

<b>Culinary Operations 2</b>	<b>8515220</b>
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**Outcome # 12.0 IDENTIFY CAREERS AND JOB OPPORTUNITIES--THE STUDENT WILL BE ABLE TO:**

**Performance Task# 12.01 Identify duties and responsibilities in food services and hospitality.**

<b>SSS Strand: Reading</b>	<b>Essential Work Skills</b>
<p><b>LA.A 1.4.3 L</b> Refines vocabulary for interpersonal, academic, and workplace situations, including figurative, idiomatic, and technical meanings.</p>	<p><b>e09</b> Know how to decipher unfamiliar words using such strategies as context cues, word structure analysis, letter sound relationships, and word histories.</p> <p><b>e30</b> Understand the nature and purpose of and be able to word process a variety of formats including essays, business letters, memos, instructions, policy statements, technical proposals, user manuals, lab reports, etc.</p> <p><b>e49</b> Read for main idea first and then read for detail.</p>
<p><b>LA.A 2.4.1 H</b> Determines the main idea and identifies relevant details, methods of development, and their effectiveness in a variety of types of written materi</p>	<p><b>e15</b> Discriminate important ideas from unimportant ideas while reading.</p> <p><b>e24</b> Summarize, synthesize and organize information while reading.</p> <p><b>e46</b> Apply, extend, and expand on information while reading</p>
<p><b>LA.A 2.4.2 H</b> Determines the author's purpose and point of view and their effects on the text.</p>	<p><b>e77</b> Assess the significance and importance of the themes in a literary text.</p>
<p><b>LA.A 2.4.4 H</b> Locates, gathers, analyzes, and evaluates written information for a variety of purposes, including research projects, real-world tasks, and self-improvement.</p>	<p><b>e03</b> Gather information from a variety of sources, including electronic sources, and summarize, analyze, and evaluate its use for a report.</p>
<p><b>LA.A 2.4.6 L</b> Selects and uses appropriate study and research skills and tools according t the type of information being gathered or organized, including almanacs, government publications, microfiche, news sources, and information services.</p>	<p><b>e03</b> Gather information from a variety of sources, including electronic sources, and summarize, analyze, and evaluate its use for a report.</p>
<p><b>LA.A 2.4.7 H</b> Analyzes the validity and reliability of primary source information and use the information appropriately.</p>	<p><b>e03</b> Gather information from a variety of sources, including electronic sources, and summarize, analyze, and evaluate its use for a report.</p>

**Performance Task# 12.02 Identify career options and ways to achieve job advancement.**

<b>SSS Strand: Reading</b>	<b>Essential Work Skills</b>
<p><b>LA.A 1.4.3 L</b> Refines vocabulary for interpersonal, academic, and workplace situations, including figurative, idiomatic, and technical meanings.</p>	<p><b>e09</b> Know how to decipher unfamiliar words using such strategies as context cues, word structure analysis, letter sound relationships, and word histories.</p> <p><b>e30</b> Understand the nature and purpose of and be able to word process a variety of formats including essays, business letters, memos, instructions, policy statements, technical proposals, user manuals, lab reports, etc.</p> <p><b>e49</b> Read for main idea first and then read for detail.</p>
<p><b>LA.A 2.4.1 H</b> Determines the main idea and identifies relevant details, methods of development, and their effectiveness in a variety of types of written materi</p>	<p><b>e15</b> Discriminate important ideas from unimportant ideas while reading.</p> <p><b>e24</b> Summarize, synthesize and organize information while reading.</p> <p><b>e46</b> Apply, extend, and expand on information while reading</p>

<b>LA.A 2.4.2</b>	<b>H</b>	Determines the author's purpose and point of view and their effects on the text.	<b>e77</b>	Assess the significance and importance of the themes in a literary text.
<b>LA.A 2.4.4</b>	<b>H</b>	Locates, gathers, analyzes, and evaluates written information for a variety of purposes, including research projects, real-world tasks, and self-improvement.	<b>e03</b>	Gather information from a variety of sources, including electronic sources, and summarize, analyze, and evaluate its use for a report.
<b>LA.A 2.4.6</b>	<b>L</b>	Selects and uses appropriate study and research skills and tools according to the type of information being gathered or organized, including almanacs, government publications, microfiche, news sources, and information services.	<b>e03</b>	Gather information from a variety of sources, including electronic sources, and summarize, analyze, and evaluate its use for a report.
<b>LA.A 2.4.7</b>	<b>H</b>	Analyzes the validity and reliability of primary source information and use the information appropriately.	<b>e03</b>	Gather information from a variety of sources, including electronic sources, and summarize, analyze, and evaluate its use for a report.

## Outcome # 13.0 APPLY BASIC SKILLS

### Performance Task# 13.01 Exhibit an understanding of technical materials/resources.

<b>SSS Strand: Reading</b>		<b>Essential Work Skills</b>		
<b>LA.A 1.4.3</b>	<b>L</b>	Refines vocabulary for interpersonal, academic, and workplace situations, including figurative, idiomatic, and technical meanings.	<b>e09</b>	Know how to decipher unfamiliar words using such strategies as context cues, word structure analysis, letter sound relationships, and word histories.
			<b>e30</b>	Understand the nature and purpose of and be able to word process a variety of formats including essays, business letters, memos, instructions, policy statements, technical proposals, user manuals, lab reports, etc.
			<b>e49</b>	Read for main idea first and then read for detail.
<b>SSS Strand: Writing</b>		<b>Essential Work Skills</b>		
<b>LA.B 2.4.2</b>	<b>L</b>	Organizes information using appropriate systems.	<b>e12</b>	Draft a report that engages an audience and is concise, clear, well organized, accurate, and informative.
<b>SSS Strand: Number Sense, Concepts and Operations</b>		<b>Essential Work Skills</b>		
<b>MA.A 1.4.1</b>	<b>H</b>	Associates verbal names, written word names, and standard numerals with integers, rational numbers, irrational numbers, real numbers, and complex numbers.	<b>m19</b>	Understand the definitions and properties of rational and irrational numbers.
			<b>m60</b>	Understand the concept of the imaginary unit, $i$ , and know how to simplify square roots involving a negative radicand.
			<b>m61</b>	Understand the concepts recurrence relations and how they are applicable to such things as compound interest and annuity.
<b>MA.A 3.4.3</b>	<b>H</b>	Adds, subtracts, multiplies, and divides real numbers, including square roots and exponents, using appropriate methods of computing, such as mental mathematics, paper and pencil, and calculator.	<b>m01</b>	Perform operations with signed (positive and negative) numbers, including decimals, ratios, percents, and fractions.
			<b>m44</b>	Perform operations with radicals such as addition, subtraction, multiplication, and division of two or more irrational numbers and express as the square root of a positive integer or as the product of a rational number and the square root of a positive integer.
			<b>m62</b>	Understand the characteristics of algorithms and how they are used for finding the greatest common denominator of two numbers and the solutions of quadratic equations.
<b>SSS Strand: Measurement</b>		<b>Essential Work Skills</b>		

