

# CTESTAR™ Course Curriculum Cross-Walk

Pathway

**Business, Management, Marketing and Technology**

Course

**Food Services and Culinary Arts**

Instructor

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Number

**2010-2011**

Host School

**Jackson Area Career Center**

## 6-8 Math

### 6-8 Mathematics

#### N

#### Multiply and divide fractions

- N.MR.06.01 Understand division of fractions as the inverse of multiplication, e.g., if  $4/5 \div 2/3 = \_$ , then  $2/3 \cdot \_ = 4/5$ , so  $\_ = 4/5 \cdot 3/2 = 12/10$ .
- N.FL.06.02 Given an applied situation involving dividing fractions, write a mathematical statement to represent the situation.
- N.MR.06.03 Solve for the unknown in equations such as  $1/4 \div \_ = 1$ ,  $3/4 \div \_ = 1/4$ , and  $1/2 = 1 \cdot \_$ .
- N.FL.06.04 Multiply and divide any two fractions, including mixed numbers, fluently.

#### N

#### Represent rational numbers as fractions or decimals

- N.ME.06.05 Order rational numbers and place them on the number line.
- N.ME.06.06 Represent rational numbers as fractions or terminating decimals when possible, and translate between these representations.
- N.ME.06.07 Understand that a fraction or a negative fraction is a quotient of two integers, e.g.,  $-8/3$  is  $-8$  divided by  $3$ .

#### N

#### Add and subtract integers and rational numbers

- N.MR.06.08 Understand integer subtraction as the inverse of integer addition. Understand integer division as the inverse of integer multiplication.
- N.FL.06.09 Add and multiply integers between  $-10$  and  $10$ ; subtract and divide integers using the related facts. Use the number line and chip models for addition and subtraction.
- N.FL.06.10 Add, subtract, multiply and divide positive rational numbers fluently.

#### N

#### Find equivalent ratios

- N.ME.06.11 Find equivalent ratios by scaling up or scaling down.

#### N

#### Solve decimal, percentage and rational number problems

- N.FL.06.12 Calculate part of a number given the percentage and the number.
- N.MR.06.13 Solve contextual problems involving percentages such as sales taxes and tips.

N.FL.06.14 For applied situations, estimate the answers to calculations involving operations with rational numbers.

N.FL.06.15 Solve applied problems that use the four operations with appropriate decimal numbers.

**N Use exponents**

N.ME.06.16 Understand and use integer exponents, excluding powers of negative bases; express numbers in scientific notation.

**N Understand rational numbers and their location on the number line**

N.ME.06.17 Locate negative rational numbers (including integers) on the number line; know that numbers and their negatives add to 0, and are on opposite sides and at equal distance from 0 on a number line.

N.ME.06.18 Understand that rational numbers are quotients of integers (non zero denominators), e.g., a rational number is either a fraction or a negative fraction.

N.ME.06.19 Understand that 0 is an integer that is neither negative nor positive.

N.ME.06.20 Know that the absolute value of a number is the value of the number ignoring the sign; or is the distance of the number from 0.

**A Calculate rates**

A.PA.06.01 Solve applied problems involving rates, including speed, e.g., if a car is going 50 mph, how far will it go in 3 1/2 hours?

**A Understand the coordinate plane**

A.RP.06.02 Plot ordered pairs of integers and use ordered pairs of integers to identify points in all four quadrants of the coordinate plane.

**A Use variables, write expressions and equations, and combine like terms**

A.FO.06.03 Use letters, with units, to represent quantities in a variety of contexts, e.g., y lbs., k minutes, x cookies.

A.FO.06.04 Distinguish between an algebraic expression and an equation.

A.FO.06.05 Use standard conventions for writing algebraic expressions, e.g.,  $2x + 1$  means “two times x, plus 1” and  $2(x + 1)$  means “two times the quantity (x + 1).”

A.FO.06.06 Represent information given in words using algebraic expressions and equations.

A.FO.06.07 Simplify expressions of the first degree by combining like terms, and evaluate using specific values.

**A Represent linear functions using tables, equations, and graphs**

A.RP.06.08 Understand that relationships between quantities can be suggested by graphs and tables.

A.PA.06.09 Solve problems involving linear functions whose input values are integers; write the equation; graph the resulting ordered pairs of integers, e.g., given c chairs, the “leg function” is  $4c$ ; if you have 5 chairs, how many legs?; if you have 12 legs, how many chairs?

A.RP.06.10 Represent simple relationships between quantities using verbal descriptions, formulas or equations, tables, and graphs, e.g., perimeter-side relationship for a square, distance-time graphs, and conversions such as feet to inches.

**A Solve equations**

A.FO.06.11 Relate simple linear equations with integer coefficients, e.g.,  $3x = 8$  or  $x + 5 = 10$ , to particular contexts and solve.

A.FO.06.12 Understand that adding or subtracting the same number to both sides of an equation creates a new equation that has the same solution.

A.FO.06.13 Understand that multiplying or dividing both sides of an equation by the same non-zero number creates a new equation that has the same solutions.

A.FO.06.14 Solve equations of the form  $ax + b = c$ , e.g.,  $3x + 8 = 15$  by hand for positive integer coefficients less than 20, use calculators otherwise, and interpret the results.

**M Convert within measurement systems**

M.UN.06.01 Convert between basic units of measurement within a single measurement system, e.g., square inches to square feet.

**M Find volume and surface area**

M.PS.06.02 Draw patterns (of faces) for a cube and rectangular prism that, when cut, will cover the solid exactly (nets).

M.TE.06.03 Compute the volume and surface area of cubes and rectangular prisms given the lengths of their sides, using formulas.

**G Understand and apply basic properties**

G.GS.06.01 Understand and apply basic properties of lines, angles, and triangles, including: • triangle inequality • relationships of vertical angles, complementary angles, supplementary angles • congruence of corresponding and alternate interior angles when parallel lines are cut by a transversal, and that such congruencies imply parallel lines • locate interior and exterior angles of any triangle, and use the property that an exterior angle of a triangle is equal to the sum of the remote (opposite) interior angles • know that the sum of the exterior angles of a convex polygon is  $360^\circ$ .

**G Understand the concept of congruence and basic transformations**

G.GS.06.02 Understand that for polygons, congruence means corresponding sides and angles have equal measures.

G.TR.06.03 Understand the basic rigid motions in the plane (reflections, rotations, translations), relate these to congruence, and apply them to solve problems.

G.TR.06.04 Understand and use simple compositions of basic rigid transformations, e.g., a translation followed by a reflection.

**G Construct geometric shapes**

G.SR.06.05 Use paper folding to perform basic geometric constructions of perpendicular lines, midpoints of line segments and angle bisectors; justify informally.

**D Understand the concept of probability and solve problems**

D.PR.06.01 Express probabilities as fractions, decimals, or percentages between 0 and 1; know that 0 probability means an event will not occur and that probability 1 means an event will occur.

D.PR.06.02 Compute probabilities of events from simple experiments with equally likely outcomes, e.g., tossing dice, flipping coins, spinning spinners, by listing all possibilities and finding the fraction that meets given conditions.

**N Understand derived quantities**

N.MR.07.02 Solve problems involving derived quantities such as density, velocity, and weighted averages.

**N Understand and solve problems involving rates, ratios, and proportions**

N.FL.07.03 Calculate rates of change including speed.

N.MR.07.04 Convert ratio quantities between different systems of units, such as feet per second to miles per hour.

09.01.04 Read & comprehend recipes, operational manuals, inventory control sheets, menus, correspondence, training manuals, etc.

N.FL.07.05 Solve proportion problems using such methods as unit rate, scaling, finding equivalent fractions, and solving the proportion equation  $a/b = c/d$ ; know how to see patterns about proportional situations in tables.

25.01.02 Problems include making conversions between the metric system and non-English systems of measurement, mixed units (such as hours and minutes), and can require several steps to finding a solution.

**N Recognize irrational numbers**

N.MR.07.06 Understand the concept of square root and cube root, and estimate using calculators.

**N Compute with rational numbers**

N.FL.07.07 Solve problems involving operations with integers.

09.01.04 Read & comprehend recipes, operational manuals, inventory control sheets, menus, correspondence, training manuals, etc.

12.01.03 Determine the values of inventory or stock.

12.03.01 Demonstrate awareness of operational needs.

12.03.02 Demonstrate awareness of capabilities and limitations of the operation.

16.01.01 Read and comprehend work related materials.

16.01.02 Read and follow instructions to perform a task.

16.01.03 Perform basic mathematical functions including use of decimals, fractions, percentages, formulas and methods of measurements.

16.01.04 Perform basic accounting procedures.

16.01.05 Perform written tasks including filling out forms and writing reports.

18.02.01 Manage time effectively.

18.02.02 Prioritize tasks.

18.02.03 Demonstrate flexibility.

18.02.04 Handle ambiguous situations.

25.01.02 Problems include making conversions between the metric system and non-English systems of measurement, mixed units (such as hours and minutes), and can require several steps to finding a solution.

**27.01 Gather, interpret, analyze, and refine data.**

N.FL.07.08 Add, subtract, multiply, and divide positive and negative rational numbers fluently.

	09.01.04	Read & comprehend recipes, operational manuals, inventory control sheets, menus, correspondence, training manuals, etc.
	12.01.03	Determine the values of inventory or stock.
	12.03.01	Demonstrate awareness of operational needs.
	12.03.02	Demonstrate awareness of capabilities and limitations of the operation.
	16.01.01	Read and comprehend work related materials.
	16.01.02	Read and follow instructions to perform a task.
	16.01.03	Perform basic mathematical functions including use of decimals, fractions, percentages, formulas and methods of measurements.
	16.01.04	Perform basic accounting procedures.
	16.01.05	Perform written tasks including filling out forms and writing reports.
	25.01.02	Problems include making conversions between the metric system and non-English systems of measurement, mixed units (such as hours and minutes), and can require serveral steps to finding a solution.
	<b>27.01</b>	<b>Gather, interpret, analyze, and refine data.</b>
N.FL.07.09		Estimate results of computations with rational numbers.
	01.13.01	Analyze the relationship between cost and sales to determine food cost percentage
	09.01.04	Read & comprehend recipes, operational manuals, inventory control sheets, menus, correspondence, training manuals, etc.
	12.01.03	Determine the values of inventory or stock.
	12.03.01	Demonstrate awareness of operational needs.
	12.03.02	Demonstrate awareness of capabilities and limitations of the operation.
	16.01.01	Read and comprehend work related materials.
	16.01.02	Read and follow instructions to perform a task.
	16.01.03	Perform basic mathematical functions including use of decimals, fractions, percentages, formulas and methods of measurements.
	16.01.04	Perform basic accounting procedures.
	16.01.05	Perform written tasks including filling out forms and writing reports.
	25.01.02	Problems include making conversions between the metric system and non-English systems of measurement, mixed units (such as hours and minutes), and can require serveral steps to finding a solution.
	<b>27.01</b>	<b>Gather, interpret, analyze, and refine data.</b>
	<b>28.01</b>	<b>Apply a problem solving model to a workplace situation that involves setting goals, implementing and evaluating results.</b>

**A Understand and apply directly proportional relationships and relate to linear relationships**

A.PA.07.01	Recognize when information given in a table, graph, or formula suggests a directly proportional or linear relationship.
	01.13.01 Analyze the relationship between cost and sales to determine food cost percentage
A.RP.07.02	Represent directly proportional and linear relationships using verbal descriptions, tables, graphs, and formulas, and translate among these representations.
A.PA.07.03	Given a directly proportional or other linear situation, graph and interpret the slope and intercept(s) in terms of the original situation; evaluate $y = mx + b$ for specific x values, e.g., weight vs. volume of water, base cost plus cost per unit.
A.PA.07.04	For directly proportional or linear situations, solve applied problems using graphs and equations, e.g., the heights and volume of a container with uniform cross-section; height of water in a tank being filled at a constant rate; degrees Celsius and degrees Fahrenheit; distance and time under constant speed.

A.PA.07.05 Recognize and use directly proportional relationships of the form  $y = mx$ , and distinguish from linear relationships of the form  $y = mx + b$ ,  $b$  non-zero; understand that in a directly proportional relationship between two quantities one quantity is a constant multiple of the other quantity.

**A Understand and represent linear functions**

A.PA.07.06 Calculate the slope from the graph of a linear function as the ratio of “rise/run” for a pair of points on the graph, and express the answer as a fraction and a decimal; understand that linear functions have slope that is a constant rate of change.

A.PA.07.07 Represent linear functions in the form  $y = x + b$ ,  $y = mx$ , and  $y = mx + b$ , and graph, interpreting slope and y-intercept.

A.FO.07.08 Find and interpret the x and/or y intercepts of a linear equation or function. Know that the solution to a linear equation of the form  $ax + b = 0$  corresponds to the point at which the graph of  $y = ax + b$  crosses the x axis.

**A Understand and solve problems about inversely proportional relationships**

A.PA.07.09 Recognize inversely proportional relationships in contextual situations; know that quantities are inversely proportional if their product is constant, e.g., the length and width of a rectangle with fixed area, and that an inversely proportional relationship is of the form  $y = k/x$  where  $k$  is some non-zero number.

A.RP.07.10 Know that the graph of  $y = k/x$  is not a line, know its shape, and know that it crosses neither the x nor the y-axis.

**A Apply basic properties of real numbers in algebraic contexts**

A.PA.07.11 Understand and use basic properties of real numbers: additive and multiplicative identities, additive and multiplicative inverses, commutativity, associativity, and the distributive property of multiplication over addition.

**A Combine algebraic expressions and solve equations**

A.FO.07.12 Add, subtract, and multiply simple algebraic expressions of the first degree, e.g.,  $(92x + 8y) - 5x + y$ , or  $x(x+2)$  and justify using properties of real numbers.

A.FO.07.13 From applied situations, generate and solve linear equations of the form  $ax + b = c$  and  $ax + b = cx + d$ , and interpret solutions.

**G Draw and construct geometric objects**

G.SR.07.01 Use a ruler and other tools to draw squares, rectangles, triangles, and parallelograms with specified dimensions.

G.SR.07.02 Use compass and straightedge to perform basic geometric constructions: the perpendicular bisector of a segment, an equilateral triangle, and the bisector of an angle; understand informal justifications.

**G Understand the concept of similar polygons, and solve related problems**

G.TR.07.03 Understand that in similar polygons, corresponding angles are congruent and the ratios of corresponding sides are equal; understand the concepts of similar figures and scale factor.

G.TR.07.04 Solve problems about similar figures and scale drawings.

G.TR.07.05 Show that two triangles are similar using the criteria: corresponding angles are congruent (AAA similarity); the ratios of two pairs of corresponding sides are equal and the included angles are congruent (SAS similarity); ratios of all pairs of corresponding sides are equal (SSS similarity); use these criteria to solve problems and to justify arguments.

G.TR.07.06 Understand and use the fact that when two triangles are similar with scale factor of  $r$ , their areas are related by a factor of  $r^2$ .

**D Represent and interpret data**

D.RE.07.01 Represent and interpret data using circle graphs, stem and leaf plots, histograms, and box-and-whisker plots, and select appropriate representation to address specific questions.

D.AN.07.02 Create and interpret scatter plots and find line of best fit; use an estimated line of best fit to answer questions about the data.

**D Compute statistics about data sets**

D.AN.07.03 Calculate and interpret relative frequencies and cumulative frequencies for given data sets.

D.AN.07.04 Find and interpret the median, quartiles, and interquartile range of a given set of data.

**N Understand real number concepts**

N.ME.08.01 Understand the meaning of a square root of a number and its connection to the square whose area is the number; understand the meaning of a cube root and its connection to the volume of a cube.

N.ME.08.02 Understand meanings for zero and negative integer exponents.

N.ME.08.03 Understand that in decimal form, rational numbers either terminate or eventually repeat, and that calculators truncate or round repeating decimals; locate rational numbers on the number line; know fraction forms of common repeating decimals, e.g.,  $0.11111\ldots = 1/9$  ;  $0.33333\ldots = 1/3$  .

N.ME.08.04 Understand that irrational numbers are those that cannot be expressed as the quotient of two integers, and cannot be represented by terminating or repeating decimals; approximate the position of familiar irrational numbers, e.g.,  $\sqrt{2}$ ,  $\sqrt{3}$ ,  $\pi$ , on the number line.

N.FL.08.05 Estimate and solve problems with square roots and cube roots using calculators.

N.FL.08.06 Find square roots of perfect squares and approximate the square roots of non-perfect squares by locating between consecutive integers, e.g.,  $\sqrt{130}$  is between 11 and 12.

**N Solve problems**

N.MR.08.07 Understand percent increase and percent decrease in both sum and product form, e.g., 3% increase of a quantity  $x$  is  $x + .03x = 1.03x$ .  
 12.01.03 Determine the values of inventory or stock.

N.MR.08.08 Solve problems involving percent increases and decreases.  
 12.01.03 Determine the values of inventory or stock.

16.01.01 Read and comprehend work related materials.

16.01.02 Read and follow instructions to perform a task.

16.01.03 Perform basic mathematical functions including use of decimals, fractions, percentages, formulas and methods of measurements.