<b>MA.B 4.4.1</b>	<b>L</b>	Determines the level of accuracy and precision, including absolute and relative errors or tolerance, required in real-world measurement situations.	No Essential Work Skill
<b>MA.B 4.4.2</b>	<b>L</b>	Selects and uses appropriate instruments, technology, and techniques to measure quantities in order to achieve specified degrees of accuracy in a problem situation.	No Essential Work Skill
<b>Performance Task# 13.02 Demonstrate mathematics competencies related to the occupational task.</b>			
<b>SSS Strand: Reading</b>		<b>Essential Work Skills</b>	
<b>LA.A 1.4.3</b>	<b>L</b>	Refines vocabulary for interpersonal, academic, and workplace situations, including figurative, idiomatic, and technical meanings.	<b>e09</b> Know how to decipher unfamiliar words using such strategies as context cues, word structure analysis, letter sound relationships, and word histories.
			<b>e30</b> Understand the nature and purpose of and be able to word process a variety of formats including essays, business letters, memos, instructions, policy statements, technical proposals, user manuals, lab reports, etc.
			<b>e49</b> Read for main idea first and then read for detail.
<b>SSS Strand: Writing</b>		<b>Essential Work Skills</b>	
<b>LA.B 2.4.2</b>	<b>L</b>	Organizes information using appropriate systems.	<b>e12</b> Draft a report that engages an audience and is concise, clear, well organized, accurate, and informative.
<b>SSS Strand: Number Sense, Concepts and Operations</b>		<b>Essential Work Skills</b>	
<b>MA.A 1.4.1</b>	<b>H</b>	Associates verbal names, written word names, and standard numerals with integers, rational numbers, irrational numbers, real numbers, and complex numbers.	<b>m19</b> Understand the definitions and properties of rational and irrational numbers.
			<b>m60</b> Understand the concept of the imaginary unit, $i$ , and know how to simplify square roots involving a negative radicand.
			<b>m61</b> Understand the concepts recurrence relations and how they are applicable to such things as compound interest and annuity.
<b>MA.A 3.4.3</b>	<b>H</b>	Adds, subtracts, multiplies, and divides real numbers, including square root and exponents, using appropriate methods of computing, such as mental mathematics, paper and pencil, and calculator.	<b>m01</b> Perform operations with signed (positive and negative) numbers, including decimals, ratios, percents, and fractions.
			<b>m44</b> Perform operations with radicals such as addition, subtraction, multiplication, and division of two or more irrational numbers and express as the square root of a positive integer or as the product of a rational number and the square root of a positive integer.
			<b>m62</b> Understand the characteristics of algorithms and how they are used for finding the greatest common denominator of two numbers and the solutions of quadratic equations.
<b>SSS Strand: Measurement</b>		<b>Essential Work Skills</b>	
<b>MA.B 4.4.1</b>	<b>L</b>	Determines the level of accuracy and precision, including absolute and relative errors or tolerance, required in real-world measurement situations.	No Essential Work Skill
<b>MA.B 4.4.2</b>	<b>L</b>	Selects and uses appropriate instruments, technology, and techniques to measure quantities in order to achieve specified degrees of accuracy in a problem situation.	No Essential Work Skill

**Outcome # 14.0 DEMONSTRATE PERSONAL PRODUCTIVITY--THE STUDENT WILL BE ABLE TO:**

**Performance Task# 14.01 Respond to the needs of a culturally diverse workplace.**

<b>SSS Strand: Reading</b>		<b>Essential Work Skills</b>	
<b>LA.A 2.4.4</b>	<b>H</b> Locates, gathers, analyzes, and evaluates written information for a variety of purposes, including research projects, real-world tasks, and self-improvement.	<b>e03</b>	Gather information from a variety of sources, including electronic sources, and summarize, analyze, and evaluate its use for a report.
<b>SSS Strand: Language</b>		<b>Essential Work Skills</b>	
<b>LA.D 1.4.1</b>	<b>L</b> Applies an understanding that language and literature are primary means by which culture is transmitted.	<b>e23</b>	Understand the personal, social, cultural and historical significance of a text.
<b>LA.D 1.4.2</b>	<b>L</b> Makes appropriate adjustments in language use for social, academic, and life situations, demonstrating sensitivity to gender and cultural bias.	<b>e27</b>	Define a position on a controversial topic and write a persuasive essay or make an oral presentation likely to persuade a specific audience to change an opinion or take a particular action.
<b>LA.D 1.4.3</b>	<b>L</b> Understands that there are differences among various dialects of English.		No Essential Work Skill
<b>SSS Strand: Data Analysis and Probability</b>		<b>Essential Work Skills</b>	
<b>MA.E 1.4.1</b>	<b>H</b> Interprets data that has been collected, organized, and displayed in charts, tables, and plots.	<b>m05</b>	Understand the best procedures for statistical data collection, organization, and display including making estimates and predictions and drawing inferences.
		<b>m36</b>	Understand the characteristics of measures of dispersion (i.e., range, mean deviation, variance, and standard deviation).
		<b>m42</b>	Understand the concepts and applications of quartiles (i.e., distributing groups into four equal frequencies) and percentiles (i.e., distributing individuals into one hundred groups of equal frequency).
<b>MA.E 1.4.3</b>	<b>H</b> Analyzes real-world data and makes predictions of larger populations by applying formulas to calculate measures of central tendency and dispersion using the sample population data, and using appropriate technology, including calculators and computers.	<b>m36</b>	Understand the characteristics of measures of dispersion (i.e., range, mean deviation, variance, and standard deviation).
		<b>m42</b>	Understand the concepts and applications of quartiles (i.e., distributing groups into four equal frequencies) and percentiles (i.e., distributing individuals into one hundred groups of equal frequency).
<b>SSS Strand: The Nature of Science</b>		<b>Essential Work Skills</b>	
<b>SC.H 1.4.1</b>	<b>H</b> Knows that investigations are conducted to explore new phenomena, to check on previous results, to test how well a theory predicts, and to compare different theories.	<b>s114</b>	(Not Ranked) Know and apply the principles of scientific inquiry. (Implicit in this statement are the processes of prediction, estimation, developing hypotheses, drawing conclusions, evaluation, and following ethical principles and professional procedures
<b>SC.H 1.4.2</b>	<b>M</b> Knows that from time to time, major shifts occur in the scientific view of how the world works, but that more often the changes that take place in the body of scientific knowledge are small modifications of prior knowledge.	<b>s116</b>	(Not Ranked) Understand the impact upon society and the environment of scientific and technological discoveries and the contributions of scientists. Understand how society may accept or reject scientific discoveries based upon need or refusal to change.
<b>SC.H 1.4.3</b>	<b>M</b> Understands that no matter how well one theory fits observations, a new theory might fit them as well or better, or might fit a wider range of observations, because in science, the testing, revising, and occasional discarding of theories, new and old, never ends and leads to an increasingly better understanding of how things work in the world, but not to absolute truth.	<b>s114</b>	(Not Ranked) Know and apply the principles of scientific inquiry. (Implicit in this statement are the processes of prediction, estimation, developing hypotheses, drawing conclusions, evaluation, and following ethical principles and professional procedures
<b>SC.H 1.4.4</b>	<b>M</b> Knows that scientists in any one research group tend to see things alike and that therefore scientific teams are expected to seek out the possible sources of bias in the design of their investigations and in their data analysis.	<b>s114</b>	(Not Ranked) Know and apply the principles of scientific inquiry. (Implicit in this statement are the processes of prediction, estimation, developing hypotheses, drawing conclusions, evaluation, and following ethical principles and professional procedures

<b>SC.H 1.4.5</b>	<b>M</b>	Understands that new ideas in science are limited by the context in which they are conceived, are often rejected by the scientific establishment, sometimes spring from unexpected findings, and usually grow slowly from many contributors.	<b>s116</b>	(Not Ranked) Understand the impact upon society and the environment of scientific and technological discoveries and the contributions of scientists. Understand how society may accept or reject scientific discoveries based upon need or refusal to change.
<b>SC.H 1.4.6</b>	<b>M</b>	Understands that in the short run, new ideas that do not mesh well with mainstream ideas in science often encounter vigorous criticism and that in the long run, theories are judged by how they fit with other theories, the range of observations they explain, how well they explain observations, and how effective they are in predicting new findings.	<b>s116</b>	(Not Ranked) Understand the impact upon society and the environment of scientific and technological discoveries and the contributions of scientists. Understand how society may accept or reject scientific discoveries based upon need or refusal to change.
<b>SC.H 1.4.7</b>	<b>M</b>	Understands the importance of a sense of responsibility, a commitment to peer review, truthful reporting of the methods and outcomes of investigations, and making the public aware of the findings.	<b>s114</b>	(Not Ranked) Know and apply the principles of scientific inquiry. (Implicit in this statement are the processes of prediction, estimation, developing hypotheses, drawing conclusions, evaluation, and following ethical principles and professional procedures

**Performance Task# 14.02 Apply techniques of evaluation for continuous improvement.**

<b>SSS Strand: Reading</b>		<b>Essential Work Skills</b>		
<b>LA.A 2.4.4</b>	<b>H</b>	Locates, gathers, analyzes, and evaluates written information for a variety of purposes, including research projects, real-world tasks, and self-improvement.	<b>e03</b>	Gather information from a variety of sources, including electronic sources, and summarize, analyze, and evaluate its use for a report.
<b>SSS Strand: Language</b>		<b>Essential Work Skills</b>		
<b>LA.D 1.4.1</b>	<b>L</b>	Applies an understanding that language and literature are primary means by which culture is transmitted.	<b>e23</b>	Understand the personal, social, cultural and historical significance of a text.
<b>LA.D 1.4.2</b>	<b>L</b>	Makes appropriate adjustments in language use for social, academic, and life situations, demonstrating sensitivity to gender and cultural bias.	<b>e27</b>	Define a position on a controversial topic and write a persuasive essay or make an oral presentation likely to persuade a specific audience to change an opinion or take a particular action.
<b>LA.D 1.4.3</b>	<b>L</b>	Understands that there are differences among various dialects of English.		No Essential Work Skill
<b>SSS Strand: Data Analysis and Probability</b>		<b>Essential Work Skills</b>		
<b>MA.E 1.4.1</b>	<b>H</b>	Interprets data that has been collected, organized, and displayed in charts, tables, and plots.	<b>m05</b>	Understand the best procedures for statistical data collection, organization, and display including making estimates and predictions and drawing inferences.
			<b>m36</b>	Understand the characteristics of measures of dispersion (i.e., range, mean deviation, variance, and standard deviation).
			<b>m42</b>	Understand the concepts and applications of quartiles (i.e., distributing groups into four equal frequencies) and percentiles (i. e., distributing individuals into one hundred groups of equal frequency).
<b>MA.E 1.4.2</b>	<b>H</b>	Calculates measures of central tendency (mean, median, and mode) and dispersion (range, standard deviation, and variance) for complex sets of data and determines the most meaningful measure to describe the data.	<b>m36</b>	Understand the characteristics of measures of dispersion (i.e., range, mean deviation, variance, and standard deviation).
			<b>m42</b>	Understand the concepts and applications of quartiles (i.e., distributing groups into four equal frequencies) and percentiles (i. e., distributing individuals into one hundred groups of equal frequency).
<b>MA.E 1.4.3</b>	<b>H</b>	Analyzes real-world data and makes predictions of larger populations by applying formulas to calculate measures of central tendency and dispersion using the sample population data, and using appropriate technology, including calculators and computers.	<b>m36</b>	Understand the characteristics of measures of dispersion (i.e., range, mean deviation, variance, and standard deviation).
			<b>m42</b>	Understand the concepts and applications of quartiles (i.e., distributing groups into four equal frequencies) and percentiles (i. e., distributing individuals into one hundred groups of equal frequency).

<b>SSS Strand: The Nature of Science</b>		<b>Essential Work Skills</b>	
<b>SC.H 1.4.1</b>	<b>H</b> Knows that investigations are conducted to explore new phenomena, to check on previous results, to test how well a theory predicts, and to compare different theories.	<b>s114</b>	(Not Ranked) Know and apply the principles of scientific inquiry. (Implicit in this statement are the processes of prediction, estimation, developing hypotheses, drawing conclusions, evaluation, and following ethical principles and professional procedures
<b>SC.H 1.4.2</b>	<b>M</b> Knows that from time to time, major shifts occur in the scientific view of how the world works, but that more often the changes that take place in the body of scientific knowledge are small modifications of prior knowledge.	<b>s116</b>	(Not Ranked) Understand the impact upon society and the environment of scientific and technological discoveries and the contributions of scientists. Understand how society may accept or reject scientific discoveries based upon need or refusal to change.
<b>SC.H 1.4.3</b>	<b>M</b> Understands that no matter how well one theory fits observations, a new theory might fit them as well or better, or might fit a wider range of observations, because in science, the testing, revising, and occasional discarding of theories, new and old, never ends and leads to an increasingly better understanding of how things work in the world, but not to absolute truth.	<b>s114</b>	(Not Ranked) Know and apply the principles of scientific inquiry. (Implicit in this statement are the processes of prediction, estimation, developing hypotheses, drawing conclusions, evaluation, and following ethical principles and professional procedures
<b>SC.H 1.4.4</b>	<b>M</b> Knows that scientists in any one research group tend to see things alike and that therefore scientific teams are expected to seek out the possible sources of bias in the design of their investigations and in their data analysis.	<b>s114</b>	(Not Ranked) Know and apply the principles of scientific inquiry. (Implicit in this statement are the processes of prediction, estimation, developing hypotheses, drawing conclusions, evaluation, and following ethical principles and professional procedures
<b>SC.H 1.4.5</b>	<b>M</b> Understands that new ideas in science are limited by the context in which they are conceived, are often rejected by the scientific establishment, sometimes spring from unexpected findings, and usually grow slowly from many contributors.	<b>s116</b>	(Not Ranked) Understand the impact upon society and the environment of scientific and technological discoveries and the contributions of scientists. Understand how society may accept or reject scientific discoveries based upon need or refusal to change.
<b>SC.H 1.4.6</b>	<b>M</b> Understands that in the short run, new ideas that do not mesh well with mainstream ideas in science often encounter vigorous criticism and that in the long run, theories are judged by how they fit with other theories, the range of observations they explain, how well they explain observations, and how effective they are in predicting new findings.	<b>s116</b>	(Not Ranked) Understand the impact upon society and the environment of scientific and technological discoveries and the contributions of scientists. Understand how society may accept or reject scientific discoveries based upon need or refusal to change.
<b>SC.H 1.4.7</b>	<b>M</b> Understands the importance of a sense of responsibility, a commitment to peer review, truthful reporting of the methods and outcomes of investigations, and making the public aware of the findings.	<b>s114</b>	(Not Ranked) Know and apply the principles of scientific inquiry. (Implicit in this statement are the processes of prediction, estimation, developing hypotheses, drawing conclusions, evaluation, and following ethical principles and professional procedures

**Performance Task# 14.03 Demonstrate problem solving.**

<b>SSS Strand: Reading</b>		<b>Essential Work Skills</b>	
<b>LA.A 2.4.4</b>	<b>H</b> Locates, gathers, analyzes, and evaluates written information for a variety of purposes, including research projects, real-world tasks, and self-improvement.	<b>e03</b>	Gather information from a variety of sources, including electronic sources, and summarize, analyze, and evaluate its use for a report.
<b>SSS Strand: Language</b>		<b>Essential Work Skills</b>	
<b>LA.D 1.4.1</b>	<b>L</b> Applies an understanding that language and literature are primary means by which culture is transmitted.	<b>e23</b>	Understand the personal, social, cultural and historical significance of a text.
<b>LA.D 1.4.2</b>	<b>L</b> Makes appropriate adjustments in language use for social, academic, and life situations, demonstrating sensitivity to gender and cultural bias.	<b>e27</b>	Define a position on a controversial topic and write a persuasive essay or make an oral presentation likely to persuade a specific audience to change an opinion or take a particular action.
<b>LA.D 1.4.3</b>	<b>L</b> Understands that there are differences among various dialects of English.		No Essential Work Skill
<b>SSS Strand: Data Analysis and Probability</b>		<b>Essential Work Skills</b>	