16.01.04 Perform basic accounting procedures.

16.01.05 Perform written tasks including filling out forms and writing reports.

25.01.02 Problems include making conversions between the metric system and non-English systems of measurement, mixed units (such as hours and minutes), and can require several steps to finding a solution.

N.FL.08.09 Solve problems involving compounded interest or multiple discounts.

N.MR.08.10 Calculate weighted averages such as course grades, consumer price indices, and sports ratings.

N.FL.08.11 Solve problems involving ratio units, such as miles per hour, dollars per pound, or persons per square mile.

**A Understand the concept of non-linear functions using basic examples**

A.RP.08.01 Identify and represent linear functions, quadratic functions, and other simple functions including inversely proportional relationships ( $y = k/x$ ); cubics ( $y = ax^3$ ); roots ( $y = \sqrt{x}$ ); and exponentials ( $y = a^x$ ,  $a > 0$ ); using tables, graphs, and equations.

A.PA.08.02 For basic functions, e.g., simple quadratics, direct and indirect variation, and population growth, describe how changes in one variable affect the others.

A.PA.08.03 Recognize basic functions in problem context, e.g., area of a circle is  $\pi r^2$ , volume of a sphere is  $\frac{4}{3} \pi r^3$ , and represent them using tables, graphs, and formulas.

A.RP.08.04 Use the vertical line test to determine if a graph represents a function in one variable.

**A Understand and represent quadratic functions**

A.RP.08.05 Relate quadratic functions in factored form and vertex form to their graphs, and vice versa; in particular, note that solutions of a quadratic equation are the x-intercepts of the corresponding quadratic function.

A.RP.08.06 Graph factorable quadratic functions, finding where the graph intersects the x-axis and the coordinates of the vertex; use words “parabola” and “roots”; include functions in vertex form and those with leading coefficient  $-1$ , e.g.,  $y = x^2 - 36$ ,  $y = (x - 2)^2 - 9$ ;  $y = -x^2$ ;  $y = -(x - 3)^2$ .

**A Recognize, represent, and apply common formulas**

A.FO.08.07 Recognize and apply the common formulas:  $(a + b)^2 = a^2 + 2ab + b^2$ ;  $(a - b)^2 = a^2 - 2ab + b^2$ ;  $(a + b)(a - b) = a^2 - b^2$ ; represent geometrically.

A.FO.08.08 Factor simple quadratic expressions with integer coefficients, e.g.,  $x^2 + 6x + 9$ ,  $x^2 + 2x - 3$ , and  $x^2 - 4$ ; solve simple quadratic equations, e.g.,  $x^2 = 16$  or  $x^2 = 5$  (by taking square roots);  $x^2 - x - 6 = 0$ ,  $x^2 - 2x = 15$  (by factoring); verify solutions by evaluation.

A.FO.08.09 Solve applied problems involving simple quadratic equations.

**A Understand solutions and solve equations, simultaneous equations, and linear inequalities**

A.FO.08.10 Understand that to solve the equation  $f(x) = g(x)$  means to find all values of  $x$  for which the equation is true, e.g., determine whether a given value, or values from a given set, is a solution of an equation ( $0$  is a solution of  $3x^2 + 2 = 4x + 2$ , but  $1$  is not a solution).

A.FO.08.11 Solve simultaneous linear equations in two variables by graphing, by substitution, and by linear combination; estimate solutions using graphs; include examples with no solutions and infinitely many solutions.



	12.01.03 Determine the values of inventory or stock.
	16.01.01 Read and comprehend work related materials.
	16.01.02 Read and follow instructions to perform a task.
	16.01.03 Perform basic mathematical functions including use of decimals, fractions, percentages, formulas and methods of measurements.
	16.01.04 Perform basic accounting procedures.
	16.01.05 Perform written tasks including filling out forms and writing reports.
A.FO.08.12	Solve linear inequalities in one and two variables, and graph the solution sets.
A.FO.08.13	Set up and solve applied problems involving simultaneous linear equations and linear inequalities.
<b>G</b>	<b>Understand and use the Pythagorean Theorem</b>
G.GS.08.01	Understand at least one proof of the Pythagorean Theorem; use the Pythagorean Theorem and its converse to solve applied problems including perimeter, area, and volume problems.
G.LO.08.02	Find the distance between two points on the coordinate plane using the distance formula; recognize that the distance formula is an application of the Pythagorean Theorem.
<b>G</b>	<b>Solve problems about geometric figures</b>
G.SR.08.03	Understand the definition of a circle; know and use the formulas for circumference and area of a circle to solve problems.
G.SR.08.04	Find area and perimeter of complex figures by sub-dividing them into basic shapes (quadrilaterals, triangles, circles).
G.SR.08.05	Solve applied problems involving areas of triangles, quadrilaterals, and circles.
<b>G</b>	<b>Understand concepts of volume and surface area, and apply formulas</b>
G.SR.08.06	Know the volume formulas for generalized cylinders ((area of base) x height), generalized cones and pyramids ( $\frac{1}{3}$ (area of base) x height), and spheres ( $\frac{4}{3} \pi$ (radius) <sup>3</sup> ) and apply them to solve problems.
G.SR.08.07	Understand the concept of surface area, and find the surface area of prisms, cones, spheres, pyramids, and cylinders.
<b>G</b>	<b>Visualize solids</b>
G.SR.08.08	Sketch a variety of two-dimensional representations of three-dimensional solids including orthogonal views (top, front, and side), picture views (projective or isometric), and nets; use such two-dimensional representations to help solve problems.
<b>G</b>	<b>Understand and apply concepts of transformation and symmetry</b>
G.TR.08.09	Understand the definition of a dilation from a point in the plane, and relate it to the definition of similar polygons.
G.TR.08.10	Understand and use reflective and rotational symmetries of two-dimensional shapes and relate them to transformations to solve problems.
<b>D</b>	<b>Draw, explain, and justify conclusions based on data</b>
D.AN.08.01	Determine which measure of central tendency (mean, median, mode) best represents a data set, e.g., salaries, home prices, for answering certain questions; justify the choice made.

D.AN.08.02 Recognize practices of collecting and displaying data that may bias the presentation or analysis.

**27.01 Gather, interpret, analyze, and refine data.**

**D Understand probability concepts for simple and compound events**

D.PR.08.03 Compute relative frequencies from a table of experimental results for a repeated event. Interpret the results using relationship of probability to relative frequency.

D.PR.08.04 Apply the Basic Counting Principle to find total number of outcomes possible for independent and dependent events, and calculate the probabilities using organized lists or tree diagrams.

D.PR.08.05 Find and/or compare the theoretical probability, the experimental probability, and/or the relative frequency of a given event.

D.PR.08.06 Understand the difference between independent and dependent events, and recognize common misconceptions involving probability, e.g., Alice rolls a 6 on a die three times in a row; she is just as likely to roll a 6 on the fourth roll as she was on any previous roll.

**Alg1**

**Alg1.L**

**Algebra I**

**Alg1.1.L1.1 Number Systems and Number Sense**

Alg1.1.L1.1.1 Know the different properties that hold in different number systems and recognize that the applicable properties change in the transition from the positive integers to all integers, to the rational numbers, and to the real numbers.

Alg1.1.L1.1.2 Explain why the multiplicative inverse of a number has the same sign as the number, while the additive inverse of a number has the opposite sign.

Alg1.1.L1.1.3 Explain how the properties of associativity, commutativity, and distributivity, as well as identity and inverse elements, are used in arithmetic and algebraic calculations.

Alg1.1.L1.1.4 Describe the reasons for the different effects of multiplication by, or exponentiation of, a positive number by a number less than 0, a number between 0 and 1, and a number greater than 1.

Alg1.1.L1.1.5 Justify numerical relationships.

**Alg1.1.L1.2 Representations and Relationships**

Alg1.1.L1.2.2 Interpret representations that reflect absolute value relationships.

Alg1.1.L1.2.4 Organize and summarize a data set in a table, plot, chart, or spreadsheet; find patterns in a display of data; understand and critique data displays in the media.

09.02.01 Identify ethnicities and their dining habits and rules.

09.02.02 Identify countries and their native food resources.

12.02.01 Develop promotional materials.

12.02.02 Create methods to market materials.

17.11.01 Compile facts and arrange in organized manner for a table, chart or figure.

17.11.02 Document sources of data.

17.11.03 Determine most appropriate way to display data for effective coherence.

17.11.04 Prepare table, chart, graph or figure for inclusion in publication or presentation.  
 30.01.02 Read time charts and work schedules and perform tasks within time constraints of school or the workplace.

**Alg1.1.L2.1 Calculation Using Real and Complex Numbers**

Alg1.1.L2.1.1 Explain the meaning and uses of weighted averages.

Alg1.1.L2.1.2 Calculate fluently with numerical expressions involving exponents; use the rules of exponents; evaluate numerical expressions involving rational and negative exponents; transition easily between roots and exponents.

Alg1.1.L2.1.4 Know that the imaginary number  $i$  is one of two solutions to  $x^2 = -1$ .

**Alg1.2.A1.1 Construction, Interpretation, and Manipulation of Expressions**

Alg1.2.A1.1.1 Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.

Alg1.2.A1.1.2 Know the properties of exponents and roots and apply them in algebraic expressions.

Alg1.2.A1.1.3 Factor algebraic expressions using, for example, greatest common factor, grouping, and the special product identities.

**Alg1.2.A1.2 Solutions of Equations and Inequalities**

Alg1.2.A1.2.1 Write equations and inequalities with one or two variables to represent mathematical or applied situations, and solve.

Alg1.2.A1.2.2 Associate a given equation with a function whose zeros are the solutions of the equation.

Alg1.2.A1.2.3 Solve linear and quadratic equations and inequalities including systems of up to three linear equations with three unknowns. Justify steps in the solution, and apply the quadratic formula appropriately.

Alg1.2.A1.2.4 Solve absolute value equations and inequalities and justify steps in the solution.

Alg1.2.A1.2.6 Solve power equations and equations including radical expressions; justify steps in the solution, and explain how extraneous solutions may arise.

Alg1.2.A1.2.8 Solve an equation involving several variables (with numerical or letter coefficients) for a designated variable. Justify steps in the solution.

**Alg1.2.A2.1 Definitions, Representations, and Attributes of Functions**

Alg1.2.A2.1.1 Determine whether a relationship (given in contextual, symbolic, tabular, or graphical form) is a function and identify its domain and range.

Alg1.2.A2.1.2 Read, interpret, and use function notation and evaluate a function at a value in its domain.

Alg1.2.A2.1.3 Represent functions in symbols, graphs, tables, diagrams, or words and translate among representations.

Alg1.2.A2.1.4 Recognize that functions may be defined by different expressions over different intervals of their domains; such functions are piecewise-defined.

Alg1.2.A2.1.5 Recognize that functions may be defined recursively. Compute values of and graph simple recursively defined functions.

Alg1.2.A2.1.6 Identify the zeros of a function, the intervals where the values of a function are positive or negative, and describe the behavior of a function as  $x$  approaches positive or negative infinity, given the symbolic and graphical representations.

Alg1.2.A2.1.7 Identify and interpret the key features of a function from its graph or its formula(s).

**Alg1.2.A2.2 Operations and Transformations with Functions**

Alg1.2.A2.2.1 Combine functions by addition, subtraction, multiplication, and division.

Alg1.2.A2.2.2 Apply given transformations to parent functions and represent symbolically.

Alg1.2.A2.2.3 Determine whether a function (given in tabular or graphical form) has an inverse and recognize simple inverse pairs.

**Alg1.2.A2.3 Representations of Functions**

Alg1.2.A2.3.1 Identify a function as a member of a family of functions based on its symbolic or graphical representation; recognize that different families of functions have different asymptotic behavior.

Alg1.2.A2.3.2 Describe the tabular pattern associated with functions having a constant rate of change (linear); or variable rates of change.

Alg1.2.A2.3.3 Write the general symbolic forms that characterize each family of functions.

**Alg1.2.A2.4 Models of Real-World Situations Using Families of Functions**

Alg1.2.A2.4.1 Identify the family of function best suited for modeling a given real-world situation.

Alg1.2.A2.4.2 Adapt the general symbolic form of a function to one that fits the specifications of a given situation by using the information to replace arbitrary constants with numbers.

Alg1.2.A2.4.3 Using the adapted general symbolic form, draw reasonable conclusions about the situation being modeled.

**Alg1.2.A3.1 Lines and Linear Functions**

Alg1.2.A3.1.1 Write the symbolic forms of linear functions (standard, point-slope, and slope-intercept) given appropriate information and convert between forms.

Alg1.2.A3.1.2 Graph lines (including those of the form  $x = h$  and  $y = k$ ) given appropriate information.

Alg1.2.A3.1.3 Relate the coefficients in a linear function to the slope and  $x$ - and  $y$ - intercepts of its graph.

Alg1.2.A3.1.4 Find an equation of the line parallel or perpendicular to given line, through a given point; understand and use the facts that non-vertical parallel lines have equal slopes, and that non-vertical perpendicular lines have slopes that multiply to give  $-1$ .

**Alg1.2.A3.2 Exponential and Logarithmic Functions**

Alg1.2.A3.2.1 Write the symbolic form and sketch the graph of an exponential function given appropriate information.

Alg1.2.A3.2.4 Understand and use the fact that the base of an exponential function determines whether the function increases or decreases and how base affects the rate of growth or decay.

Alg1.2.A3.2.5 Relate exponential functions to real phenomena, including half-life and doubling time.

**Alg1.2.A3.3      Quadratic Functions**

- Alg1.2.A3.3.1      Write the symbolic form and sketch the graph of a quadratic function given appropriate information.
- Alg1.2.A3.3.2      Identify the elements of a parabola (vertex, axis of symmetry, direction of opening) given its symbolic form or its graph, and relate these elements to the coefficient(s) of the symbolic form of the function.
- Alg1.2.A3.3.3      Convert quadratic functions from standard to vertex form by completing the square.
- Alg1.2.A3.3.4      Relate the number of real solutions of a quadratic equation to the graph of the associated quadratic function.
- Alg1.2.A3.3.5      Express quadratic functions in vertex form to identify their maxima or minima and in factored form to identify their zeros.

**Alg1.2.A3.4      Power Functions**

- Alg1.2.A3.4.1      Write the symbolic form and sketch the graph of power functions.
- Alg1.2.A3.4.2      Express directly and inversely proportional relationships as functions and recognize their characteristics.
- Alg1.2.A3.4.3      Analyze the graphs of power functions, noting reflectional or rotational symmetry.

**Alg1.2.A3.5      Polynomial Functions**

- Alg1.2.A3.5.1      Write the symbolic form and sketch the graph of simple polynomial functions.
- Alg1.2.A3.5.2      Understand the effects of degree, leading coefficient, and number of real zeros on the graphs of polynomial functions of degree greater than 2.
- Alg1.2.A3.5.3      Determine the maximum possible number of zeroes of a polynomial function and understand the relationship between the x-intercepts of the graph and the factored form of the function.

**Alg1.4.S2.1      Scatterplots and Correlation**

- Alg1.4.S2.1.1      Construct a scatterplot for a bivariate data set with appropriate labels and scales.
- Alg1.4.S2.1.2      Given a scatterplot, identify patterns, clusters, and outliers. Recognize no correlation, weak correlation, and strong correlation.
- Alg1.4.S2.1.3      Estimate and interpret Pearson's correlation coefficient for a scatterplot of a bivariate data set. Recognize that correlation measures the strength of linear association.
- Alg1.4.S2.1.4      Differentiate between correlation and causation. Know that a strong correlation does not imply a cause-and-effect relationship. Recognize the role of lurking variables in correlation.

**Alg1.4.S2.2      Linear Regression**

- Alg1.4.S2.2.1      For bivariate data that appear to form a linear pattern, find the least squares regression line by estimating visually and by calculating the equation of the regression line. Interpret the slope of the equation for a regression line.
- Alg1.4.S2.2.2      Use the equation of the least squares regression line to make appropriate predictions.

## **Alg2**

### **Alg2.L**

### **Algebra II**

#### **Alg2.1.L1.2 Representations and Relationships**

Alg2.1.L1.2.1 Use mathematical symbols to represent quantitative relationships and situations.

#### **Alg2.1.L1.3 Counting and Probabilistic Reasoning**

Alg2.1.L1.3.1 Describe, explain, and apply various counting techniques; relate combinations to Pascal's triangle; know when to use each technique.

Alg2.1.L1.3.2 Define and interpret commonly used expressions of probability.

Alg2.1.L1.3.3 Recognize and explain common probability misconceptions such as "hot streaks" and "being due."

#### **Alg2.1.L2.1 Calculation Using Real and Complex Numbers**

Alg2.1.L2.1.3 Explain the exponential relationship between a number and its base 10 logarithm, and use it to relate rules of logarithms to those of exponents in expressions involving numbers.

Alg2.1.L2.1.5 Add, subtract, and multiply complex numbers; use conjugates to simplify quotients of complex numbers.

#### **Alg2.1.L2.2 Sequences and Iteration**

Alg2.1.L2.2.1 Find the nth term in arithmetic, geometric, or other simple sequences.