<b>MA.E 1.4.1</b>	<b>H</b>	Interprets data that has been collected, organized, and displayed in charts, tables, and plots.	<b>m05</b>	Understand the best procedures for statistical data collection, organization, and display including making estimates and predictions and drawing inferences.
			<b>m36</b>	Understand the characteristics of measures of dispersion (i.e., range, mean deviation, variance, and standard deviation).
			<b>m42</b>	Understand the concepts and applications of quartiles (i.e., distributing groups into four equal frequencies) and percentiles (i. e., distributing individuals into one hundred groups of equal frequency).
<b>MA.E 1.4.3</b>	<b>H</b>	Analyzes real-world data and makes predictions of larger populations by applying formulas to calculate measures of central tendency and dispersion using the sample population data, and using appropriate technology, including calculators and computers.	<b>m36</b>	Understand the characteristics of measures of dispersion (i.e., range, mean deviation, variance, and standard deviation).
			<b>m42</b>	Understand the concepts and applications of quartiles (i.e., distributing groups into four equal frequencies) and percentiles (i. e., distributing individuals into one hundred groups of equal frequency).
<b>SSS Strand: The Nature of Science</b>			<b>Essential Work Skills</b>	
<b>SC.H 1.4.1</b>	<b>H</b>	Knows that investigations are conducted to explore new phenomena, to check on previous results, to test how well a theory predicts, and to compare different theories.	<b>s114</b>	(Not Ranked) Know and apply the principles of scientific inquiry. (Implicit in this statement are the processes of prediction, estimation, developing hypotheses, drawing conclusions, evaluation, and following ethical principles and professional procedures
<b>SC.H 1.4.2</b>	<b>M</b>	Knows that from time to time, major shifts occur in the scientific view of how the world works, but that more often the changes that take place in the body of scientific knowledge are small modifications of prior knowledge.	<b>s116</b>	(Not Ranked) Understand the impact upon society and the environment of scientific and technological discoveries and the contributions of scientists. Understand how society may accept or reject scientific discoveries based upon need or refusal to change.
<b>SC.H 1.4.3</b>	<b>M</b>	Understands that no matter how well one theory fits observations, a new theory might fit them as well or better, or might fit a wider range of observations, because in science, the testing, revising, and occasional discarding of theories, new and old, never ends and leads to an increasingly better understanding of how things work in the world, but not to absolute truth.	<b>s114</b>	(Not Ranked) Know and apply the principles of scientific inquiry. (Implicit in this statement are the processes of prediction, estimation, developing hypotheses, drawing conclusions, evaluation, and following ethical principles and professional procedures
<b>SC.H 1.4.4</b>	<b>M</b>	Knows that scientists in any one research group tend to see things alike and that therefore scientific teams are expected to seek out the possible sources of bias in the design of their investigations and in their data analysis.	<b>s114</b>	(Not Ranked) Know and apply the principles of scientific inquiry. (Implicit in this statement are the processes of prediction, estimation, developing hypotheses, drawing conclusions, evaluation, and following ethical principles and professional procedures
<b>SC.H 1.4.5</b>	<b>M</b>	Understands that new ideas in science are limited by the context in which they are conceived, are often rejected by the scientific establishment, sometimes spring from unexpected findings, and usually grow slowly from many contributors.	<b>s116</b>	(Not Ranked) Understand the impact upon society and the environment of scientific and technological discoveries and the contributions of scientists. Understand how society may accept or reject scientific discoveries based upon need or refusal to change.
<b>SC.H 1.4.6</b>	<b>M</b>	Understands that in the short run, new ideas that do not mesh well with mainstream ideas in science often encounter vigorous criticism and that in the long run, theories are judged by how they fit with other theories, the range of observations they explain, how well they explain observations, and how effective they are in predicting new findings.	<b>s116</b>	(Not Ranked) Understand the impact upon society and the environment of scientific and technological discoveries and the contributions of scientists. Understand how society may accept or reject scientific discoveries based upon need or refusal to change.
<b>SC.H 1.4.7</b>	<b>M</b>	Understands the importance of a sense of responsibility, a commitment to peer review, truthful reporting of the methods and outcomes of investigations, and making the public aware of the findings.	<b>s114</b>	(Not Ranked) Know and apply the principles of scientific inquiry. (Implicit in this statement are the processes of prediction, estimation, developing hypotheses, drawing conclusions, evaluation, and following ethical principles and professional procedures
<b>Performance Task# 14.04 Use critical thinking strategies.</b>				

SSS Strand: Reading		Essential Work Skills
LA.A 2.4.4	H Locates, gathers, analyzes, and evaluates written information for a variety of purposes, including research projects, real-world tasks, and self-improvement.	e03 Gather information from a variety of sources, including electronic sources, and summarize, analyze, and evaluate its use for a report.
SSS Strand: Language		Essential Work Skills
LA.D 1.4.1	L Applies an understanding that language and literature are primary means by which culture is transmitted.	e23 Understand the personal, social, cultural and historical significance of a text.
LA.D 1.4.2	L Makes appropriate adjustments in language use for social, academic, and life situations, demonstrating sensitivity to gender and cultural bias.	e27 Define a position on a controversial topic and write a persuasive essay or make an oral presentation likely to persuade a specific audience to change an opinion or take a particular action.
LA.D 1.4.3	L Understands that there are differences among various dialects of English.	No Essential Work Skill
SSS Strand: Data Analysis and Probability		Essential Work Skills
MA.E 1.4.1	H Interprets data that has been collected, organized, and displayed in charts, tables, and plots.	m05 Understand the best procedures for statistical data collection, organization, and display including making estimates and predictions and drawing inferences.
		m36 Understand the characteristics of measures of dispersion (i.e., range, mean deviation, variance, and standard deviation).
		m42 Understand the concepts and applications of quartiles (i.e., distributing groups into four equal frequencies) and percentiles (i. e., distributing individuals into one hundred groups of equal frequency).
MA.E 1.4.3	H Analyzes real-world data and makes predictions of larger populations by applying formulas to calculate measures of central tendency and dispersion using the sample population data, and using appropriate technology, including calculators and computers.	m36 Understand the characteristics of measures of dispersion (i.e., range, mean deviation, variance, and standard deviation).
		m42 Understand the concepts and applications of quartiles (i.e., distributing groups into four equal frequencies) and percentiles (i. e., distributing individuals into one hundred groups of equal frequency).
SSS Strand: The Nature of Science		Essential Work Skills
SC.H 1.4.1	H Knows that investigations are conducted to explore new phenomena, to check on previous results, to test how well a theory predicts, and to compare different theories.	s114 (Not Ranked) Know and apply the principles of scientific inquiry. (Implicit in this statement are the processes of prediction, estimation, developing hypotheses, drawing conclusions, evaluation, and following ethical principles and professional procedures
SC.H 1.4.2	M Knows that from time to time, major shifts occur in the scientific view of how the world works, but that more often the changes that take place in the body of scientific knowledge are small modifications of prior knowledge.	s116 (Not Ranked) Understand the impact upon society and the environment of scientific and technological discoveries and the contributions of scientists. Understand how society may accept or reject scientific discoveries based upon need or refusal to change.
SC.H 1.4.3	M Understands that no matter how well one theory fits observations, a new theory might fit them as well or better, or might fit a wider range of observations, because in science, the testing, revising, and occasional discarding of theories, new and old, never ends and leads to an increasingly better understanding of how things work in the world, but not to absolute truth.	s114 (Not Ranked) Know and apply the principles of scientific inquiry. (Implicit in this statement are the processes of prediction, estimation, developing hypotheses, drawing conclusions, evaluation, and following ethical principles and professional procedures
SC.H 1.4.4	M Knows that scientists in any one research group tend to see things alike and that therefore scientific teams are expected to seek out the possible sources of bias in the design of their investigations and in their data analysis.	s114 (Not Ranked) Know and apply the principles of scientific inquiry. (Implicit in this statement are the processes of prediction, estimation, developing hypotheses, drawing conclusions, evaluation, and following ethical principles and professional procedures
SC.H 1.4.5	M Understands that new ideas in science are limited by the context in which they are conceived, are often rejected by the scientific establishment, sometimes spring from unexpected findings, and usually grow slowly from many contributors.	s116 (Not Ranked) Understand the impact upon society and the environment of scientific and technological discoveries and the contributions of scientists. Understand how society may accept or reject scientific discoveries based upon need or refusal to change.