Alg2.1.L2.2.2 Compute sums of finite arithmetic and geometric sequences.

Alg2.1.L2.2.3 Use iterative processes in such examples as computing compound interest or applying approximation procedures.

#### **Alg2.1.L2.3 Measurement Units, Calculations, and Scales**

Alg2.1.L2.3.2 Describe and interpret logarithmic relationships in such contexts as the Richter scale, the pH scale, or decibel measurements; solve applied problems.

#### **Alg2.1.L2.4 Understanding Error**

Alg2.1.L2.4.1 Determine what degree of accuracy is reasonable for measurements in a given situation; express accuracy through use of significant digits, error tolerance, or percent of error; describe how errors in measurements are magnified by computation; recognize accumulated error in applied situations.

Alg2.1.L2.4.2 Describe and explain round-off error, rounding, and truncating.

Alg2.1.L2.4.3 Know the meaning of and interpret statistical significance, margin of error, and confidence level.

#### **Alg2.2.A1.1 Construction, Interpretation, and Manipulation of Expressions**

Alg2.2.A1.1.1 Give a verbal description of an expression that is presented in symbolic form, write an algebraic expression from a verbal description, and evaluate expressions given values of the variables.

Alg2.2.A1.1.4	Add, subtract, multiply, and simplify polynomials and rational expressions.
Alg2.2.A1.1.5	Divide a polynomial by a monomial.
Alg2.2.A1.1.6	Transform exponential and logarithmic expressions into equivalent forms using the properties of exponents and logarithms, including the inverse relationship between exponents and logarithms.
<b>Alg2.2.A1.2</b>	<b>Solutions of Equations and Inequalities</b>
Alg2.2.A1.2.2	Associate a given equation with a function whose zeros are the solutions of the equation.
Alg2.2.A1.2.5	Solve polynomial equations and equations involving rational expressions and justify steps in the solution.
Alg2.2.A1.2.7	Solve exponential and logarithmic equations and justify steps in the solution.
Alg2.2.A1.2.8	Solve an equation involving several variables (with numerical or letter coefficients) for a designated variable, and justify steps in the solution.
Alg2.2.A1.2.9	Know common formulas and apply appropriately in contextual situations.
	16.01.01 Read and comprehend work related materials.
	16.01.02 Read and follow instructions to perform a task.
	16.01.03 Perform basic mathematical functions including use of decimals, fractions, percentages, formulas and methods of measurements.
	16.01.04 Perform basic accounting procedures.
	16.01.05 Perform written tasks including filling out forms and writing reports.
	25.01.02 Problems include making conversions between the metric system and non-English systems of measurement, mixed units (such as hours and minutes), and can require several steps to finding a solution.
	<b>27.01 Gather, interpret, analyze, and refine data.</b>
Alg2.2.A1.2.10	Use special values of the inverse trigonometric functions to solve trigonometric equations over specific intervals.
<b>Alg2.2.A2.1</b>	<b>Definitions, Representations, and Attributes of Functions</b>
Alg2.2.A2.1.1	Determine whether a relationship (given in contextual, symbolic, tabular, or graphical form) is a function, and identify its domain and range.
Alg2.2.A2.1.2	Read, interpret, and use function notation, and evaluate a function at a value in its domain.
Alg2.2.A2.1.3	Represent functions in symbols, graphs, tables, diagrams, or words, and translate among representations.
Alg2.2.A2.1.6	Identify the zeros of a function, the intervals where the values of a function are positive or negative, and describe the behavior of a function as $x$ approaches positive or negative infinity, given the symbolic and graphical representations.
Alg2.2.A2.1.7	Identify and interpret the key features of a function from its graph or its formula(s).
<b>Alg2.2.A2.2</b>	<b>Operations and Transformations with Functions</b>
Alg2.2.A2.2.1	Combine functions by addition, subtraction, multiplication, and division.
Alg2.2.A2.2.2	Apply given transformations to parent functions, and represent symbolically.

Alg2.2.A2.2.3 Recognize whether a function (given in tabular or graphical form) has an inverse, and recognize simple inverse pairs.

**Alg2.2.A2.3 Representations of Functions**

Alg2.2.A2.3.1 Identify a function as a member of a family of functions based on its symbolic or graphical representation; recognize that different families of functions have different asymptotic behavior.

Alg2.2.A2.3.3 Write the general symbolic forms that characterize each family of functions.

**Alg2.2.A2.4 Models of Real-World Situations Using Families of Functions**

Alg2.2.A2.4.1 Identify the family of functions best suited for modeling a given real-world situation.

Alg2.2.A2.4.2 Adapt the general symbolic form of a function to one that fits the specifications of a given situation by using the information to replace arbitrary constants with numbers.

Alg2.2.A2.4.3 Using the adapted general symbolic form, draw reasonable conclusions about the situation being modeled.

**Alg2.2.A3.2 Exponential and Logarithmic Functions**

Alg2.2.A3.2.2 Interpret the symbolic forms and recognize the graphs of exponential and logarithmic functions.

Alg2.2.A3.2.3 Apply properties of exponential and logarithmic functions.

**Alg2.2.A3.6 Rational Functions**

Alg2.2.A3.6.1 Write the symbolic form and sketch the graph of simple rational functions.

Alg2.2.A3.6.2 Analyze graphs of simple rational functions and understand the relationship between the zeros of the numerator and denominator, and the function's intercepts, asymptotes, and domain.

**Alg2.2.A3.7 Trigonometric Functions**

Alg2.2.A3.7.1 Use the unit circle to define sine and cosine; approximate values of sine and cosine; use sine and cosine to define the remaining trigonometric functions; explain why the trigonometric functions are periodic.

Alg2.2.A3.7.2 Use the relationship between degree and radian measures to solve problems.

Alg2.2.A3.7.3 Use the unit circle to determine the exact values of sine and cosine, for integer multiples of  $\pi/6$  and  $\pi/4$ .

Alg2.2.A3.7.4 Graph the sine and cosine functions; analyze graphs by noting domain, range, period, amplitude, and location of maxima and minima.

Alg2.2.A3.7.5 Graph transformations of basic trigonometric functions (involving changes in period, amplitude, phase, and midline) and understand the relationship between constants in the formula and the transformed graph.

**Alg2.2.1.7 Conic Sections and Their Properties**

Alg2.3.G.1.7.1 Find an equation of a circle given its center and radius; given the equation of a circle, find its center and radius.



Alg2.3.G1.7.2 Identify and distinguish among geometric representations of parabolas, circles, ellipses, and hyperbolas; describe their symmetries, and explain how they are related to cones.

Alg2.3.G1.7.3 Graph ellipses and hyperbolas with axes parallel to the x- and y-axes, given equations.

**Alg2.3.S1.1 Producing and Interpreting Plots**

Alg2.4.S1.1.1 Construct and interpret dot plots, histograms, relative frequency histograms, bar graphs, basic control charts, and box plots with appropriate labels and scales; determine which kinds of plots are appropriate for different types of data; compare data sets and interpret differences based on graphs and summary statistics.

Alg2.4.S1.1.2 Given a distribution of a variable in a data set, describe its shape, including symmetry or skewness, and state how the shape is related to measures of center (mean and median) and measures of variation (range and standard deviation) with particular attention to the effects of outliers on these measures.

**Alg2.4.S1.2 Measures of Center and Variation**

Alg2.4.S1.2.1 Calculate and interpret measures of center including: mean, median, and mode; explain uses, advantages and disadvantages of each measure given a particular set of data and its context.

Alg2.4.S1.2.2 Estimate the position of the mean, median, and mode in both symmetrical and skewed distributions, and from a frequency distribution or histogram.

Alg2.4.S1.2.3 Compute and interpret measures of variation, including percentiles, quartiles, interquartile range, variance, and standard deviation.

**Alg2.4.S1.3 The Normal Distribution**

Alg2.4.S1.3.1 Explain the concept of distribution and the relationship between summary statistics for a data set and parameters of a distribution.

Alg2.4.S1.3.2 Describe characteristics of the normal distribution, including its shape and the relationships among its mean, median, and mode.

Alg2.4.S1.3.3 Know and use the fact that about 68%, 95%, and 99.7% of the data lie within one, two, and three standard deviations of the mean, respectively in a normal distribution.

Alg2.4.S1.3.4 Calculate z-scores, use z-scores to recognize outliers, and use z-scores to make informed decisions.

**Alg2.4.S3.1 Data Collection and Analysis**

Alg2.4.S3.1.1 Know the meanings of a sample from a population and a census of a population, and distinguish between sample statistics and population parameters.

Alg2.4.S3.1.2 Identify possible sources of bias in data collection, sampling methods and simple experiments; describe how such bias can be reduced and controlled by random sampling; explain the impact of such bias on conclusions made from analysis of the data; and know the effect of replication on the precision of estimates.

Alg2.4.S3.1.3 Distinguish between an observational study and an experimental study, and identify, in context, the conclusions that can be drawn from each.

**Alg2.4.S4.1 Probability**

Alg2.4.S4.1.1 Understand and construct sample spaces in simple situations

Alg2.4.S4.1.2 Define mutually exclusive events, independent events, dependent events, compound events, complementary events, and conditional probabilities; and use the definitions to compute probabilities.

**Alg2.4.S4.2 Application and Representation**

Alg2.4.S4.2.1 Compute probabilities of events using tree diagrams, formulas for combinations and permutations, Venn diagrams, or other counting techniques.

Alg2.4.S4.2.2 Apply probability concepts to practical situations, in such settings as finance, health, ecology, or epidemiology to make informed decisions.

**CES**

**CES.MI09::I CES**

**CES.MI09::I.A.3 Read a case study and identify the details about the situation, define technical terms, jargon, or words with multiple meanings based on context, and summarize the conclusion.**

CES.MI09::I.A.3.a CES

**CES.MI09::I.B.1 Approach practical and workplace problems using a variety of mathematical techniques.**

25.01.01 Approach practical and workplace problems using a variety of mathematical techniques.

CES.MI09::I.B.1.a CES

25.01.02 Problems include making conversions between the metric system and non-English systems of measurement, mixed units (such as hours and minutes), and can require several steps to finding a solution.

**ELA**

**ELA English Language Arts**

**ELA.1.CE 1.1 Understand and practice writing as a recursive process.**

ELA.1.CE 1.1.1 Demonstrate flexibility in using independent and collaborative strategies for planning, drafting, revising, and editing complex texts.

01.01.08 Outline a plan for an effective job search

01.01.09 Given a list of effective cover letter elements, write a cover letter

01.01.11 Compile the best examples of their work into a portfolio

01.01.12 Write a resume that lists their skills and competencies

13.03.03 Bookmark websites.

16.01.01 Read and comprehend work related materials.

16.01.02 Read and follow instructions to perform a task.

16.01.03 Perform basic mathematical functions including use of decimals, fractions, percentages, formulas and methods of measurements.

16.01.04 Perform basic accounting procedures.

16.01.05 Perform written tasks including filling out forms and writing reports.

	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.1.CE 1.1.2		Know and use a variety of prewriting strategies to generate, focus, and organize ideas (e.g., free writing, clustering/mapping, talking with others, brainstorming, outlining, developing graphic organizers, taking notes, summarizing, paraphrasing).
	01.01.08	Outline a plan for an effective job search
	01.01.09	Given a list of effective cover letter elements, write a cover letter
	01.01.11	Compile the best examples of their work into a portfolio
	01.01.12	Write a resume that lists their skills and competencies
	<b>26.01</b>	<b>Organize career information and labor market trends from a variety of sources.</b>
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
	31.02.02	Summarize a problem clearly and in appropriate detail.
ELA.1.CE 1.1.3		Select and use language that is appropriate (e.g., formal, informal, literary, or technical) for the purpose, audience, and context of the text, speech, or visual representation (e.g., letter to editor, proposal, poem, or digital story).
	01.01.01	State in their own words the importance of service to success in the hospitality industry
	01.01.02	List the elements of excellent service and give examples
	01.01.03	State the difference between school and workplace environments
	01.01.04	Develop a list of workplace guidelines
	01.01.05	Identify and give examples of positive work attitudes
	01.01.06	Give examples of career opportunities in the foodservice industry
	01.01.07	Make a list of qualities of successful foodservice employees
	01.01.08	Outline a plan for an effective job search
	01.01.09	Given a list of effective cover letter elements, write a cover letter
	01.01.11	Compile the best examples of their work into a portfolio
	01.01.12	Write a resume that lists their skills and competencies
	01.01.15	List the steps to an effective job interview
	01.01.16	Explain the follow-up steps for a job interview
	01.01.17	State their interpretation of a first day on the job
	01.01.18	Outline the steps to resigning a job
	01.02.02	List the reasons and the ways to make a positive first impression in the foodservice industry
	01.02.04	Distinguish between effective and ineffective communication with customers by giving examples
	01.02.06	Outline the service planning process
	01.09.01	Explain how stereotypes and prejudices can negatively affect how people work together
	06.01.01	Detail ways to achieve high rate of positive comments.
	06.01.02	Get regular feedback from guests and staff.
	09.01.04	Read & comprehend recipes, operational manuals, inventory control sheets, menus, correspondence, training manuals, etc.
	10.01.02	Write English or required language.
	10.01.03	Exhibit pleasing appearance and hygiene.
	17.06.01	Make a request of a guest/customer without confrontation.
	17.06.02	Give directions to a frenzied, stressed, upset guest/customer without insult or conflict.

	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.1.CE 1.1.4		Compose drafts that convey an impression, express an opinion, raise a question, argue a position, explore a topic, tell a story, or serve another purpose, while simultaneously considering the constraints and possibilities (e.g., structure, language, use of conventions of grammar, usage, and mechanics) of the selected form or genre.
	01.01.09	Given a list of effective cover letter elements, write a cover letter
	01.01.11	Compile the best examples of their work into a portfolio
	01.01.12	Write a resume that lists their skills and competencies
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.1.CE 1.1.5		Revise drafts to more fully and/or precisely convey meaning—drawing on response from others, self-reflection, and reading one’s own work with the eye of a reader; then refine the text— deleting and/or reorganizing ideas, and addressing potential readers’ questions.
	01.01.09	Given a list of effective cover letter elements, write a cover letter
	01.01.11	Compile the best examples of their work into a portfolio
	01.01.12	Write a resume that lists their skills and competencies
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.1.CE 1.1.6		Reorganize sentence elements as needed and choose grammatical and stylistic options that provide sentence variety, fluency, and flow.
	01.01.09	Given a list of effective cover letter elements, write a cover letter
	01.01.11	Compile the best examples of their work into a portfolio
	01.01.12	Write a resume that lists their skills and competencies
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.1.CE 1.1.7		Edit for style, tone, and word choice (specificity, variety, accuracy, appropriateness, conciseness) and for conventions of grammar, usage and mechanics that are appropriate for audience.
	01.01.09	Given a list of effective cover letter elements, write a cover letter
	01.01.11	Compile the best examples of their work into a portfolio
	01.01.12	Write a resume that lists their skills and competencies
	06.01.01	Detail ways to achieve high rate of positive comments.
	06.01.02	Get regular feedback from guests and staff.
	09.01.04	Read & comprehend recipes, operational manuals, inventory control sheets, menus, correspondence, training manuals, etc.
	10.01.02	Write English or required language.
	10.01.03	Exhibit pleasing appearance and hygiene.
	17.06.01	Make a request of a guest/customer without confrontation.
	17.06.02	Give directions to a frenzied, stressed, upset guest/customer without insult or conflict.
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.1.CE 1.1.8		Proofread to check spelling, layout, and font; and prepare selected pieces for a public audience.