<b>SC.H 1.4.6</b>	<b>M</b>	Understands that in the short run, new ideas that do not mesh well with mainstream ideas in science often encounter vigorous criticism and that in the long run, theories are judged by how they fit with other theories, the range of observations they explain, how well they explain observations, and how effective they are in predicting new findings.	<b>s116</b>	(Not Ranked) Understand the impact upon society and the environment of scientific and technological discoveries and the contributions of scientists. Understand how society may accept or reject scientific discoveries based upon need or refusal to change.
<b>SC.H 1.4.7</b>	<b>M</b>	Understands the importance of a sense of responsibility, a commitment to peer review, truthful reporting of the methods and outcomes of investigations, and making the public aware of the findings.	<b>s114</b>	(Not Ranked) Know and apply the principles of scientific inquiry. (Implicit in this statement are the processes of prediction, estimation, developing hypotheses, drawing conclusions, evaluation, and following ethical principles and professional procedures

**Outcome # 15.0 EXHIBIT SAFE, SECURE, AND SANITARY WORK PROCEDURES--THE STUDENT WILL BE ABLE TO:**

**Performance Task# 15.01 Follow federal, state, and local sanitation and safety codes.**

<b>SSS Strand: Reading</b>		<b>Essential Work Skills</b>		
<b>LA.A 2.4.4</b>	<b>H</b>	Locates, gathers, analyzes, and evaluates written information for a variety of purposes, including research projects, real-world tasks, and self-improvement.	<b>e03</b>	Gather information from a variety of sources, including electronic sources, and summarize, analyze, and evaluate its use for a report.
<b>LA.A 2.4.6</b>	<b>L</b>	Selects and uses appropriate study and research skills and tools according to the type of information being gathered or organized, including almanacs, government publications, microfiche, news sources, and information services.	<b>e03</b>	Gather information from a variety of sources, including electronic sources, and summarize, analyze, and evaluate its use for a report.

**Outcome # 16.0 UTILIZE OPERATIONAL SYSTEMS--THE STUDENT WILL BE ABLE TO:**

**Performance Task# 16.01 Perform time management techniques.**

<b>SSS Strand: Reading</b>		<b>Essential Work Skills</b>		
<b>LA.A 1.4.3</b>	<b>L</b>	Refines vocabulary for interpersonal, academic, and workplace situations, including figurative, idiomatic, and technical meanings.	<b>e09</b>	Know how to decipher unfamiliar words using such strategies as context cues, word structure analysis, letter sound relationships, and word histories.
			<b>e30</b>	Understand the nature and purpose of and be able to word process a variety of formats including essays, business letters, memos, instructions, policy statements, technical proposals, user manuals, lab reports, etc.
			<b>e49</b>	Read for main idea first and then read for detail.

<b>SSS Strand: Number Sense, Concepts and Operations</b>		<b>Essential Work Skills</b>		
<b>MA.A 2.4.2</b>	<b>H</b>	Understands and uses the real number system.	<b>m19</b>	Understand the definitions and properties of rational and irrational numbers.
<b>MA.A 3.4.3</b>	<b>H</b>	Adds, subtracts, multiplies, and divides real numbers, including square root and exponents, using appropriate methods of computing, such as mental mathematics, paper and pencil, and calculator.	<b>m01</b>	Perform operations with signed (positive and negative) numbers, including decimals, ratios, percents, and fractions.
			<b>m44</b>	Perform operations with radicals such as addition, subtraction, multiplication, and division of two or more irrational numbers and express as the square root of a positive integer or as the product of a rational number and the square root of a positive integer.

		<b>m62</b>	Understand the characteristics of algorithms and how they are used for finding the greatest common denominator of two numbers and the solutions of quadratic equations.
<b>SSS Strand: Measurement</b>		<b>Essential Work Skills</b>	
<b>MA.B 4.4.2</b>	<b>L</b>	Selects and uses appropriate instruments, technology, and techniques to measure quantities in order to achieve specified degrees of accuracy in a problem situation.	No Essential Work Skill
<b>Performance Task# 16.02 Operate within purchasing, inventory, portion control, and costing procedures.</b>			
<b>SSS Strand: Reading</b>		<b>Essential Work Skills</b>	
<b>LA.A 1.4.3</b>	<b>L</b>	Refines vocabulary for interpersonal, academic, and workplace situations, including figurative, idiomatic, and technical meanings.	<b>e09</b> Know how to decipher unfamiliar words using such strategies as context cues, word structure analysis, letter sound relationships, and word histories.
		<b>e30</b>	Understand the nature and purpose of and be able to word process a variety of formats including essays, business letters, memos, instructions, policy statements, technical proposals, user manuals, lab reports, etc.
		<b>e49</b>	Read for main idea first and then read for detail.
<b>SSS Strand: Number Sense, Concepts and Operations</b>		<b>Essential Work Skills</b>	
<b>MA.A 2.4.2</b>	<b>H</b>	Understands and uses the real number system.	<b>m19</b> Understand the definitions and properties of rational and irrational numbers.
<b>MA.A 3.4.3</b>	<b>H</b>	Adds, subtracts, multiplies, and divides real numbers, including square root and exponents, using appropriate methods of computing, such as mental mathematics, paper and pencil, and calculator.	<b>m01</b> Perform operations with signed (positive and negative) numbers, including decimals, ratios, percents, and fractions.
		<b>m44</b>	Perform operations with radicals such as addition, subtraction, multiplication, and division of two or more irrational numbers and express as the square root of a positive integer or as the product of a rational number and the square root of a positive integer.
		<b>m62</b>	Understand the characteristics of algorithms and how they are used for finding the greatest common denominator of two numbers and the solutions of quadratic equations.
<b>SSS Strand: Measurement</b>		<b>Essential Work Skills</b>	
<b>MA.B 4.4.2</b>	<b>L</b>	Selects and uses appropriate instruments, technology, and techniques to measure quantities in order to achieve specified degrees of accuracy in a problem situation.	No Essential Work Skill
<b>Outcome # 17.0 USE RECIPES--THE STUDENT WILL BE ABLE TO:</b>			
<b>Performance Task# 17.01 Modify standardized recipes.</b>			
<b>SSS Strand: Reading</b>		<b>Essential Work Skills</b>	
<b>LA.A 1.4.2</b>	<b>H</b>	Selects and uses strategies to understand words and text, and to make and confirm inferences from what is read, including interpreting diagrams, graphs, and statistical illustrations.	<b>e50</b> Understand and use a variety of organizational formats such as compare/contrast, cause/effect, inductive/deductive, most important to least important, and least important to most important.

		<b>e53</b>	Apply personal or objective criteria for evaluating informational, persuasive and literary materials.
<b>SSS Strand: Number Sense, Concepts and Operations</b>		<b>Essential Work Skills</b>	
<b>MA.A 3.4.3</b>	<b>H</b>	Adds, subtracts, multiplies, and divides real numbers, including square roots and exponents, using appropriate methods of computing, such as mental mathematics, paper and pencil, and calculator.	<b>m01</b> Perform operations with signed (positive and negative) numbers, including decimals, ratios, percents, and fractions.  <b>m44</b> Perform operations with radicals such as addition, subtraction, multiplication, and division of two or more irrational numbers and express as the square root of a positive integer or as the product of a rational number and the square root of a positive integer.
		<b>m62</b>	Understand the characteristics of algorithms and how they are used for finding the greatest common denominator of two numbers and the solutions of quadratic equations.
<b>SSS Strand: Measurement</b>		<b>Essential Work Skills</b>	
<b>MA.B 4.4.2</b>	<b>L</b>	Selects and uses appropriate instruments, technology, and techniques to measure quantities in order to achieve specified degrees of accuracy in a problem situation.	No Essential Work Skill
<b>SSS Strand: The Nature of Matter</b>		<b>Essential Work Skills</b>	
<b>SC.A 1.4.1</b>	<b>M</b>	Knows that the electron configuration in atoms determines how a substance reacts and how much energy is involved in its reactions.	<b>s78</b> Understand the historical development of the periodic table and apply the principles inherent in its development, including the properties and atomic structure of elements and resultant chemical compounds the forces acting between and among atoms and molecules, and changes in substances as a result of chemical combination.
<b>SC.A 1.4.2</b>	<b>M</b>	Knows that the vast diversity of the properties of materials is primarily due to variations in the forces that hold molecules together.	<b>s78</b> Understand the historical development of the periodic table and apply the principles inherent in its development, including the properties and atomic structure of elements and resultant chemical compounds the forces acting between and among atoms and molecules, and changes in substances as a result of chemical combination.
<b>SC.A 1.4.3</b>	<b>M</b>	Knows that a change from one phase of matter to another involves a gain or loss of energy.	<b>s57</b> Understand physical/chemical change (e.g., change of phase between gases, liquids, and solids).
<b>SC.A 1.4.4</b>	<b>H</b>	Experiments and determines that the rates of reaction among atoms and molecules depend on the concentration, pressure, and temperature of the reactants and the presence or absence of catalysts.	No Essential Work Skill
<b>SC.A 1.4.5</b>	<b>M</b>	Knows that connections (bonds) form between substances when outer-shell electrons are either transferred or shared between their atoms, changing the properties of substances.	<b>s78</b> Understand the historical development of the periodic table and apply the principles inherent in its development, including the properties and atomic structure of elements and resultant chemical compounds the forces acting between and among atoms and molecules, and changes in substances as a result of chemical combination.
<b>SSS Strand: The Nature of Science</b>		<b>Essential Work Skills</b>	
<b>SC.H 1.4.3</b>	<b>M</b>	Understands that no matter how well one theory fits observations, a new theory might fit them as well or better, or might fit a wider range of observations, because in science, the testing, revising, and occasional discarding of theories, new and old, never ends and leads to an increasingly better understanding of how things work in the world, but not to absolute truth.	<b>s114</b> (Not Ranked) Know and apply the principles of scientific inquiry. (Implicit in this statement are the processes of prediction, estimation, developing hypotheses, drawing conclusions, evaluation, and following ethical principles and professional procedures

**Outcome # 18.0 APPLY PRINCIPLES OF NUTRITION--THE STUDENT WILL BE ABLE TO:****Performance Task# 18.01 Interpret menus to meet current dietary guidelines and nutritional requirements of individuals.****SSS Strand: Reading****Essential Work Skills**

LA.A 2.4.8 H Synthesizes information from multiple sources to draw conclusions.

e03 Gather information from a variety of sources, including electronic sources, and summarize, analyze, and evaluate its use for a report.

**SSS Strand: Data Analysis and Probability****Essential Work Skills**

MA.E 1.4.1 H Interprets data that has been collected, organized, and displayed in charts, tables, and plots.

m05 Understand the best procedures for statistical data collection, organization, and display including making estimates and predictions and drawing inferences.

m36 Understand the characteristics of measures of dispersion (i.e., range, mean deviation, variance, and standard deviation).

m42 Understand the concepts and applications of quartiles (i.e., distributing groups into four equal frequencies) and percentiles (i.e., distributing individuals into one hundred groups of equal frequency).

**SSS Strand: Processes of Life****Essential Work Skills**

SC.F 1.4.1 H Knows that the body processes involve specific biochemical reactions governed by biochemical principles.

s42 Understand the chemical reactions involved in cell functions (e.g., food molecules taken into cells are broken down to provide the chemical constituents needed to synthesize other molecules).

SC.F 1.4.6 M Knows that separate parts of the body communicate with each other using electrical and/or chemical signals.

s45 Understand nerve regulation - the nervous system and related disorders such as cerebral palsy, meningitis, and polio; and chemical regulation - the endocrine system, hormones and related disorders such as goiter and diabetes.

**Outcome # 19.0 PERFORM FRONT-OF-THE-HOUSE DUTIES--THE STUDENT WILL BE ABLE TO:****Performance Task# 19.01 Recognize the needs of diverse populations.****SSS Strand: Reading****Essential Work Skills**

LA.A 1.4.3 L Refines vocabulary for interpersonal, academic, and workplace situations, including figurative, idiomatic, and technical meanings.

e09 Know how to decipher unfamiliar words using such strategies as context cues, word structure analysis, letter sound relationships, and word histories.

e30 Understand the nature and purpose of and be able to word process a variety of formats including essays, business letters, memos, instructions, policy statements, technical proposals, user manuals, lab reports, etc.

e49 Read for main idea first and then read for detail.

**SSS Strand: Number Sense, Concepts and Operations****Essential Work Skills**

MA.A 3.4.3 H Adds, subtracts, multiplies, and divides real numbers, including square roots and exponents, using appropriate methods of computing, such as mental mathematics, paper and pencil, and calculator.

m01 Perform operations with signed (positive and negative) numbers, including decimals, ratios, percents, and fractions.

	<p><b>m44</b> Perform operations with radicals such as addition, subtraction, multiplication, and division of two or more irrational numbers and express as the square root of a positive integer or as the product of a rational number and the square root of a positive integer.</p> <p><b>m62</b> Understand the characteristics of algorithms and how they are used for finding the greatest common denominator of two numbers and the solutions of quadratic equations.</p>
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<b>SSS Strand: Measurement</b>	<b>Essential Work Skills</b>
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<b>MA.B 4.4.2 L</b> Selects and uses appropriate instruments, technology, and techniques to measure quantities in order to achieve specified degrees of accuracy in a problem situation.	No Essential Work Skill
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**Performance Task# 19.02 Perform duties to meet the needs of the customer.**

<b>SSS Strand: Reading</b>	<b>Essential Work Skills</b>
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<b>LA.A 1.4.3 L</b> Refines vocabulary for interpersonal, academic, and workplace situations, including figurative, idiomatic, and technical meanings.	<p><b>e09</b> Know how to decipher unfamiliar words using such strategies as context cues, word structure analysis, letter sound relationships, and word histories.</p> <p><b>e30</b> Understand the nature and purpose of and be able to word process a variety of formats including essays, business letters, memos, instructions, policy statements, technical proposals, user manuals, lab reports, etc.</p> <p><b>e49</b> Read for main idea first and then read for detail.</p>
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<b>SSS Strand: Number Sense, Concepts and Operations</b>	<b>Essential Work Skills</b>
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<b>MA.A 3.4.3 H</b> Adds, subtracts, multiplies, and divides real numbers, including square root and exponents, using appropriate methods of computing, such as mental mathematics, paper and pencil, and calculator.	<p><b>m01</b> Perform operations with signed (positive and negative) numbers, including decimals, ratios, percents, and fractions.</p> <p><b>m44</b> Perform operations with radicals such as addition, subtraction, multiplication, and division of two or more irrational numbers and express as the square root of a positive integer or as the product of a rational number and the square root of a positive integer.</p> <p><b>m62</b> Understand the characteristics of algorithms and how they are used for finding the greatest common denominator of two numbers and the solutions of quadratic equations.</p>
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<b>SSS Strand: Measurement</b>	<b>Essential Work Skills</b>
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<b>MA.B 4.4.2 L</b> Selects and uses appropriate instruments, technology, and techniques to measure quantities in order to achieve specified degrees of accuracy in a problem situation.	No Essential Work Skill
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**Outcome # 20.0 PERFORM BACK-OF-THE-HOUSE DUTIES--THE STUDENT WILL BE ABLE TO:**