	01.01.09	Given a list of effective cover letter elements, write a cover letter
	01.01.11	Compile the best examples of their work into a portfolio
	01.01.12	Write a resume that lists their skills and competencies
	09.01.04	Read & comprehend recipes, operational manuals, inventory control sheets, menus, correspondence, training manuals, etc.
	10.01.02	Write English or required language.
	10.01.03	Exhibit pleasing appearance and hygiene.
	17.06.01	Make a request of a guest/customer without confrontation.
	17.06.02	Give directions to a frenzied, stressed, upset guest/customer without insult or conflict.
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>

**ELA.1.CE 1.2 Use writing, speaking, and visual expression for personal understanding and growth.**

ELA.1.CE 1.2.1	Write, speak, and use images and graphs to understand and discover complex ideas.	
	01.01.01	State in their own words the importance of service to success in the hospitality industry
	01.01.02	List the elements of excellent service and give examples
	01.01.03	State the difference between school and workplace environments
	01.01.04	Develop a list of workplace guidelines
	01.01.05	Identify and give examples of positive work attitudes
	01.01.06	Give examples of career opportunities in the foodservice industry
	01.01.07	Make a list of qualities of successful foodservice employees
	01.01.15	List the steps to an effective job interview
	01.01.16	Explain the follow-up steps for a job interview
	01.01.17	State their interpretation of a first day on the job
	01.01.18	Outline the steps to resigning a job
	01.02.02	List the reasons and the ways to make a positive first impression in the foodservice industry
	01.02.04	Distinguish between effective and ineffective communication with customers by giving examples
	01.02.06	Outline the service planning process
	01.09.01	Explain how stereotypes and prejudices can negatively affect how people work together
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>

ELA.1.CE 1.2.2	Write, speak, and visually represent to develop self-awareness and insight (e.g., diary, journal writing, portfolio self-assessment).	
	01.01.08	Outline a plan for an effective job search
	01.01.09	Given a list of effective cover letter elements, write a cover letter
	01.01.11	Compile the best examples of their work into a portfolio
	01.01.12	Write a resume that lists their skills and competencies
	01.01.15	List the steps to an effective job interview
	01.01.16	Explain the follow-up steps for a job interview
	01.01.18	Outline the steps to resigning a job
	01.02.02	List the reasons and the ways to make a positive first impression in the foodservice industry

	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.1.CE 1.2.3	Write, speak, and create artistic representations to express personal experience and perspective (e.g., personal narrative, poetry, imaginative writing, slam poetry, blogs, webpages).	
	01.01.08	Outline a plan for an effective job search
	01.01.09	Given a list of effective cover letter elements, write a cover letter
	01.01.11	Compile the best examples of their work into a portfolio
	01.01.12	Write a resume that lists their skills and competencies
	01.01.15	List the steps to an effective job interview
	01.01.16	Explain the follow-up steps for a job interview
	01.01.18	Outline the steps to resigning a job
	01.02.02	List the reasons and the ways to make a positive first impression in the foodservice industry
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.1.CE 1.2.4	Assess strengths, weaknesses, and development as a writer by examining a collection of own writing.	
	01.01.15	List the steps to an effective job interview
	01.01.16	Explain the follow-up steps for a job interview
	01.01.18	Outline the steps to resigning a job
	01.02.02	List the reasons and the ways to make a positive first impression in the foodservice industry
<b>ELA.1.CE 1.3</b>	<b>Communicate in speech, writing, and multimedia using content, form, voice, and style appropriate to the audience and purpose (e.g., to reflect, persuade, inform, analyze, entertain, inspire).</b>	
ELA.1.CE 1.3.1	Compose written, spoken, and/or multimedia compositions in a range of genres (e.g., personal narrative, biography, poem, fiction, drama, creative nonfiction, summary, literary analysis essay, research report, or work-related text): pieces that serve a variety of purposes (e.g., expressive, informative, creative, and persuasive) and that use a variety of organizational patterns (e.g., autobiography, free verse, dialogue, comparison/contrast, definition, or cause and effect).	
	<b>26.02</b>	<b>Explain the advantages and disadvantages of working for self, others, being an employee of a large or small organization.</b>
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.1.CE 1.3.2	Compose written and spoken essays or work-related text that demonstrate logical thinking and the development of ideas for academic, creative, and personal purposes: essays that convey the author's message by using an engaging introduction (with a clear thesis as appropriate), well-constructed paragraphs, transition sentences, and a powerful conclusion.	
	01.01.08	Outline a plan for an effective job search
	01.01.09	Given a list of effective cover letter elements, write a cover letter
	01.01.11	Compile the best examples of their work into a portfolio
	01.01.12	Write a resume that lists their skills and competencies
	16.01.01	Read and comprehend work related materials.
	16.01.02	Read and follow instructions to perform a task.

	16.01.03	Perform basic mathematical functions including use of decimals, fractions, percentages, formulas and methods of measurements.
	16.01.04	Perform basic accounting procedures.
	16.01.05	Perform written tasks including filling out forms and writing reports.
	<b>26.02</b>	<b>Explain the advantages and disadvantages of working for self, others, being an employee of a large or small organization.</b>
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.1.CE 1.3.3		Compose essays with well-crafted and varied sentences demonstrating a precise, flexible, and creative use of language.
	01.01.09	Given a list of effective cover letter elements, write a cover letter
	01.01.11	Compile the best examples of their work into a portfolio
	01.01.12	Write a resume that lists their skills and competencies
	<b>26.02</b>	<b>Explain the advantages and disadvantages of working for self, others, being an employee of a large or small organization.</b>
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.1.CE 1.3.4		Develop and extend a thesis, argument, or exploration of a topic by analyzing differing perspectives and employing a structure that effectively conveys the ideas in writing (e.g. resolve inconsistencies in logic; use a range of strategies to persuade, clarify, and defend a position with precise and relevant evidence; anticipate and address concerns and counterclaims; provide a clear and effective conclusion).
	<b>26.02</b>	<b>Explain the advantages and disadvantages of working for self, others, being an employee of a large or small organization.</b>
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
	30.01.01	Determine goals and develop an action plan to accomplish them within a given time frame.
ELA.1.CE 1.3.5		From the outset, identify and assess audience expectations and needs; consider the rhetorical effects of style, form, and content based on that assessment; and adapt communication strategies appropriately and effectively.
	01.01.08	Outline a plan for an effective job search
	01.01.09	Given a list of effective cover letter elements, write a cover letter
	01.01.11	Compile the best examples of their work into a portfolio
	01.01.12	Write a resume that lists their skills and competencies
	06.01.01	Detail ways to achieve high rate of positive comments.
	06.01.02	Get regular feedback from guests and staff.
	09.01.04	Read & comprehend recipes, operational manuals, inventory control sheets, menus, correspondence, training manuals, etc.
	10.01.02	Write English or required language.
	10.01.03	Exhibit pleasing appearance and hygiene.
	17.06.01	Make a request of a guest/customer without confrontation.
	17.06.02	Give directions to a frenzied, stressed, upset guest/customer without insult or conflict.
	21.01.01	Encourage positive working relationships.
	21.01.02	Participate as a team member.
	21.01.03	Adhere to company policies.
	21.01.04	Motivate self.

	<b>26.02</b>	<b>Explain the advantages and disadvantages of working for self, others, being an employee of a large or small organization.</b>
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.1.CE 1.3.6	Use speaking, writing, and visual presentations to appeal to audiences of different social, economic, and cultural backgrounds and experiences (e.g., include explanations and definitions according to the audience's background, age, or knowledge of the topic; adjust formality of style; consider interests of potential readers).	
	01.01.02	List the elements of excellent service and give examples
	01.01.03	State the difference between school and workplace environments
	01.01.04	Develop a list of workplace guidelines
	01.01.05	Identify and give examples of positive work attitudes
	01.01.06	Give examples of career opportunities in the foodservice industry
	01.01.07	Make a list of qualities of successful foodservice employees
	01.01.09	Given a list of effective cover letter elements, write a cover letter
	01.01.11	Compile the best examples of their work into a portfolio
	01.01.12	Write a resume that lists their skills and competencies
	01.01.15	List the steps to an effective job interview
	01.01.16	Explain the follow-up steps for a job interview
	01.01.17	State their interpretation of a first day on the job
	01.01.18	Outline the steps to resigning a job
	01.02.02	List the reasons and the ways to make a positive first impression in the foodservice industry
	01.02.04	Distinguish between effective and ineffective communication with customers by giving examples
	01.02.06	Outline the service planning process
	01.09.01	Explain how stereotypes and prejudices can negatively affect how people work together
	21.01.01	Encourage positive working relationships.
	21.01.02	Participate as a team member.
	21.01.03	Adhere to company policies.
	21.01.04	Motivate self.
	<b>26.02</b>	<b>Explain the advantages and disadvantages of working for self, others, being an employee of a large or small organization.</b>
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.1.CE 1.3.7	Participate collaboratively and productively in groups (e.g., response groups, work teams, discussion groups, and committees)—fulfilling roles and responsibilities, posing relevant questions, giving and following instructions, acknowledging and building on ideas and contributions of others to answer questions or to solve problems, and offering dissent courteously.	
	08.01.01	Detail operating procedures for food quality.
	08.01.02	Detail operating procedures for food presentation.
	09.01.04	Read & comprehend recipes, operational manuals, inventory control sheets, menus, correspondence, training manuals, etc.
	14.01.01	Detail operating procedures for food quality.
	14.01.02	Detail operating procedures for food presentation.
	15.02.01	Develop a list of workplace rules and regulations.
	21.01.01	Encourage positive working relationships.
	21.01.02	Participate as a team member.



	21.01.03	Adhere to company policies.
	21.01.04	Motivate self.
	<b>26.01</b>	<b>Organize career information and labor market trends from a variety of sources.</b>
	<b>26.02</b>	<b>Explain the advantages and disadvantages of working for self, others, being an employee of a large or small organization.</b>
	<b>26.03</b>	<b>Analyze information &amp; preferences from work-based opportunity.</b>
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.1.CE 1.3.8		Evaluate own and others' effectiveness in group discussions and formal presentations (e.g., considering accuracy, relevance, clarity, and delivery; types of arguments used; and relationships among purpose, audience, and content).
	09.01.04	Read & comprehend recipes, operational manuals, inventory control sheets, menus, correspondence, training manuals, etc.
	10.01.02	Write English or required language.
	10.01.03	Exhibit pleasing appearance and hygiene.
	11.02.01	Maintain current job descriptions for all positions under the managerial level.
	11.02.02	Conduct regular reviews of staff.
	11.02.03	Conduct regular training and coaching of staff.
	21.01.01	Encourage positive working relationships.
	21.01.02	Participate as a team member.
	21.01.03	Adhere to company policies.
	21.01.04	Motivate self.
	<b>26.02</b>	<b>Explain the advantages and disadvantages of working for self, others, being an employee of a large or small organization.</b>
	<b>26.03</b>	<b>Analyze information &amp; preferences from work-based opportunity.</b>
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
	31.02.01	Demonstrate leadership by listening to others and asking appropriate questions to clarify a problem or issue.
ELA.1.CE 1.3.9		Use the formal, stylistic, content, and mechanical conventions of a variety of genres in speaking, writing, and multimedia presentations.
	<b>26.02</b>	<b>Explain the advantages and disadvantages of working for self, others, being an employee of a large or small organization.</b>
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
<b>ELA.1.CE 1.4</b>		<b>Develop and use the tools and practices of inquiry and research—generating, exploring, and refining important questions; creating a hypothesis or thesis; gathering and studying evidence; drawing conclusions; and composing a report.</b>
ELA.1.CE 1.4.1		Identify, explore, and refine topics and questions appropriate for research.
	15.03.01	List the qualifications for various careers in the food service industry.
	15.03.02	Describe the major duties/tasks for each job option.
	19.01.01	Identify early stages of the hospitality and tourism industry.
	19.01.02	Outline the growth of the hospitality industry.
	19.01.03	Discuss current trends in society and how they affect hospitality and tourism.
	19.01.04	Draw conclusions on the impact of the future economic, technological and social changes in the hospitality and tourism industry.

	<b>26.01</b>	<b>Organize career information and labor market trends from a variety of sources.</b>
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.1.CE 1.4.2	Develop a system for gathering, organizing, paraphrasing, and summarizing information; select, evaluate, synthesize, and use multiple primary and secondary (print and electronic) resources.	
	06.03.01	Identify ethical and legal situations which occur in the workplace.
	06.03.02	Relate appropriate response to legal/ethical infractions in the workplace.
	11.02.01	Maintain current job descriptions for all positions under the managerial level.
	11.02.02	Conduct regular reviews of staff.
	11.02.03	Conduct regular training and coaching of staff.
	11.03.01	Conduct thorough orientation for new staff.
	11.03.02	Detail elements involved in new orientation.
	13.03.03	Bookmark websites.
	15.03.01	List the qualifications for various careers in the food service industry.
	15.03.02	Describe the major duties/tasks for each job option.
	19.01.01	Identify early stages of the hospitality and tourism industry.
	19.01.02	Outline the growth of the hospitality industry.
	19.01.03	Discuss current trends in society and how they affect hospitality and tourism.
	19.01.04	Draw conclusions on the impact of the future economic, technological and social changes in the hospitality and tourism industry.
	<b>26.01</b>	<b>Organize career information and labor market trends from a variety of sources.</b>
	<b>26.05</b>	<b>Apply a decision-making model and use career assessment information to choose a career pathway.</b>
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
	30.01.01	Determine goals and develop an action plan to accomplish them within a given time frame.
ELA.1.CE 1.4.3	Develop and refine a position, claim, thesis, or hypothesis that will be explored and supported by analyzing different perspectives, resolving inconsistencies, and writing about those differences in a structure appropriate for the audience (e.g., argumentative essay that avoids inconsistencies in logic and develops a single thesis; exploratory essay that explains differences and similarities and raises additional questions).	
	06.01.01	Detail ways to achieve high rate of positive comments.
	06.01.02	Get regular feedback from guests and staff.
	09.01.04	Read & comprehend recipes, operational manuals, inventory control sheets, menus, correspondence, training manuals, etc.
	10.01.02	Write English or required language.
	10.01.03	Exhibit pleasing appearance and hygiene.
	15.03.01	List the qualifications for various careers in the food service industry.
	15.03.02	Describe the major duties/tasks for each job option.
	<b>26.01</b>	<b>Organize career information and labor market trends from a variety of sources.</b>
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
	30.01.01	Determine goals and develop an action plan to accomplish them within a given time frame.

# CTESTAR™ Course Curriculum Cross-Walk

## Food Services and Culinary Arts

2010-2011

ELA.1.CE 1.4.4	Interpret, synthesize, and evaluate information/findings in various print sources and media (e.g., fact and opinion, comprehensiveness of the evidence, bias, varied perspectives, motives and credibility of the author, date of publication) to draw conclusions and implications.
	06.03.01 Identify ethical and legal situations which occur in the workplace.
	06.03.02 Relate appropriate response to legal/ethical infractions in the workplace.
	11.02.01 Maintain current job descriptions for all positions under the managerial level.
	11.02.02 Conduct regular reviews of staff.
	11.02.03 Conduct regular training and coaching of staff.
	11.03.01 Conduct thorough orientation for new staff.
	11.03.02 Detail elements involved in new orientation.
	13.03.03 Bookmark websites.
	15.03.01 List the qualifications for various careers in the food service industry.
	15.03.02 Describe the major duties/tasks for each job option.
	19.01.01 Identify early stages of the hospitality and tourism industry.
	19.01.02 Outline the growth of the hospitality industry.
	19.01.03 Discuss current trends in society and how they affect hospitality and tourism.
	19.01.04 Draw conclusions on the impact of the future economic, technological and social changes in the hospitality and tourism industry.
	<b>26.01 Organize career information and labor market trends from a variety of sources.</b>
	<b>26.05 Apply a decision-making model and use career assessment information to choose a career pathway.</b>
	<b>27.05 Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.1.CE 1.4.5	Develop organizational structures appropriate to the purpose and message, and use transitions that produce a sequential or logical flow of ideas.
	15.03.01 List the qualifications for various careers in the food service industry.
	15.03.02 Describe the major duties/tasks for each job option.
	19.01.01 Identify early stages of the hospitality and tourism industry.
	19.01.02 Outline the growth of the hospitality industry.
	19.01.03 Discuss current trends in society and how they affect hospitality and tourism.
	19.01.04 Draw conclusions on the impact of the future economic, technological and social changes in the hospitality and tourism industry.
	<b>26.01 Organize career information and labor market trends from a variety of sources.</b>
	<b>27.05 Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
	30.01.01 Determine goals and develop an action plan to accomplish them within a given time frame.
ELA.1.CE 1.4.6	Use appropriate conventions of textual citation in different contexts (e.g., different academic disciplines and workplace writing situations).
	15.03.01 List the qualifications for various careers in the food service industry.
	15.03.02 Describe the major duties/tasks for each job option.
	19.01.01 Identify early stages of the hospitality and tourism industry.
	19.01.02 Outline the growth of the hospitality industry.
	19.01.03 Discuss current trends in society and how they affect hospitality and tourism.
	19.01.04 Draw conclusions on the impact of the future economic, technological and social changes in the hospitality and tourism industry.

	<b>26.01</b>	<b>Organize career information and labor market trends from a variety of sources.</b>
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.1.CE 1.4.7	Recognize the role of research, including student research, as a contribution to collective knowledge, selecting an appropriate method or genre through which research findings will be shared and evaluated, keeping in mind the needs of the prospective audience. (e.g., presentations, online sharing, written products such as a research report, a research brief, a multi-genre report, I-Search, literary analysis, news article).	
	10.02.01	Identify common nonverbal cues exhibited by guests and employees.
	15.03.01	List the qualifications for various careers in the food service industry.
	15.03.02	Describe the major duties/tasks for each job option.
	19.01.01	Identify early stages of the hospitality and tourism industry.
	19.01.02	Outline the growth of the hospitality industry.
	19.01.03	Discuss current trends in society and how they affect hospitality and tourism.
	19.01.04	Draw conclusions on the impact of the future economic, technological and social changes in the hospitality and tourism industry.
	<b>26.01</b>	<b>Organize career information and labor market trends from a variety of sources.</b>
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.1.CE 1.5	<b>Produce a variety of written, spoken, multigenre, and multimedia works, making conscious choices about language, form, style, and/or visual representation for each work (e.g., poetry, fiction and creative nonfiction stories, academic and literary essays, proposals, memos, manifestos, business letters, advertisements, prepared speeches, group and dramatic performances, poetry slams, and digital stories).</b>	
ELA.1.CE 1.5.1	Use writing, speaking, and visual expression to develop powerful, creative and critical messages.	
	01.01.01	State in their own words the importance of service to success in the hospitality industry
	01.01.02	List the elements of excellent service and give examples
	01.01.03	State the difference between school and workplace environments
	01.01.04	Develop a list of workplace guidelines
	01.01.05	Identify and give examples of positive work attitudes
	01.01.06	Give examples of career opportunities in the foodservice industry
	01.01.07	Make a list of qualities of successful foodservice employees
	01.01.08	Outline a plan for an effective job search
	01.01.09	Given a list of effective cover letter elements, write a cover letter
	01.01.11	Compile the best examples of their work into a portfolio
	01.01.12	Write a resume that lists their skills and competencies
	01.01.15	List the steps to an effective job interview
	01.01.16	Explain the follow-up steps for a job interview
	01.01.17	State their interpretation of a first day on the job
	01.01.18	Outline the steps to resigning a job
	01.02.02	List the reasons and the ways to make a positive first impression in the foodservice industry
	01.02.04	Distinguish between effective and ineffective communication with customers by giving examples
	01.02.06	Outline the service planning process

	01.09.01	Explain how stereotypes and prejudices can negatively affect how people work together
	17.03.01	Speak and understand English or required language.
	17.03.02	Present comfortable tone in speaking with people.
	17.03.03	Identify verbal cues.
	17.03.04	Communicate clearly and concisely to co-workers and others.
	17.03.05	Explain messages conveyed by verbal behaviors.
	21.01.01	Encourage positive working relationships.
	21.01.02	Participate as a team member.
	21.01.03	Adhere to company policies.
	21.01.04	Motivate self.
	<b>26.02</b>	<b>Explain the advantages and disadvantages of working for self, others, being an employee of a large or small organization.</b>
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
	30.01.01	Determine goals and develop an action plan to accomplish them within a given time frame.
ELA.1.CE 1.5.2		Prepare spoken and multimedia presentations that effectively address audiences by careful use of voice, pacing, gestures, eye contact, visual aids, audio and video technology.
	13.03.03	Bookmark websites.
	17.10.01	Use word processing software to develop text, charts, graphs or figures correctly.
	17.10.02	Use presentation software to prepare visual support materials.
	17.10.03	Format written documents with correct font and layout for easy reading.
	21.01.01	Encourage positive working relationships.
	21.01.02	Participate as a team member.
	21.01.03	Adhere to company policies.
	21.01.04	Motivate self.
	<b>26.02</b>	<b>Explain the advantages and disadvantages of working for self, others, being an employee of a large or small organization.</b>
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.1.CE 1.5.3		Select format and tone based on the desired effect and audience, using effective written and spoken language, sound, and/or visual representations (e.g., focus, transitions, facts, detail and evidence to support judgments, skillful use of rhetorical devices, and a coherent conclusion).
	01.01.01	State in their own words the importance of service to success in the hospitality industry
	01.01.02	List the elements of excellent service and give examples
	01.01.03	State the difference between school and workplace environments
	01.01.04	Develop a list of workplace guidelines
	01.01.05	Identify and give examples of positive work attitudes
	01.01.06	Give examples of career opportunities in the foodservice industry
	01.01.07	Make a list of qualities of successful foodservice employees
	01.01.08	Outline a plan for an effective job search
	01.01.09	Given a list of effective cover letter elements, write a cover letter
	01.01.11	Compile the best examples of their work into a portfolio
	01.01.12	Write a resume that lists their skills and competencies
	01.01.15	List the steps to an effective job interview
	01.01.16	Explain the follow-up steps for a job interview
	01.01.17	State their interpretation of a first day on the job

	01.01.18	Outline the steps to resigning a job
	01.02.02	List the reasons and the ways to make a positive first impression in the foodservice industry
	01.02.04	Distinguish between effective and ineffective communication with customers by giving examples
	01.02.06	Outline the service planning process
	01.09.01	Explain how stereotypes and prejudices can negatively affect how people work together
	09.01.04	Read & comprehend recipes, operational manuals, inventory control sheets, menus, correspondence, training manuals, etc.
	10.01.02	Write English or required language.
	10.01.03	Exhibit pleasing appearance and hygiene.
	17.03.01	Speak and understand English or required language.
	17.03.02	Present comfortable tone in speaking with people.
	17.03.03	Identify verbal cues.
	17.03.04	Communicate clearly and concisely to co-workers and others.
	17.03.05	Explain messages conveyed by verbal behaviors.
	17.10.01	Use word processing software to develop text, charts, graphs or figures correctly.
	17.10.02	Use presentation software to prepare visual support materials.
	17.10.03	Format written documents with correct font and layout for easy reading.
	21.01.01	Encourage positive working relationships.
	21.01.02	Participate as a team member.
	21.01.03	Adhere to company policies.
	21.01.04	Motivate self.
	<b>26.02</b>	<b>Explain the advantages and disadvantages of working for self, others, being an employee of a large or small organization.</b>
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.1.CE 1.5.4		Use technology tools (e.g, word processing, presentation and multimedia software) to produce polished written and multimedia work (e.g., literary and expository works, proposals, business presentations, advertisements).
	01.01.11	Compile the best examples of their work into a portfolio
	01.01.12	Write a resume that lists their skills and competencies
	13.03.03	Bookmark websites.
	17.10.01	Use word processing software to develop text, charts, graphs or figures correctly.
	17.10.02	Use presentation software to prepare visual support materials.
	17.10.03	Format written documents with correct font and layout for easy reading.
	<b>26.02</b>	<b>Explain the advantages and disadvantages of working for self, others, being an employee of a large or small organization.</b>
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.1.CE 1.5.5		Respond to and use feedback to strengthen written and multimedia presentations (e.g., clarify and defend ideas, expand on a topic, use logical arguments, modify organization, evaluate effectiveness of images, set goals for future presentations).
	01.01.11	Compile the best examples of their work into a portfolio
	01.01.12	Write a resume that lists their skills and competencies
	01.01.15	List the steps to an effective job interview
	01.01.16	Explain the follow-up steps for a job interview
	01.01.18	Outline the steps to resigning a job

- 01.02.02 List the reasons and the ways to make a positive first impression in the foodservice industry
- 10.02.01 Identify common nonverbal cues exhibited by guests and employees.
- 17.10.01 Use word processing software to develop text, charts, graphs or figures correctly.
- 17.10.02 Use presentation software to prepare visual support materials.
- 17.10.03 Format written documents with correct font and layout for easy reading.
- 18.01.02 Devise strategies for maximizing customer satisfaction.
- 18.01.03 Role-play customer dissatisfaction scenarios.
- 26.02 Explain the advantages and disadvantages of working for self, others, being an employee of a large or small organization.**
- 27.05 Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.**

**ELA.2.CE 2.1 Develop critical reading, listening, and viewing strategies.**

- ELA.2.CE 2.1.1 Use a variety of pre-reading and previewing strategies (e.g., acknowledge own prior knowledge, make connections, generate questions, make predictions, scan a text for a particular purpose or audience, analyze text structure and features) to make conscious choices about how to approach the reading based on purpose, genre, level of difficulty, text demands and features.
- 01.01.02 List the elements of excellent service and give examples
  - 01.01.03 State the difference between school and workplace environments
  - 01.01.04 Develop a list of workplace guidelines
  - 01.01.05 Identify and give examples of positive work attitudes
  - 01.01.06 Give examples of career opportunities in the foodservice industry
  - 01.01.07 Make a list of qualities of successful foodservice employees
  - 01.01.17 State their interpretation of a first day on the job
  - 01.01.18 Outline the steps to resigning a job
  - 01.02.02 List the reasons and the ways to make a positive first impression in the foodservice industry
  - 01.02.04 Distinguish between effective and ineffective communication with customers by giving examples
  - 01.02.06 Outline the service planning process
  - 01.09.01 Explain how stereotypes and prejudices can negatively affect how people work together
  - 08.01.01 Detail operating procedures for food quality.
  - 08.01.02 Detail operating procedures for food presentation.
  - 16.01.01 Read and comprehend work related materials.
  - 16.01.02 Read and follow instructions to perform a task.
  - 16.01.03 Perform basic mathematical functions including use of decimals, fractions, percentages, formulas and methods of measurements.
  - 16.01.04 Perform basic accounting procedures.
  - 16.01.05 Perform written tasks including filling out forms and writing reports.
  - 17.07.01 Identify purpose of text.
  - 17.07.02 Identify complexity of text.
  - 17.07.03 Use at least one reading strategy (skimming, reading for detail, reading for meaning and critical analysis) for selected reading and describe why you selected that strategy.
  - 17.08.01 Determine relevance, accuracy and appropriateness to purpose.
  - 17.08.02 Integrate information with prior knowledge.
  - 17.08.03 Identify complexities and discrepancies in information.
  - 17.08.04 Analyze information presented in a variety of formats such as tables, lists, and figures.

	17.09.01	Explain meaning of new terms, vocabulary and concepts.
	17.09.02	Interpret technical materials used.
	17.09.03	Write specific steps for applying information learned to task or new situation.
	17.09.04	Write set of directions for others sharing information learned and applying that to task or new situation.
	<b>26.01</b>	<b>Organize career information and labor market trends from a variety of sources.</b>
	31.02.02	Summarize a problem clearly and in appropriate detail.
ELA.2.CE 2.1.2		Make supported inferences and draw conclusions based on informational print and multimedia features (e.g., prefaces, appendices, marginal notes, illustrations, bibliographies, author's pages, footnotes, diagrams, tables, charts, maps, timelines, graphs, and other visual and special effects) and explain how authors and speakers use them to infer the organization of text and enhance understanding, convey meaning, and inspire or mislead audiences.
	06.03.01	Identify ethical and legal situations which occur in the workplace.
	06.03.02	Relate appropriate response to legal/ethical infractions in the workplace.
	17.08.01	Determine relevance, accuracy and appropriateness to purpose.
	17.08.02	Integrate information with prior knowledge.
	17.08.03	Identify complexities and discrepancies in information.
	17.08.04	Analyze information presented in a variety of formats such as tables, lists, and figures.
	<b>26.01</b>	<b>Organize career information and labor market trends from a variety of sources.</b>
	<b>26.03</b>	<b>Analyze information &amp; preferences from work-based opportunity.</b>
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.2.CE 2.1.3		Determine the meaning of unfamiliar words, specialized vocabulary, figurative language, idiomatic expressions, and technical meanings of terms through context clues, word roots and affixes, and the use of appropriate resource materials such as print and electronic dictionaries.
	01.01.01	State in their own words the importance of service to success in the hospitality industry
	01.01.02	List the elements of excellent service and give examples
	01.01.03	State the difference between school and workplace environments
	01.01.04	Develop a list of workplace guidelines
	01.01.05	Identify and give examples of positive work attitudes
	01.01.06	Give examples of career opportunities in the foodservice industry
	01.01.07	Make a list of qualities of successful foodservice employees
	01.01.16	Explain the follow-up steps for a job interview
	01.01.17	State their interpretation of a first day on the job
	01.01.18	Outline the steps to resigning a job
	01.02.02	List the reasons and the ways to make a positive first impression in the foodservice industry
	01.02.04	Distinguish between effective and ineffective communication with customers by giving examples
	01.02.06	Outline the service planning process
	01.09.01	Explain how stereotypes and prejudices can negatively affect how people work together
	06.03.01	Identify ethical and legal situations which occur in the workplace.
	06.03.02	Relate appropriate response to legal/ethical infractions in the workplace.
	16.01.01	Read and comprehend work related materials.
	16.01.02	Read and follow instructions to perform a task.



	16.01.03	Perform basic mathematical functions including use of decimals, fractions, percentages, formulas and methods of measurements.
	16.01.04	Perform basic accounting procedures.
	16.01.05	Perform written tasks including filling out forms and writing reports.
	17.07.01	Identify purpose of text.
	17.07.02	Identify complexity of text.
	17.07.03	Use at least one reading strategy (skimming, reading for detail, reading for meaning and critical analysis) for selected reading and describe why you selected that strategy.
	17.08.01	Determine relevance, accuracy and appropriateness to purpose.
	17.08.02	Integrate information with prior knowledge.
	17.08.03	Identify complexities and discrepancies in information.
	17.08.04	Analyze information presented in a variety of formats such as tables, lists, and figures.
	21.01.01	Encourage positive working relationships.
	21.01.02	Participate as a team member.
	21.01.03	Adhere to company policies.
	21.01.04	Motivate self.
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
	30.01.01	Determine goals and develop an action plan to accomplish them within a given time frame.
	31.02.02	Summarize a problem clearly and in appropriate detail.
ELA.2.CE 2.1.4		Identify and evaluate the primary focus, logical argument, structure, and style of a text or speech and the ways in which these elements support or confound meaning or purpose.
	01.01.01	State in their own words the importance of service to success in the hospitality industry
	01.01.02	List the elements of excellent service and give examples
	01.01.03	State the difference between school and workplace environments
	01.01.04	Develop a list of workplace guidelines
	01.01.05	Identify and give examples of positive work attitudes
	01.01.06	Give examples of career opportunities in the foodservice industry
	01.01.07	Make a list of qualities of successful foodservice employees
	01.01.16	Explain the follow-up steps for a job interview
	01.01.17	State their interpretation of a first day on the job
	01.01.18	Outline the steps to resigning a job
	01.02.02	List the reasons and the ways to make a positive first impression in the foodservice industry
	01.02.04	Distinguish between effective and ineffective communication with customers by giving examples
	01.02.06	Outline the service planning process
	01.09.01	Explain how stereotypes and prejudices can negatively affect how people work together
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.2.CE 2.1.5		Analyze and evaluate the components of multiple organizational patterns (e.g., compare/contrast, cause/effect, problem/solution, fact/opinion, theory/evidence).
	11.02.01	Maintain current job descriptions for all positions under the managerial level.
	11.02.02	Conduct regular reviews of staff.
	11.02.03	Conduct regular training and coaching of staff.

	17.08.01	Determine relevance, accuracy and appropriateness to purpose.
	17.08.02	Integrate information with prior knowledge.
	17.08.03	Identify complexities and discrepancies in information.
	17.08.04	Analyze information presented in a variety of formats such as tables, lists, and figures.
	<b>26.03</b>	<b>Analyze information &amp; preferences from work-based opportunity.</b>
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
	31.02.02	Summarize a problem clearly and in appropriate detail.
ELA.2.CE 2.1.6		Recognize the defining characteristics of informational texts, speeches, and multimedia presentations (e.g., documentaries and research presentations) and elements of expository texts (e.g., thesis, supporting ideas, and statistical evidence); critically examine the argumentation and conclusions of multiple informational texts.
	17.08.01	Determine relevance, accuracy and appropriateness to purpose.
	17.08.02	Integrate information with prior knowledge.
	17.08.03	Identify complexities and discrepancies in information.
	17.08.04	Analyze information presented in a variety of formats such as tables, lists, and figures.
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
	31.02.02	Summarize a problem clearly and in appropriate detail.
ELA.2.CE 2.1.7		Demonstrate understanding of written, spoken, or visual information by restating, paraphrasing, summarizing, critiquing, or composing a personal response; distinguish between a summary and a critique.
	01.01.01	State in their own words the importance of service to success in the hospitality industry
	01.01.02	List the elements of excellent service and give examples
	01.01.03	State the difference between school and workplace environments
	01.01.04	Develop a list of workplace guidelines
	01.01.05	Identify and give examples of positive work attitudes
	01.01.06	Give examples of career opportunities in the foodservice industry
	01.01.07	Make a list of qualities of successful foodservice employees
	01.01.15	List the steps to an effective job interview
	01.01.16	Explain the follow-up steps for a job interview
	01.01.17	State their interpretation of a first day on the job
	01.01.18	Outline the steps to resigning a job
	01.02.02	List the reasons and the ways to make a positive first impression in the foodservice industry
	01.02.04	Distinguish between effective and ineffective communication with customers by giving examples
	01.02.06	Outline the service planning process
	01.09.01	Explain how stereotypes and prejudices can negatively affect how people work together
	06.03.01	Identify ethical and legal situations which occur in the workplace.
	06.03.02	Relate appropriate response to legal/ethical infractions in the workplace.
	11.03.01	Conduct thorough orientation for new staff.
	11.03.02	Detail elements involved in new orientation.
	15.02.01	Develop a list of workplace rules and regulations.
	16.01.01	Read and comprehend work related materials.
	16.01.02	Read and follow instructions to perform a task.