**Performance Task# 20.01 Receive, store, and issue supplies.**

<b>SSS Strand: Reading</b>	<b>Essential Work Skills</b>
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<b>LA.A 2.4.4 H</b>	Locates, gathers, analyzes, and evaluates written information for a variety of purposes, including research projects, real-world tasks, and self-improvement.	<b>e03</b>	Gather information from a variety of sources, including electronic sources, and summarize, analyze, and evaluate its use for a report.
<b>SSS Strand: Writing</b>		<b>Essential Work Skills</b>	
<b>LA.B 2.4.2 L</b>	Organizes information using appropriate systems.	<b>e12</b>	Draft a report that engages an audience and is concise, clear, well organized, accurate, and informative.
<b>SSS Strand: Number Sense, Concepts and Operations</b>		<b>Essential Work Skills</b>	
<b>MA.A 3.4.3 H</b>	Adds, subtracts, multiplies, and divides real numbers, including square root and exponents, using appropriate methods of computing, such as mental mathematics, paper and pencil, and calculator.	<b>m01</b>	Perform operations with signed (positive and negative) numbers, including decimals, ratios, percents, and fractions.
		<b>m44</b>	Perform operations with radicals such as addition, subtraction, multiplication, and division of two or more irrational numbers and express as the square root of a positive integer or as the product of a rational number and the square root of a positive integer.
		<b>m62</b>	Understand the characteristics of algorithms and how they are used for finding the greatest common denominator of two numbers and the solutions of quadratic equations.
<b>SSS Strand: Measurement</b>		<b>Essential Work Skills</b>	
<b>MA.B 4.4.2 L</b>	Selects and uses appropriate instruments, technology, and techniques to measure quantities in order to achieve specified degrees of accuracy in a problem situation.	No Essential Work Skill	
<b>Outcome # 21.0 PREPARE FOOD AND BEVERAGE ITEMS--THE STUDENT WILL BE ABLE TO:</b>			
<b>Performance Task# 21.01 Prepare bake station items.</b>			
<b>SSS Strand: Reading</b>		<b>Essential Work Skills</b>	
<b>LA.A 1.4.3 L</b>	Refines vocabulary for interpersonal, academic, and workplace situations, including figurative, idiomatic, and technical meanings.	<b>e09</b>	Know how to decipher unfamiliar words using such strategies as context cues, word structure analysis, letter sound relationships, and word histories.
		<b>e30</b>	Understand the nature and purpose of and be able to word process a variety of formats including essays, business letters, memos, instructions, policy statements, technical proposals, user manuals, lab reports, etc.
		<b>e49</b>	Read for main idea first and then read for detail.
<b>SSS Strand: Listening, Viewing and Speaking</b>		<b>Essential Work Skills</b>	
<b>LA.C 3.4.1 L</b>	Uses volume, stress, pacing, enunciation, eye contact, and gestures that meet the needs of the audience and topic.	<b>e92</b>	Identify and interpret vocal characteristics that influence meaning such as tone, volume, pitch, and rate.
<b>LA.C 3.4.2 L</b>	Selects and uses a variety of speaking strategies to clarify meaning and to reflect understanding, interpretation, application, and evaluation of content processes, or experiences, including asking relevant questions when necessary, making appropriate and meaningful comments, and making insightful observations.	<b>e59</b>	Respond orally to fellow student's opinions during presentations by asking questions, asking for clarification, agreeing and /or disagreeing courteously.
		<b>e69</b>	Participate in a one-on-one conference by relating essential information, asking questions on the topic, and using language to clarify information.

<b>LA.C 3.4.3</b>	<b>L</b>	Uses details, illustrations, analogies, and visual aids to make oral presentations that inform, persuade, or entertain.	<b>e10</b>	Prepare and deliver individual speeches by gathering information, rehearsing, making eye contact, speaking loudly enough, delivering information in a well organized fashion, and appealing to the needs of the target audience.
<b>SSS Strand: Number Sense, Concepts and Operations</b>			<b>Essential Work Skills</b>	
<b>MA.A 3.4.3</b>	<b>H</b>	Adds, subtracts, multiplies, and divides real numbers, including square root and exponents, using appropriate methods of computing, such as mental mathematics, paper and pencil, and calculator.	<b>m01</b>	Perform operations with signed (positive and negative) numbers, including decimals, ratios, percents, and fractions.
			<b>m44</b>	Perform operations with radicals such as addition, subtraction, multiplication, and division of two or more irrational numbers and express as the square root of a positive integer or as the product of a rational number and the square root of a positive integer.
			<b>m62</b>	Understand the characteristics of algorithms and how they are used for finding the greatest common denominator of two numbers and the solutions of quadratic equations.
<b>SSS Strand: Measurement</b>			<b>Essential Work Skills</b>	
<b>MA.B 3.4.1</b>	<b>H</b>	Solves real-world and mathematical problems involving estimates of measurements, including length, time, weight/mass, temperature, money, perimeter, area, and volume, and estimates the effects of measurement errors on calculations.	<b>m33</b>	Use the technique of dimensional analysis to convert units of measure (e.g., convert km/hr to m/min) including drawing to scale and applying ratios. Understand and use various techniques for estimating, making and converting measure; and using these to perform dimensional analysis.
<b>MA.B 4.4.2</b>	<b>L</b>	Selects and uses appropriate instruments, technology, and techniques to measure quantities in order to achieve specified degrees of accuracy in a problem situation.		No Essential Work Skill
<b>SSS Strand: The Nature of Matter</b>			<b>Essential Work Skills</b>	
<b>SC.A 1.4.1</b>	<b>M</b>	Knows that the electron configuration in atoms determines how a substance reacts and how much energy is involved in its reactions.	<b>s78</b>	Understand the historical development of the periodic table and apply the principles inherent in its development, including the properties and atomic structure of elements and resultant chemical compounds the forces acting between and among atoms and molecules, and changes in substances as a result of chemical combination.
<b>SC.A 1.4.2</b>	<b>M</b>	Knows that the vast diversity of the properties of materials is primarily due to variations in the forces that hold molecules together.	<b>s78</b>	Understand the historical development of the periodic table and apply the principles inherent in its development, including the properties and atomic structure of elements and resultant chemical compounds the forces acting between and among atoms and molecules, and changes in substances as a result of chemical combination.
<b>SC.A 1.4.3</b>	<b>M</b>	Knows that a change from one phase of matter to another involves a gain or loss of energy.	<b>s57</b>	Understand physical/chemical change (e.g., change of phase between gases, liquids, and solids).
<b>SC.A 1.4.4</b>	<b>H</b>	Experiments and determines that the rates of reaction among atoms and molecules depend on the concentration, pressure, and temperature of the reactants and the presence or absence of catalysts.		No Essential Work Skill
<b>SC.A 1.4.5</b>	<b>M</b>	Knows that connections (bonds) form between substances when outer-shell electrons are either transferred or shared between their atoms, changing the properties of substances.	<b>s78</b>	Understand the historical development of the periodic table and apply the principles inherent in its development, including the properties and atomic structure of elements and resultant chemical compounds the forces acting between and among atoms and molecules, and changes in substances as a result of chemical combination.

Performance Task# 21.02 Prepare pantry station items.		
SSS Strand: Reading		Essential Work Skills
LA.A 1.4.3	L Refines vocabulary for interpersonal, academic, and workplace situations, including figurative, idiomatic, and technical meanings.	e09 Know how to decipher unfamiliar words using such strategies as context cues, word structure analysis, letter sound relationships, and word histories.
		e30 Understand the nature and purpose of and be able to word process a variety of formats including essays, business letters, memos, instructions, policy statements, technical proposals, user manuals, lab reports, etc.
		e49 Read for main idea first and then read for detail.
SSS Strand: Listening, Viewing and Speaking		Essential Work Skills
LA.C 3.4.1	L Uses volume, stress, pacing, enunciation, eye contact, and gestures that meet the needs of the audience and topic.	e92 Identify and interpret vocal characteristics that influence meaning such as tone, volume, pitch, and rate.
LA.C 3.4.2	L Selects and uses a variety of speaking strategies to clarify meaning and to reflect understanding, interpretation, application, and evaluation of content processes, or experiences, including asking relevant questions when necessary, making appropriate and meaningful comments, and making insightful observations.	e59 Respond orally to fellow student's opinions during presentations by asking questions, asking for clarification, agreeing and /or disagreeing courteously.
		e69 Participate in a one-on-one conference by relating essential information, asking questions on the topic, and using language to clarify information.
LA.C 3.4.3	L Uses details, illustrations, analogies, and visual aids to make oral presentations that inform, persuade, or entertain.	e10 Prepare and deliver individual speeches by gathering information, rehearsing, making eye contact, speaking loudly enough, delivering information in a well organized fashion, and appealing to the needs of the target audience.
SSS Strand: Number Sense, Concepts and Operations		Essential Work Skills
MA.A 3.4.3	H Adds, subtracts, multiplies, and divides real numbers, including square root and exponents, using appropriate methods of computing, such as mental mathematics, paper and pencil, and calculator.	m01 Perform operations with signed (positive and negative) numbers, including decimals, ratios, percents, and fractions.
		m44 Perform operations with radicals such as addition, subtraction, multiplication, and division of two or more irrational numbers and express as the square root of a positive integer or as the product of a rational number and the square root of a positive integer.
		m62 Understand the characteristics of algorithms and how they are used for finding the greatest common denominator of two numbers and the solutions of quadratic equations.
SSS Strand: Measurement		Essential Work Skills
MA.B 3.4.1	H Solves real-world and mathematical problems involving estimates of measurements, including length, time, weight/mass, temperature, money, perimeter, area, and volume, and estimates the effects of measurement errors on calculations.	m33 Use the technique of dimensional analysis to convert units of measure (e.g., convert km/hr to m/min) including drawing to scale and applying ratios. Understand and use various techniques for estimating, making and converting measure; and using these to perform dimensional analysis.
MA.B 4.4.2	L Selects and uses appropriate instruments, technology, and techniques to measure quantities in order to achieve specified degrees of accuracy in a problem situation.	No Essential Work Skill
SSS Strand: The Nature of Matter		Essential Work Skills
SC.A 1.4.1	M Knows that the electron configuration in atoms determines how a substance reacts and how much energy is involved in its reactions.	s78 Understand the historical development of the periodic table and apply the principles inherent in its development, including the properties and atomic structure of elements and resultant chemical compounds the forces acting between and among atoms and molecules, and changes in substances as a result of chemical combination.