	16.01.03	Perform basic mathematical functions including use of decimals, fractions, percentages, formulas and methods of measurements.
	16.01.04	Perform basic accounting procedures.
	16.01.05	Perform written tasks including filling out forms and writing reports.
	17.02.01	Ask questions to seek or confirm understanding.
	17.02.02	Paraphrase or repeat information.
	17.02.03	Record or summarize information in written notes.
	17.02.04	Follow directions and/or respond in a positive way with clear, concise comments.
	21.01.01	Encourage positive working relationships.
	21.01.02	Participate as a team member.
	21.01.03	Adhere to company policies.
	21.01.04	Motivate self.
	<b>26.01</b>	<b>Organize career information and labor market trends from a variety of sources.</b>
	<b>26.03</b>	<b>Analyze information &amp; preferences from work-based opportunity.</b>
	<b>26.05</b>	<b>Apply a decision-making model and use career assessment information to choose a career pathway.</b>
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
	31.02.02	Summarize a problem clearly and in appropriate detail.
ELA.2.CE 2.1.8		Recognize the conventions of visual and multimedia presentations (e.g., lighting, camera angle, special effects, color, and soundtrack) and how they carry or influence messages.
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.2.CE 2.1.9		Examine the intersections and distinctions between visual (media images, painting, film, and graphic arts) and verbal communication.
	01.01.15	List the steps to an effective job interview
	01.01.16	Explain the follow-up steps for a job interview
	01.01.18	Outline the steps to resigning a job
	01.02.02	List the reasons and the ways to make a positive first impression in the foodservice industry
	01.02.04	Distinguish between effective and ineffective communication with customers by giving examples
	01.09.01	Explain how stereotypes and prejudices can negatively affect how people work together
	17.03.01	Speak and understand English or required language.
	17.03.02	Present comfortable tone in speaking with people.
	17.03.03	Identify verbal cues.
	17.03.04	Communicate clearly and concisely to co-workers and others.
	17.03.05	Explain messages conveyed by verbal behaviors.
	17.04.01	Identify nonverbal cues.
	17.04.02	Observe eye contact, facial expressions, posture, gestures, and other body language.
	17.04.03	Explain message conveyed by nonverbal behaviors
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.2.CE 2.1.10		Listen to and view speeches, presentations, and multimedia works to identify and respond thoughtfully to key ideas, significant details, logical organization, fact and opinion, and propaganda.

	10.02.01	Identify common nonverbal cues exhibited by guests and employees.
	17.01.01	Determine familiarity of discussion.
	17.01.02	Differentiate between hearing and listening.
	17.01.03	Evaluate different styles of listening.
	17.01.04	Identify the effects of physical, social, and psychological factors on ability to listen.
	17.01.05	Demonstrate the role of good listening skills in job success.
	17.01.06	Explain the message given.
	17.02.01	Ask questions to seek or confirm understanding.
	17.02.02	Paraphrase or repeat information.
	17.02.03	Record or summarize information in written notes.
	17.02.04	Follow directions and/or respond in a positive way with clear, concise comments.
	21.01.01	Encourage positive working relationships.
	21.01.02	Participate as a team member.
	21.01.03	Adhere to company policies.
	21.01.04	Motivate self.
	<b>26.01</b>	<b>Organize career information and labor market trends from a variety of sources.</b>
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.2.CE 2.1.11		Demonstrate appropriate social skills of audience, group discussion, or work team behavior by listening attentively and with civility to the ideas of others, gaining the floor in respectful ways, posing appropriate questions, and tolerating ambiguity and lack of consensus.
	01.01.05	Identify and give examples of positive work attitudes
	01.01.16	Explain the follow-up steps for a job interview
	06.01.01	Detail ways to achieve high rate of positive comments.
	06.01.02	Get regular feedback from guests and staff.
	06.03.01	Identify ethical and legal situations which occur in the workplace.
	06.03.02	Relate appropriate response to legal/ethical infractions in the workplace.
	09.01.04	Read & comprehend recipes, operational manuals, inventory control sheets, menus, correspondence, training manuals, etc.
	10.01.02	Write English or required language.
	10.01.03	Exhibit pleasing appearance and hygiene.
	11.01.01	Detail ways to minimize staff turnover.
	11.01.02	Work well with other staff members.
	11.01.03	Conduct regular staff training.
	11.02.01	Maintain current job descriptions for all positions under the managerial level.
	11.02.02	Conduct regular reviews of staff.
	11.02.03	Conduct regular training and coaching of staff.
	17.01.01	Determine familiarity of discussion.
	17.01.02	Differentiate between hearing and listening.
	17.01.03	Evaluate different styles of listening.
	17.01.04	Identify the effects of physical, social, and psychological factors on ability to listen.
	17.01.05	Demonstrate the role of good listening skills in job success.
	17.01.06	Explain the message given.
	17.06.01	Make a request of a guest/customer without confrontation.
	17.06.02	Give directions to a frenzied, stressed, upset guest/customer without insult or conflict.
	21.01.01	Encourage positive working relationships.
	21.01.02	Participate as a team member.

	21.01.03	Adhere to company policies.
	21.01.04	Motivate self.
	<b>26.03</b>	<b>Analyze information &amp; preferences from work-based opportunity.</b>
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
	29.04.06	Demonstrate customer service skills in an appropriate setting by listening, suggesting solutions, and communicating the issues at hand.
	31.02.01	Demonstrate leadership by listening to others and asking appropriate questions to clarify a problem or issue.
	31.02.02	Summarize a problem clearly and in appropriate detail.
ELA.2.CE 2.1.12		Use a variety of strategies to enhance listening comprehension (e.g., monitor message for clarity and understanding, ask relevant questions, provide verbal and nonverbal feedback, notice cues such as change of pace or emphasis that indicate a new point is about to be made; and take notes to organize essential information).
	06.03.01	Identify ethical and legal situations which occur in the workplace.
	06.03.02	Relate appropriate response to legal/ethical infractions in the workplace.
	08.01.01	Detail operating procedures for food quality.
	08.01.02	Detail operating procedures for food presentation.
	09.01.04	Read & comprehend recipes, operational manuals, inventory control sheets, menus, correspondence, training manuals, etc.
	17.01.01	Determine familiarity of discussion.
	17.01.02	Differentiate between hearing and listening.
	17.01.03	Evaluate different styles of listening.
	17.01.04	Identify the effects of physical, social, and psychological factors on ability to listen.
	17.01.05	Demonstrate the role of good listening skills in job success.
	17.01.06	Explain the message given.
	21.01.01	Encourage positive working relationships.
	21.01.02	Participate as a team member.
	21.01.03	Adhere to company policies.
	21.01.04	Motivate self.
	<b>26.01</b>	<b>Organize career information and labor market trends from a variety of sources.</b>
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
<b>ELA.2.CE 2.2</b>		<b>Use a variety of reading, listening, and viewing strategies to construct meaning beyond the literal level (e.g., drawing inferences; confirming and correcting; making comparisons, connections, and generalizations; and drawing conclusions).</b>
ELA.2.CE 2.2.1		Recognize literary and persuasive strategies as ways by which authors convey ideas and readers make meaning (e.g., imagery, irony, satire, parody, propaganda, overstatement/understatement, omission, and multiple points of view).
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.2.CE 2.2.2		Examine the ways in which prior knowledge and personal experience affect the understanding of written, spoken, or multimedia text.
	16.01.01	Read and comprehend work related materials.
	16.01.02	Read and follow instructions to perform a task.

	16.01.03	Perform basic mathematical functions including use of decimals, fractions, percentages, formulas and methods of measurements.
	16.01.04	Perform basic accounting procedures.
	16.01.05	Perform written tasks including filling out forms and writing reports.
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
	31.02.02	Summarize a problem clearly and in appropriate detail.
ELA.2.CE 2.2.3		Interpret the meaning of written, spoken, and visual texts by drawing on different cultural, theoretical, and critical perspectives.
	06.03.01	Identify ethical and legal situations which occur in the workplace.
	06.03.02	Relate appropriate response to legal/ethical infractions in the workplace.
	<b>26.01</b>	<b>Organize career information and labor market trends from a variety of sources.</b>
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
	31.02.02	Summarize a problem clearly and in appropriate detail.
<b>ELA.2.CE 2.3</b>		<b>Develop as a reader, listener, and viewer for personal, social, and political purposes, through independent and collaborative reading.</b>
ELA.2.CE 2.3.1		Read, listen to, and view diverse texts for multiple purposes such as learning complex procedures, making work-place decisions, or pursuing in-depth studies.
	01.01.02	List the elements of excellent service and give examples
	01.01.03	State the difference between school and workplace environments
	01.01.04	Develop a list of workplace guidelines
	01.01.05	Identify and give examples of positive work attitudes
	01.01.06	Give examples of career opportunities in the foodservice industry
	01.01.07	Make a list of qualities of successful foodservice employees
	01.01.15	List the steps to an effective job interview
	01.01.16	Explain the follow-up steps for a job interview
	01.01.17	State their interpretation of a first day on the job
	01.01.18	Outline the steps to resigning a job
	01.02.02	List the reasons and the ways to make a positive first impression in the foodservice industry
	01.02.04	Distinguish between effective and ineffective communication with customers by giving examples
	01.02.06	Outline the service planning process
	01.09.01	Explain how stereotypes and prejudices can negatively affect how people work together
	11.03.01	Conduct thorough orientation for new staff.
	11.03.02	Detail elements involved in new orientation.
	14.01.01	Detail operating procedures for food quality.
	14.01.02	Detail operating procedures for food presentation.
	17.09.01	Explain meaning of new terms, vocabulary and concepts.
	17.09.02	Interpret technical materials used.
	17.09.03	Write specific steps for applying information learned to task or new situation.
	17.09.04	Write set of directions for others sharing information learned and applying that to task or new situation.
	<b>26.01</b>	<b>Organize career information and labor market trends from a variety of sources.</b>

	<b>26.02</b>	<b>Explain the advantages and disadvantages of working for self, others, being an employee of a large or small organization.</b>
	<b>26.05</b>	<b>Apply a decision-making model and use career assessment information to choose a career pathway.</b>
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.2.CE 2.3.2	Read, view, and/or listen independently to a variety of fiction, nonfiction, and multimedia genres based on student interest and curiosity.	
	<b>26.01</b>	<b>Organize career information and labor market trends from a variety of sources.</b>
	<b>26.02</b>	<b>Explain the advantages and disadvantages of working for self, others, being an employee of a large or small organization.</b>
ELA.2.CE 2.3.3	Critically read and interpret instructions for a variety of tasks (e.g., completing assignments, using software, writing college and job applications).	
	01.01.04	Develop a list of workplace guidelines
	01.01.05	Identify and give examples of positive work attitudes
	01.01.06	Give examples of career opportunities in the foodservice industry
	01.01.07	Make a list of qualities of successful foodservice employees
	01.01.15	List the steps to an effective job interview
	01.01.16	Explain the follow-up steps for a job interview
	01.01.17	State their interpretation of a first day on the job
	01.01.18	Outline the steps to resigning a job
	01.02.02	List the reasons and the ways to make a positive first impression in the foodservice industry
	01.02.04	Distinguish between effective and ineffective communication with customers by giving examples
	01.02.06	Outline the service planning process
	01.09.01	Explain how stereotypes and prejudices can negatively affect how people work together
	06.03.01	Identify ethical and legal situations which occur in the workplace.
	06.03.02	Relate appropriate response to legal/ethical infractions in the workplace.
	08.01.01	Detail operating procedures for food quality.
	08.01.02	Detail operating procedures for food presentation.
	09.01.04	Read & comprehend recipes, operational manuals, inventory control sheets, menus, correspondence, training manuals, etc.
	14.01.01	Detail operating procedures for food quality.
	14.01.02	Detail operating procedures for food presentation.
	15.02.01	Develop a list of workplace rules and regulations.
	17.02.01	Ask questions to seek or confirm understanding.
	17.02.02	Paraphrase or repeat information.
	17.02.03	Record or summarize information in written notes.
	17.02.04	Follow directions and/or respond in a positive way with clear, concise comments.
	17.08.01	Determine relevance, accuracy and appropriateness to purpose.
	17.08.02	Integrate information with prior knowledge.
	17.08.03	Identify complexities and discrepancies in information.
	17.08.04	Analyze information presented in a variety of formats such as tables, lists, and figures.
	17.09.01	Explain meaning of new terms, vocabulary and concepts.
	17.09.02	Interpret technical materials used.
	17.09.03	Write specific steps for applying information learned to task or new situation.

	17.09.04	Write set of directions for others sharing information learned and applying that to task or new situation.
	<b>26.01</b>	<b>Organize career information and labor market trends from a variety of sources.</b>
	<b>26.02</b>	<b>Explain the advantages and disadvantages of working for self, others, being an employee of a large or small organization.</b>
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
	31.02.02	Summarize a problem clearly and in appropriate detail.
ELA.2.CE 2.3.4		Critically interpret primary and secondary research-related documents (e.g., historical and government documents, newspapers, critical and technical articles, and subject-specific books).
	06.03.01	Identify ethical and legal situations which occur in the workplace.
	06.03.02	Relate appropriate response to legal/ethical infractions in the workplace.
	<b>26.01</b>	<b>Organize career information and labor market trends from a variety of sources.</b>
	<b>26.02</b>	<b>Explain the advantages and disadvantages of working for self, others, being an employee of a large or small organization.</b>
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.2.CE 2.3.5		Engage in self-assessment as a reader, listener, and viewer, while monitoring comprehension and using a variety of strategies to overcome difficulties when constructing and conveying meaning.
	08.01.01	Detail operating procedures for food quality.
	08.01.02	Detail operating procedures for food presentation.
	17.09.01	Explain meaning of new terms, vocabulary and concepts.
	17.09.02	Interpret technical materials used.
	17.09.03	Write specific steps for applying information learned to task or new situation.
	17.09.04	Write set of directions for others sharing information learned and applying that to task or new situation.
	<b>26.01</b>	<b>Organize career information and labor market trends from a variety of sources.</b>
	<b>26.02</b>	<b>Explain the advantages and disadvantages of working for self, others, being an employee of a large or small organization.</b>
	<b>26.05</b>	<b>Apply a decision-making model and use career assessment information to choose a career pathway.</b>
ELA.2.CE 2.3.6		Reflect on personal understanding of reading, listening, and viewing; set personal learning goals; and take responsibility for personal growth.
	09.01.04	Read & comprehend recipes, operational manuals, inventory control sheets, menus, correspondence, training manuals, etc.
	<b>26.01</b>	<b>Organize career information and labor market trends from a variety of sources.</b>
	<b>26.02</b>	<b>Explain the advantages and disadvantages of working for self, others, being an employee of a large or small organization.</b>
	31.02.02	Summarize a problem clearly and in appropriate detail.
ELA.2.CE 2.3.7		Participate as an active member of a reading, listening, and viewing community, collaboratively selecting materials to read or events to view and enjoy (e.g., book talks, literature circles, film clubs).
	09.01.04	Read & comprehend recipes, operational manuals, inventory control sheets, menus, correspondence, training manuals, etc.



	<b>26.01</b>	<b>Organize career information and labor market trends from a variety of sources.</b>
	<b>26.02</b>	<b>Explain the advantages and disadvantages of working for self, others, being an employee of a large or small organization.</b>
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
	31.02.02	Summarize a problem clearly and in appropriate detail.
ELA.2.CE 2.3.8		Develop and apply personal, shared, and academic criteria to evaluate own and others' oral, written, and visual texts.
	11.02.01	Maintain current job descriptions for all positions under the managerial level.
	11.02.02	Conduct regular reviews of staff.
	11.02.03	Conduct regular training and coaching of staff.
	<b>26.01</b>	<b>Organize career information and labor market trends from a variety of sources.</b>
	<b>26.02</b>	<b>Explain the advantages and disadvantages of working for self, others, being an employee of a large or small organization.</b>
	<b>26.05</b>	<b>Apply a decision-making model and use career assessment information to choose a career pathway.</b>
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
	31.02.02	Summarize a problem clearly and in appropriate detail.
<b>ELA.3.CE 3.1</b>		<b>Develop the skills of close and contextual literary reading.</b>
ELA.3.CE 3.1.1		Interpret literary language (e.g., imagery, allusions, symbolism, metaphor) while reading literary and expository works.
ELA.3.CE 3.1.2		Demonstrate an understanding of literary characterization, character development, the function of major and minor characters, motives and causes for action, and moral dilemmas that characters encounter by describing their function in specific works.
ELA.3.CE 3.1.3		Recognize a variety of plot structures and elements (e.g., story within a story, rising action, foreshadowing, flash backs, cause-and-effect relationships, conflicts, resolutions) and describe their impact on the reader in specific literary works.
ELA.3.CE 3.1.4		Analyze characteristics of specific works and authors (e.g., voice, mood, time sequence, author vs. narrator, stated vs. implied author, intended audience and purpose, irony, parody, satire, propaganda, use of archetypes and symbols) and identify basic beliefs, perspectives, and philosophical assumptions underlying an author's work.
ELA.3.CE 3.1.5		Comparatively analyze two or more literary or expository texts, comparing how and why similar themes are treated differently, by different authors, in different types of text, in different historical periods, and/or from different cultural perspectives.
ELA.3.CE 3.1.6		Examine differing and diverse interpretations of literary and expository works and explain how and why interpretation may vary from reader to reader.
ELA.3.CE 3.1.7		Analyze and evaluate the portrayal of various groups, societies, and cultures in literature and other texts.
ELA.3.CE 3.1.8		Demonstrate an understanding of historical, political, cultural, and philosophical themes and questions raised by literary and expository works.

ELA.3.CE 3.1.9	Analyze how the tensions among characters, communities, themes, and issues in literature and other texts reflect human experience.
ELA.3.CE 3.1.10	Demonstrate an understanding of the connections between literary and expository works, themes, and historical and contemporary contexts.
<b>ELA.3.CE 3.2</b>	<b>Read and respond to classic and contemporary fiction, literary nonfiction, and expository text, from a variety of literary genres representing many time periods and authors (e.g., myth, epic, folklore, drama, poetry, autobiography, novels, short stories, philosophical pieces, science fiction, fantasy, young adult literature, creative non-fiction, hypertext fiction).</b>
ELA.3.CE 3.2.1	Recognize a variety of literary genres and forms (e.g., poetry, drama, novels, short stories, autobiographies, biographies, multi-genre texts, satire, parody, allegory) and demonstrate an understanding of the way in which genre and form influence meaning.
ELA.3.CE 3.2.2	Identify different types of poetry (e.g., epic, lyric, sonnet, free verse) and explain how specific features (e.g., figurative language, imagery, rhythm, alliteration, etc.) influence meaning.
ELA.3.CE 3.2.3	Identify how elements of dramatic literature (e.g., dramatic irony, soliloquy, stage direction, and dialogue) illuminate the meaning of the text.
ELA.3.CE 3.2.4	Respond by participating actively and appropriately in small and large group discussions about literature (e.g., posing questions, listening to others, contributing ideas, reflecting on and revising initial responses).
	09.01.04 Read & comprehend recipes, operational manuals, inventory control sheets, menus, correspondence, training manuals, etc.
	29.04.06 Demonstrate customer service skills in an appropriate setting by listening, suggesting solutions, and communicating the issues at hand.
ELA.3.CE 3.2.5	Respond to literature in a variety of ways (e.g., dramatic interpretation, reader's theatre, literature circles, illustration, writing in a character's voice, engaging in social action, writing an analytic essay) providing examples of how texts affect their lives, connect them with the contemporary world, and communicate across time.
<b>ELA.3.CE 3.3</b>	<b>Use knowledge of literary history, traditions, and theory to respond to and analyze the meaning of texts.</b>
ELA.3.CE 3.3.1	Explore the relationships among individual works, authors, and literary movements in English and American literature (e.g., Romanticism, Puritanism, the Harlem Renaissance, Postcolonial), and consider the historical, cultural, and societal contexts in which works were produced.
ELA.3.CE 3.3.2	Read and analyze classic and contemporary works of literature (American, British, world) representing a variety of genres and traditions and consider their significance in their own time period as well as how they may be relevant to contemporary society.
ELA.3.CE 3.3.3	Draw on a variety of critical perspectives to respond to and analyze works of literature (e.g., religious, biographical, feminist, multicultural, political).
ELA.3.CE 3.3.4	Demonstrate knowledge of American minority literature and the contributions of minority writers.
ELA.3.CE 3.3.5	Demonstrate familiarity with world literature, including authors beyond American and British literary traditions.

# CTESTAR™ Course Curriculum Cross-Walk

## Food Services and Culinary Arts

2010-2011

ELA.3.CE 3.3.6	Critically examine standards of literary judgment (e.g., aesthetic value, quality of writing, literary merit, social significance) and questions regarding the inclusion and/or exclusion of literary works in the curriculum (e.g., canon formation, “classic” vs. “popular” texts, traditional vs. non-traditional literature, the place of literature by women and/or minority writers).
<b>ELA.3.CE 3.4</b>	<b>Examine mass media, film, series fiction, and other texts from popular culture.</b>
ELA.3.CE 3.4.1	Use methods of close and contextualized reading and viewing to examine, interpret, and evaluate print and visual media and other works from popular culture.
	13.03.03 Bookmark websites.
	<b>27.05 Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.3.CE 3.4.2	Understand that media and popular texts are produced within a social context and have economic, political, social, and aesthetic purposes.
	13.03.03 Bookmark websites.
	16.02.01 Identify the elements of marketing.
	16.02.02 Compare/contrast different marketing packets.
	16.02.03 Develop strategies for making a sale.
	<b>27.05 Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.3.CE 3.4.3	Understand the ways people use media in their personal and public lives.
	13.03.03 Bookmark websites.
	16.02.01 Identify the elements of marketing.
	16.02.02 Compare/contrast different marketing packets.
	16.02.03 Develop strategies for making a sale.
	<b>27.05 Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.3.CE 3.4.4	Understand how the commercial and political purposes of producers and publishers influence not only the nature of advertisements and the selection of media content, but the slant of news articles in newspapers, magazines, and the visual media.
	13.03.03 Bookmark websites.
	16.02.01 Identify the elements of marketing.
	16.02.02 Compare/contrast different marketing packets.
	16.02.03 Develop strategies for making a sale.
	<b>27.05 Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
<b>ELA.4.CE 4.1</b>	<b>Understand and use the English language effectively in a variety of contexts and settings.</b>
ELA.4.CE 4.1.1	Use sentence structures and vocabulary effectively within different modes (oral and written, formal and informal) and for various rhetorical purposes.
	01.01.08 Outline a plan for an effective job search
	01.01.09 Given a list of effective cover letter elements, write a cover letter
	01.01.11 Compile the best examples of their work into a portfolio
	01.01.12 Write a resume that lists their skills and competencies

	01.01.13	Read and complete a college application form
	01.01.14	Read and complete a job application form
	06.01.01	Detail ways to achieve high rate of positive comments.
	06.01.02	Get regular feedback from guests and staff.
	08.01.01	Detail operating procedures for food quality.
	08.01.02	Detail operating procedures for food presentation.
	09.01.04	Read & comprehend recipes, operational manuals, inventory control sheets, menus, correspondence, training manuals, etc.
	10.01.02	Write English or required language.
	10.01.03	Exhibit pleasing appearance and hygiene.
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.4.CE 4.1.2		Use resources to determine word meanings, pronunciations, and word etymologies (e.g., context, print and electronic dictionaries, thesauruses, glossaries, and others).
	01.01.08	Outline a plan for an effective job search
	01.01.11	Compile the best examples of their work into a portfolio
	06.01.01	Detail ways to achieve high rate of positive comments.
	06.01.02	Get regular feedback from guests and staff.
	06.03.01	Identify ethical and legal situations which occur in the workplace.
	06.03.02	Relate appropriate response to legal/ethical infractions in the workplace.
	08.01.01	Detail operating procedures for food quality.
	08.01.02	Detail operating procedures for food presentation.
	09.01.04	Read & comprehend recipes, operational manuals, inventory control sheets, menus, correspondence, training manuals, etc.
	10.01.02	Write English or required language.
	10.01.03	Exhibit pleasing appearance and hygiene.
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
	30.01.01	Determine goals and develop an action plan to accomplish them within a given time frame.
	31.02.02	Summarize a problem clearly and in appropriate detail.
ELA.4.CE 4.1.3		Use a range of linguistic applications and styles for accomplishing different rhetorical purposes (e.g., persuading others to change opinions, conducting business transactions, speaking in a public forum, discussing issues informally with peers).
	01.01.09	Given a list of effective cover letter elements, write a cover letter
	01.01.11	Compile the best examples of their work into a portfolio
	01.01.12	Write a resume that lists their skills and competencies
	06.01.01	Detail ways to achieve high rate of positive comments.
	06.01.02	Get regular feedback from guests and staff.
	08.01.01	Detail operating procedures for food quality.
	08.01.02	Detail operating procedures for food presentation.
	09.01.04	Read & comprehend recipes, operational manuals, inventory control sheets, menus, correspondence, training manuals, etc.
	10.01.02	Write English or required language.
	10.01.03	Exhibit pleasing appearance and hygiene.
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>

ELA.4.CE 4.1.4	Control standard English structures in a variety of contexts (e.g., formal speaking, academic prose, business, and public writing) using language carefully and precisely.
	01.01.08 Outline a plan for an effective job search
	01.01.09 Given a list of effective cover letter elements, write a cover letter
	01.01.11 Compile the best examples of their work into a portfolio
	01.01.12 Write a resume that lists their skills and competencies
	01.01.13 Read and complete a college application form
	01.01.14 Read and complete a job application form
	01.01.15 List the steps to an effective job interview
	01.01.16 Explain the follow-up steps for a job interview
	01.01.18 Outline the steps to resigning a job
	01.02.02 List the reasons and the ways to make a positive first impression in the foodservice industry
	06.01.01 Detail ways to achieve high rate of positive comments.
	06.01.02 Get regular feedback from guests and staff.
	08.01.01 Detail operating procedures for food quality.
	08.01.02 Detail operating procedures for food presentation.
	09.01.04 Read & comprehend recipes, operational manuals, inventory control sheets, menus, correspondence, training manuals, etc.
	10.01.02 Write English or required language.
	10.01.03 Exhibit pleasing appearance and hygiene.
	11.01.01 Detail ways to minimize staff turnover.
	11.01.02 Work well with other staff members.
	11.01.03 Conduct regular staff training.
	11.03.01 Conduct thorough orientation for new staff.
	11.03.02 Detail elements involved in new orientation.
	<b>27.05 Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
ELA.4.CE 4.1.5	Demonstrate use of conventions of grammar, usage, and mechanics in written texts, including parts of speech, sentence structure and variety, spelling, capitalization, and punctuation.
	01.01.08 Outline a plan for an effective job search
	01.01.09 Given a list of effective cover letter elements, write a cover letter
	01.01.11 Compile the best examples of their work into a portfolio
	01.01.12 Write a resume that lists their skills and competencies
	01.01.13 Read and complete a college application form
	01.01.14 Read and complete a job application form
	01.01.15 List the steps to an effective job interview
	01.01.16 Explain the follow-up steps for a job interview
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	08.01.01 Detail operating procedures for food quality.
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	10.01.02 Write English or required language.
	10.01.03 Exhibit pleasing appearance and hygiene.

**27.05 Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.**

**ELA.4.CE 4.2 Understand how language variety reflects and shapes experience.**

ELA.4.CE 4.2.1 Understand how languages and dialects are used to communicate effectively in different roles, under different circumstances, and among speakers of different speech communities (e.g., ethnic communities, social groups, professional organizations).

01.01.15 List the steps to an effective job interview

01.01.16 Explain the follow-up steps for a job interview

01.01.18 Outline the steps to resigning a job

01.02.02 List the reasons and the ways to make a positive first impression in the foodservice industry

01.09.01 Explain how stereotypes and prejudices can negatively affect how people work together

06.01.01 Detail ways to achieve high rate of positive comments.

06.01.02 Get regular feedback from guests and staff.

08.01.01 Detail operating procedures for food quality.

08.01.02 Detail operating procedures for food presentation.

09.01.04 Read & comprehend recipes, operational manuals, inventory control sheets, menus, correspondence, training manuals, etc.

10.01.02 Write English or required language.

10.01.03 Exhibit pleasing appearance and hygiene.

10.02.01 Identify common nonverbal cues exhibited by guests and employees.

11.01.01 Detail ways to minimize staff turnover.

11.01.02 Work well with other staff members.

11.01.03 Conduct regular staff training.

11.03.01 Conduct thorough orientation for new staff.

11.03.02 Detail elements involved in new orientation.

17.03.01 Speak and understand English or required language.

17.03.02 Present comfortable tone in speaking with people.

17.03.03 Identify verbal cues.

17.03.04 Communicate clearly and concisely to co-workers and others.

17.03.05 Explain messages conveyed by verbal behaviors.

17.06.01 Make a request of a guest/customer without confrontation.

17.06.02 Give directions to a frenzied, stressed, upset guest/customer without insult or conflict.

**27.05 Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.**

29.03.03 Demonstrate appropriate behaviors necessary to maintaining employment.

31.02.02 Summarize a problem clearly and in appropriate detail.

ELA.4.CE 4.2.2 Understand the implications and potential consequences of language use (e.g., appropriate professional speech; sexist, racist, homophobic language).

01.01.09 Given a list of effective cover letter elements, write a cover letter

01.01.11 Compile the best examples of their work into a portfolio

01.01.12 Write a resume that lists their skills and competencies

01.01.15 List the steps to an effective job interview

01.01.16 Explain the follow-up steps for a job interview

01.01.18 Outline the steps to resigning a job

01.02.02 List the reasons and the ways to make a positive first impression in the foodservice industry

	01.09.01	Explain how stereotypes and prejudices can negatively affect how people work together
	06.01.01	Detail ways to achieve high rate of positive comments.
	06.01.02	Get regular feedback from guests and staff.
	08.01.01	Detail operating procedures for food quality.
	08.01.02	Detail operating procedures for food presentation.
	09.01.04	Read & comprehend recipes, operational manuals, inventory control sheets, menus, correspondence, training manuals, etc.
	10.01.02	Write English or required language.
	10.01.03	Exhibit pleasing appearance and hygiene.
	10.02.01	Identify common nonverbal cues exhibited by guests and employees.
	11.01.01	Detail ways to minimize staff turnover.
	11.01.02	Work well with other staff members.
	11.01.03	Conduct regular staff training.
	11.03.01	Conduct thorough orientation for new staff.
	11.03.02	Detail elements involved in new orientation.
	17.03.01	Speak and understand English or required language.
	17.03.02	Present comfortable tone in speaking with people.
	17.03.03	Identify verbal cues.
	17.03.04	Communicate clearly and concisely to co-workers and others.
	17.03.05	Explain messages conveyed by verbal behaviors.
	17.06.01	Make a request of a guest/customer without confrontation.
	17.06.02	Give directions to a frenzied, stressed, upset guest/customer without insult or conflict.
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
	29.03.03	Demonstrate appropriate behaviors necessary to maintaining employment.
	31.02.02	Summarize a problem clearly and in appropriate detail.
ELA.4.CE 4.2.3		Recognize and appreciate language variety, understand that all dialects are rule-governed, and respect the linguistic differences of other speech communities.
	01.09.01	Explain how stereotypes and prejudices can negatively affect how people work together
	06.01.01	Detail ways to achieve high rate of positive comments.
	06.01.02	Get regular feedback from guests and staff.
	08.01.01	Detail operating procedures for food quality.
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	10.02.01	Identify common nonverbal cues exhibited by guests and employees.
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	11.01.03	Conduct regular staff training.
	11.03.01	Conduct thorough orientation for new staff.
	11.03.02	Detail elements involved in new orientation.
	17.03.01	Speak and understand English or required language.
	17.03.02	Present comfortable tone in speaking with people.
	17.03.03	Identify verbal cues.
	17.03.04	Communicate clearly and concisely to co-workers and others.
	17.03.05	Explain messages conveyed by verbal behaviors.

	17.06.01	Make a request of a guest/customer without confrontation.
	17.06.02	Give directions to a frenzied, stressed, upset guest/customer without insult or conflict.
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
	29.03.03	Demonstrate appropriate behaviors necessary to maintaining employment.
	31.02.02	Summarize a problem clearly and in appropriate detail.
ELA.4.CE 4.2.4		Understand the appropriate uses and implications of casual or informal versus professional language; understand, as well, the implications of language designed to control others and the detrimental effects of its use on targeted individuals or groups (e.g., propaganda, homophobic language, and racial, ethnic, or gender epithets).
	01.01.09	Given a list of effective cover letter elements, write a cover letter
	01.01.11	Compile the best examples of their work into a portfolio
	01.01.12	Write a resume that lists their skills and competencies
	01.01.15	List the steps to an effective job interview
	01.01.16	Explain the follow-up steps for a job interview
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	01.09.01	Explain how stereotypes and prejudices can negatively affect how people work together
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	10.01.03	Exhibit pleasing appearance and hygiene.
	10.02.01	Identify common nonverbal cues exhibited by guests and employees.
	11.01.01	Detail ways to minimize staff turnover.
	11.01.02	Work well with other staff members.
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	11.03.01	Conduct thorough orientation for new staff.
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	17.06.01	Make a request of a guest/customer without confrontation.
	17.06.02	Give directions to a frenzied, stressed, upset guest/customer without insult or conflict.
	<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
	29.03.03	Demonstrate appropriate behaviors necessary to maintaining employment.
	31.02.02	Summarize a problem clearly and in appropriate detail.
ELA.4.CE 4.2.5		Recognize language bias in one's community, school, textbooks, the public press, and in one's own use of language.



01.01.15	List the steps to an effective job interview
01.01.16	Explain the follow-up steps for a job interview
01.01.18	Outline the steps to resigning a job
01.02.02	List the reasons and the ways to make a positive first impression in the foodservice industry
01.09.01	Explain how stereotypes and prejudices can negatively affect how people work together
06.01.01	Detail ways to achieve high rate of positive comments.
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08.01.01	Detail operating procedures for food quality.
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10.02.01	Identify common nonverbal cues exhibited by guests and employees.
11.01.01	Detail ways to minimize staff turnover.
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11.01.03	Conduct regular staff training.
11.03.01	Conduct thorough orientation for new staff.
11.03.02	Detail elements involved in new orientation.
17.03.01	Speak and understand English or required language.
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17.03.03	Identify verbal cues.
17.03.04	Communicate clearly and concisely to co-workers and others.
17.03.05	Explain messages conveyed by verbal behaviors.
17.06.01	Make a request of a guest/customer without confrontation.
17.06.02	Give directions to a frenzied, stressed, upset guest/customer without insult or conflict.
<b>27.05</b>	<b>Develop a plan to market a new product, service, or concept which includes identifying of customers, a graphic presentation, product requirements, and costs.</b>
29.03.03	Demonstrate appropriate behaviors necessary to maintaining employment.

## **Geom**

### **Geom.L**

### **Geometry**

#### **Geom.1.L1.1**

#### **Number Systems and Number Sense**

##### Geom.1.L1.1.6

Explain the importance of the irrational numbers  $\sqrt{2}$  and  $\sqrt{3}$  in basic right triangle trigonometry, and the importance of  $\pi$  because of its role in circle relationships.

#### **Geom.1.L1.2**

#### **Representations and Relationships**

##### Geom.1.L1.2.3

Use vectors to represent quantities that have magnitude and direction, interpret direction and magnitude of a vector numerically, and calculate the sum and difference of two vectors.

#### **Geom.1.L2.3**

#### **Measurement Units, Calculations, and Scales**

##### Geom.1.L2.3.1

Convert units of measurement within and between systems; explain how arithmetic operations on measurements affect units, and carry units through calculations correctly.

#### **Geom.1.L3.1**

#### **Mathematical Reasoning**

Geom.1.L3.1.1	Distinguish between inductive and deductive reasoning, identifying and providing examples of each.
Geom.1.L3.1.2	Differentiate between statistical arguments (statements verified empirically using examples or data) and logical arguments based on the rules of logic.
Geom.1.L3.1.3	Define and explain the roles of axioms (postulates), definitions, theorems, counterexamples, and proofs in the logical structure of mathematics. Identify and give examples of each.
<b>Geom.1.L3.2</b>	<b>Language and Laws of Logic</b>
Geom.1.L3.2.1	Know and use the terms of basic logic.
Geom.1.L3.2.2	Use the connectives “not,” “and,” “or,” and “if..., then,” in mathematical and everyday settings. Know the truth table of each connective and how to logically negate statements involving these connectives.
Geom.1.L3.2.3	Use the quantifiers “there exists” and “all” in mathematical and everyday settings and know how to logically negate statements involving them.
Geom.1.L3.2.4	Write the converse, inverse, and contrapositive of an “If..., then...” statement. Use the fact, in mathematical and everyday settings, that the contrapositive is logically equivalent to the original while the inverse and converse are not.
<b>Geom.1.L3.3</b>	<b>Proof</b>
Geom.1.L3.3.1	Know the basic structure for the proof of an “If..., then...” statement (assuming the hypothesis and ending with the conclusion) and that proving the contrapositive is equivalent.
Geom.1.L3.3.2	Construct proofs by contradiction. Use counter-examples, when appropriate, to disprove a statement.
Geom.1.L3.3.3	Explain the difference between a necessary and a sufficient condition within the statement of a theorem. Determine the correct conclusions based on interpreting a theorem in which necessary or sufficient conditions in the theorem or hypothesis are satisfied.
<b>Geom.1.G1.1</b>	<b>Lines and Angles; Basic Euclidean and Coordinate Geometry</b>
Geom.3.G1.1.1	Solve multistep problems and construct proofs involving vertical angles, linear pairs of angles, supplementary angles, complementary angles, and right angles.
Geom.3.G1.1.2	Solve multistep problems and construct proofs involving corresponding angles, alternate interior angles, alternate exterior angles, and same-side (consecutive) interior angles.
Geom.3.G1.1.3	Perform and justify constructions, including midpoint of a line segment and bisector of an angle, using straightedge and compass.
Geom.3.G1.1.4	Given a line and a point, construct a line through the point that is parallel to the original line using straightedge and compass. Given a line and a point, construct a line through the point that is perpendicular to the original line. Justify the steps of the constructions.
Geom.3.G1.1.5	Given a line segment in terms of its endpoints in the coordinate plane, determine its length and midpoint.
Geom.3.G1.1.6	Recognize Euclidean geometry as an axiom system. Know the key axioms and understand the meaning of and distinguish between undefined terms, axioms, definitions, and theorems.

**Geom.3.G1.2      Triangles and Their Properties**

- Geom.3.G1.2.1      Prove that the angle sum of a triangle is  $180^\circ$  and that an exterior angle of a triangle is the sum of the two remote interior angles.
- Geom.3.G1.2.2      Construct and justify arguments and solve multistep problems involving angle measure, side length, perimeter, and area of all types of triangles.
- Geom.3.G1.2.3      Know a proof of the Pythagorean Theorem, and use the Pythagorean Theorem and its converse to solve multi-step problems.
- Geom.3.G1.2.4      Prove and use the relationships among the side lengths and the angles of  $30^\circ$ -  $60^\circ$ -  $90^\circ$  triangles and  $45^\circ$ -  $45^\circ$ -  $90^\circ$  triangles.
- Geom.3.G1.2.5      Solve multistep problems and construct proofs about the properties of medians, altitudes and perpendicular bisectors to the sides of a triangle, and the angle bisectors of a triangle. Using a straightedge and compass, construct these lines.

**Geom.3.G1.3      Triangles and Trigonometry**

- Geom.3.G1.3.1      Define the sine, cosine, and tangent of acute angles in a right triangle as ratios of sides. Solve problems about angles, side lengths, or areas using trigonometric ratios in right triangles.
- Geom.3.G1.3.2      Know and use the Law of Sines and the Law of Cosines and use them to solve problems. Find the area of a triangle with sides  $a$  and  $b$  and included angle  $\theta$  using the formula  $\text{Area} = (1/2) ab \sin \theta$ .
- Geom.3.G1.3.3      Determine the exact values of sine, cosine, and tangent for  $0^\circ$ ,  $30^\circ$ ,  $45^\circ$ ,  $60^\circ$ , and their integer multiples and apply in various contexts.

**Geom.3.G1.4      Quadrilaterals and Their Properties**

- Geom.3.G1.4.1      Solve multistep problems and construct proofs involving angle measure, side length, diagonal length, perimeter, and area of squares, rectangles, parallelograms, kites, and trapezoids.
- Geom.3.G1.4.2      Solve multistep problems and construct proofs involving quadrilaterals using Euclidean methods or coordinate geometry.
- Geom.3.G1.4.3      Describe and justify hierarchical relationships among quadrilaterals.
- Geom.3.G1.4.4      Prove theorems about the interior and exterior angle sums of a quadrilateral.

**Geom.3.G1.5      Other Polygons and Their Properties**

- Geom.3.G1.5.1      Know and use subdivision or circumscription methods to find areas of polygons.
- Geom.3.G1.5.2      Know, justify, and use formulas for the perimeter and area of a regular  $n$ -gon and formulas to find interior and exterior angles of a regular  $n$ -gon and their sums.

**Geom.3.G1.6      Circles and Their Properties**

- Geom.3.G1.6.1      Solve multistep problems involving circumference and area of circles.
- Geom.3.G1.6.2      Solve problems and justify arguments about chords and lines tangent to circles.
- Geom.3.G1.6.3      Solve problems and justify arguments about central angles, inscribed angles, and triangles in circles.

Geom.3.G1.6.4 Know and use properties of arcs and sectors, and find lengths of arcs and areas of sectors.

**Geom.3.G1.8 Three-dimensional Figures**

Geom.3.G1.8.1 Solve multistep problems involving surface area and volume of pyramids, prisms, cones, cylinders, hemispheres, and spheres.

Geom.3.G1.8.2 Identify symmetries of pyramids, prisms, cones, cylinders, hemispheres, and spheres.

**Geom.3.G2.1 Relationships Between Area and Volume Formulas**

Geom.3.G2.1.1 Know and demonstrate the relationships between the area formula of a triangle, the area formula of a parallelogram, and the area formula of a trapezoid.

Geom.3.G2.1.2 Know and demonstrate the relationships between the area formulas of various quadrilaterals.

Geom.3.G2.1.3 Know and use the relationship between the volumes of pyramids and prisms.

**Geom.3.G2.2 Relationships Between Two-dimensional and Three-dimensional Representations**

Geom.3.G2.2.1 Identify or sketch a possible three-dimensional figure, given two-dimensional views. Create a two-dimensional representation of a three-dimensional figure.

Geom.3.G2.2.2 Identify or sketch cross sections of three-dimensional figures. Identify or sketch solids formed by revolving two-dimensional figures around lines.

**Geom.3.G2.3 Congruence and Similarity**

Geom.3.G2.3.1 Prove that triangles are congruent using the SSS, SAS, ASA, and AAS criteria and that right triangles are congruent using the hypotenuse-leg criterion.

Geom.3.G2.3.2 Use theorems about congruent triangles to prove additional theorems and solve problems, with and without use of coordinates.

Geom.3.G2.3.3 Prove that triangles are similar by using SSS, SAS, and AA conditions for similarity.

Geom.3.G2.3.4 Use theorems about similar triangles to solve problems with and without use of coordinates.

Geom.3.G2.3.5 Know and apply the theorem stating that the effect of a scale factor of  $k$  relating one two-dimensional figure to another or one three-dimensional figure to another, on the length, area, and volume of the figures, is to multiply each by  $k$ ,  $k^2$ , and  $k^3$ , respectively.

**Geom.3.G3.1 Distance-preserving Transformations Isometries**

Geom.3.G3.1.1 Define reflection, rotation, translation, and glide reflection and find the image of a figure under a given isometry.

Geom.3.G3.1.2 Given two figures that are images of each other under an isometry, find the isometry and describe it completely.

Geom.3.G3.1.3 Find the image of a figure under the composition of two or more isometries and determine whether the resulting figure is a reflection, rotation, translation, or glide reflection image of the original figure.

**Geom.3.G3.2 Shape-preserving Transformations: Dilations and Isometries**

- Geom.3.G3.2.1 Know the definition of dilation and find the image of a figure under a given dilation.
- Geom.3.G3.2.2 Given two figures that are images of each other under some dilation, identify the center and magnitude of the dilation.

## **StatProb**

### **StaPro.S**

### **STATISTICS AND PROBABILITY**

#### **StaPro.4.S1**

#### **Exploring univariate and bivariate data**

- StaPro.4.S1.1 Given the mean, variance, and standard deviation of a data set, compute the mean, variance, and standard deviation if the data undergo a linear transformation.
- StaPro.4.S1.2 Compute and interpret the within-group and between-group variation when comparing two or more data sets.
- StaPro.4.S1.3 Compute residuals and use plots of residuals to assess the adequacy of a simple linear regression model.
- StaPro.4.S1.4 Identify influential points in a bivariate data set and predict and verify the effect of their removal on the least-squares line.
- StaPro.4.S1.5 When applicable, use logarithmic and power transformations to achieve linearity and use the transformed data to make predictions.
- StaPro.4.S1.6 Explore categorical data via contingency tables, computing and interpreting marginal, joint, and conditional relative frequencies and examining measures of association.

#### **StaPro.4.S2**

#### **Sampling and study design**

- StaPro.4.S2.1 Describe the strengths and weaknesses of sampling methods, including simple random sampling, stratified random sampling, convenience sampling, voluntary response, and cluster sampling. Recognize potential difficulties in implementing each method.
- StaPro.4.S2.2 Critically assess the validity of conclusions drawn from surveys such as political polls, recognizing possible biases such as size bias and non-response bias and understanding the role of question formulation.
- StaPro.4.S2.3 Know and recognize in context the concepts of treatment group, control group, and experimental unit and demonstrate the importance of doubleblind protocol, random assignment, experimental unit, and replication.
- StaPro.4.S2.4 Understand and describe how to implement completely randomized and randomized block designs (including matched-pair designs), recognizing when and how blocking can lower variability.

#### **StaPro.4.S3**

#### **Probability models**

- StaPro.4.S3.1 Know the subjective and relative frequency interpretations of probabilities, including an informal understanding of the law of large numbers.
- StaPro.4.S3.2 Use basic probability rules such as the addition rule, law of total probability, and complement rule to compute probabilities in a variety of models.

- StaPro.4.S3.3      Use Bayes' Theorem to solve conditional probability problems, with emphasis on the interpretation of results.
- StaPro.4.S3.4      Know the definition of random variable and be able to derive a discrete probability distribution based on the probability model of the original sample space.
- StaPro.4.S3.5      Compute the expected value and standard deviation of discrete random variables and know the effect of a linear transformation of a random variable on its mean and standard deviation.
- StaPro.4.S3.6      Apply standard discrete distributions, including the binomial, geometric, and hypergeometric.
- StaPro.4.S3.7      Know the definition of independence of two discrete random variables and use the joint distribution to determine whether two discrete random variables are independent.
- StaPro.4.S3.8      Use tables and technology to determine probabilities and percentiles of normal distributions.
- StaPro.4.S3.9      Use simulation methods to answer questions about probability models that are too complex for analytical treatment at this level, e.g., interacting particle system models.

**StaPro.4.S4      Sampling Distributions**

- StaPro.4.S4.1      Given the mean and standard deviation of each random variable in a set of random variables, compute the mean of the sum and, assuming independence, compute the variance and standard deviation of the sum.
- StaPro.4.S4.2      Know an informal statement of the Central Limit Theorem and understand its relevance to sampling distributions.
- StaPro.4.S4.3      Assuming a normal model or the applicability of the Central Limit Theorem, compute probabilities for the sample mean, including probabilities that are needed to compute p-values.
- StaPro.4.S4.4      Apply the (large sample) distribution of the sample proportion to compute probabilities for the sample proportion and know and use rules of thumb for the applicability of the large sample distribution.
- StaPro.4.S4.5      Assuming a normal model or the applicability of the Central Limit Theorem, derive a P% confidence interval for the mean under the assumption that the population standard deviation is known.
- StaPro.4.S4.6      Compute control limits for commonly used control charts and use these to assess whether a process is out of control.

**StaPro.4.S5      Point and interval estimation**

- StaPro.4.S5.1      Compute bias, variance, and mean squared error of estimators of the mean and proportion.
- StaPro.4.S5.2      Know the logic of confidence intervals, the meaning of confidence level, and the effect of changing sample size, confidence level, and variability on the width of the interval.
- StaPro.4.S5.3      Compute and interpret confidence intervals for one mean and for the difference between two means (in both the paired and unpaired setting) when the standard deviation is unknown, using the t distribution.
- StaPro.4.S5.4      Compute and interpret (large sample) confidence intervals for one proportion and the difference between two proportions using the normal distribution.

StaPro.4.S5.5	Compute the sample size required for a fixed confidence level and interval width for confidence intervals for means and proportions.
<b>StaPro.4.S6</b>	<b>Significance testing</b>
StaPro.4.S6.1	Know the terminology and logic of significance testing, including null and alternative hypotheses, p-value, Type I and Type II errors, and power.
StaPro.4.S6.2	Assuming a normal model and known standard deviation, carry out a significance test for a single mean, with emphasis on understanding the computation and interpretation of the p-value, and compute the power curve of a test.
StaPro.4.S6.3	Carry out (large sample) significance tests for one proportion and the difference of two proportions, with emphasis on proper interpretation of results.
StaPro.4.S6.4	Carry out significance tests for one mean and the difference of two means (paired and unpaired) using the t distribution, with emphasis on proper interpretation of results.
StaPro.4.S6.5	Carry out chi-squared significance tests of homogeneity, independence, and goodness-of-fit with emphasis on proper interpretation of results.
StaPro.4.S6.6	Assuming a normal model and known standard deviation, compute the sample size necessary to achieve a pre-specified power at a pre-specified value of the population mean.
StaPro.4.S6.7	Demonstrate, in the context of specific studies, the understanding that a result can be statistically significant while of insignificant practical importance and that a failure to reject a null hypothesis may be due to low power and does not necessarily imply the null hypothesis is true.
<b>StaPro.4.S7</b>	<b>Inference for regression</b>
StaPro.4.S7.1	Know the statistical model for regression, including linearity, normality of errors, and constancy of error variance.
StaPro.4.S7.2	Compute and interpret a confidence interval for the slope of a regression line using the t distribution.
StaPro.4.S7.3	Test hypotheses about the slope of a regression line, with emphasis on interpretation of results.
<b>StaPro.4.S8</b>	<b>Assessing assumptions of statistical models</b>
StaPro.4.S8.1	Demonstrate knowledge of the assumptions required for all of the inferential procedures (confidence intervals and significance tests).
StaPro.4.S8.2	In the context of specific studies, recognize aspects of study design that either support or offer evidence against required assumptions.
StaPro.4.S8.3	Demonstrate knowledge of the possible effects of incorrect assumptions (i.e., improperly specified models) on inferential procedures and of the robustness of inferential procedures to departures from specified assumptions.
StaPro.4.S8.4	Show in context an understanding that statistical models are approximations to reality and that care should be exercised in assigning too much precision to measures such as confidence levels or p-values.

## Cross Walk Summary

Subject	Items	Alignments		Standards	
		Headings	Standards	Aligned	Percent
6-8 Math	160	0 / 44	10 / 116	10	9
Alg1	76	0 / 16	1 / 60	1	2
Alg2	87	0 / 22	1 / 65	1	2
CES	7	1 / 3	1 / 4	1	25
ELA	106	0 / 14	71 / 92	71	77
Geom	74	0 / 18	0 / 56	0	0
StatProb	53	0 / 8	0 / 45	0	0