SC.A 1.4.2	M	Knows that the vast diversity of the properties of materials is primarily due to variations in the forces that hold molecules together.	s78	Understand the historical development of the periodic table and apply the principles inherent in its development, including the properties and atomic structure of elements and resultant chemical compounds the forces acting between and among atoms and molecules, and changes in substances as a result of chemical combination.
SC.A 1.4.3	M	Knows that a change from one phase of matter to another involves a gain or loss of energy.	s57	Understand physical/chemical change (e.g., change of phase between gases, liquids, and solids).
SC.A 1.4.4	H	Experiments and determines that the rates of reaction among atoms and molecules depend on the concentration, pressure, and temperature of the reactants and the presence or absence of catalysts.		No Essential Work Skill
SC.A 1.4.5	M	Knows that connections (bonds) form between substances when outer-shell electrons are either transferred or shared between their atoms, changing the properties of substances.	s78	Understand the historical development of the periodic table and apply the principles inherent in its development, including the properties and atomic structure of elements and resultant chemical compounds the forces acting between and among atoms and molecules, and changes in substances as a result of chemical combination.

**Performance Task# 21.03 Prepare fry station items.**

<b>SSS Strand: Reading</b>			<b>Essential Work Skills</b>	
LA.A 1.4.3	L	Refines vocabulary for interpersonal, academic, and workplace situations, including figurative, idiomatic, and technical meanings.	e09	Know how to decipher unfamiliar words using such strategies as context cues, word structure analysis, letter sound relationships, and word histories.
			e30	Understand the nature and purpose of and be able to word process a variety of formats including essays, business letters, memos, instructions, policy statements, technical proposals, user manuals, lab reports, etc.
			e49	Read for main idea first and then read for detail.
<b>SSS Strand: Listening, Viewing and Speaking</b>			<b>Essential Work Skills</b>	
LA.C 3.4.1	L	Uses volume, stress, pacing, enunciation, eye contact, and gestures that meet the needs of the audience and topic.	e92	Identify and interpret vocal characteristics that influence meaning such as tone, volume, pitch, and rate.
LA.C 3.4.2	L	Selects and uses a variety of speaking strategies to clarify meaning and to reflect understanding, interpretation, application, and evaluation of content processes, or experiences, including asking relevant questions when necessary, making appropriate and meaningful comments, and making insightful observations.	e59	Respond orally to fellow student's opinions during presentations by asking questions, asking for clarification, agreeing and /or disagreeing courteously.
			e69	Participate in a one-on-one conference by relating essential information, asking questions on the topic, and using language to clarify information.
LA.C 3.4.3	L	Uses details, illustrations, analogies, and visual aids to make oral presentations that inform, persuade, or entertain.	e10	Prepare and deliver individual speeches by gathering information, rehearsing, making eye contact, speaking loudly enough, delivering information in a well organized fashion, and appealing to the needs of the target audience.
<b>SSS Strand: Number Sense, Concepts and Operations</b>			<b>Essential Work Skills</b>	
MA.A 3.4.3	H	Adds, subtracts, multiplies, and divides real numbers, including square roots and exponents, using appropriate methods of computing, such as mental mathematics, paper and pencil, and calculator.	m01	Perform operations with signed (positive and negative) numbers, including decimals, ratios, percents, and fractions.

		<b>m44</b>	Perform operations with radicals such as addition, subtraction, multiplication, and division of two or more irrational numbers and express as the square root of a positive integer or as the product of a rational number and the square root of a positive integer.
		<b>m62</b>	Understand the characteristics of algorithms and how they are used for finding the greatest common denominator of two numbers and the solutions of quadratic equations.

<b>SSS Strand: Measurement</b>		<b>Essential Work Skills</b>	
<b>MA.B 3.4.1</b>	<b>H</b>	Solves real-world and mathematical problems involving estimates of measurements, including length, time, weight/mass, temperature, money, perimeter, area, and volume, and estimates the effects of measurement errors on calculations.	<b>m33</b> Use the technique of dimensional analysis to convert units of measure (e.g., convert km/hr to m/min) including drawing to scale and applying ratios. Understand and use various techniques for estimating, making and converting measure; and using these to perform dimensional analysis.
<b>MA.B 4.4.2</b>	<b>L</b>	Selects and uses appropriate instruments, technology, and techniques to measure quantities in order to achieve specified degrees of accuracy in a problem situation.	No Essential Work Skill

<b>SSS Strand: The Nature of Matter</b>		<b>Essential Work Skills</b>	
<b>SC.A 1.4.1</b>	<b>M</b>	Knows that the electron configuration in atoms determines how a substance reacts and how much energy is involved in its reactions.	<b>s78</b> Understand the historical development of the periodic table and apply the principles inherent in its development, including the properties and atomic structure of elements and resultant chemical compounds the forces acting between and among atoms and molecules, and changes in substances as a result of chemical combination.
<b>SC.A 1.4.2</b>	<b>M</b>	Knows that the vast diversity of the properties of materials is primarily due to variations in the forces that hold molecules together.	<b>s78</b> Understand the historical development of the periodic table and apply the principles inherent in its development, including the properties and atomic structure of elements and resultant chemical compounds the forces acting between and among atoms and molecules, and changes in substances as a result of chemical combination.
<b>SC.A 1.4.3</b>	<b>M</b>	Knows that a change from one phase of matter to another involves a gain or loss of energy.	<b>s57</b> Understand physical/chemical change (e.g., change of phase between gases, liquids, and solids).
<b>SC.A 1.4.4</b>	<b>H</b>	Experiments and determines that the rates of reaction among atoms and molecules depend on the concentration, pressure, and temperature of the reactants and the presence or absence of catalysts.	No Essential Work Skill
<b>SC.A 1.4.5</b>	<b>M</b>	Knows that connections (bonds) form between substances when outer-shell electrons are either transferred or shared between their atoms, changing the properties of substances.	<b>s78</b> Understand the historical development of the periodic table and apply the principles inherent in its development, including the properties and atomic structure of elements and resultant chemical compounds the forces acting between and among atoms and molecules, and changes in substances as a result of chemical combination.

**Performance Task# 21.04 Prepare hot station items.**

<b>SSS Strand: Reading</b>		<b>Essential Work Skills</b>	
<b>LA.A 1.4.3</b>	<b>L</b>	Refines vocabulary for interpersonal, academic, and workplace situations, including figurative, idiomatic, and technical meanings.	<b>e09</b> Know how to decipher unfamiliar words using such strategies as context cues, word structure analysis, letter sound relationships, and word histories.

		<b>e30</b>	Understand the nature and purpose of and be able to word process a variety of formats including essays, business letters, memos, instructions, policy statements, technical proposals, user manuals, lab reports, etc.
		<b>e49</b>	Read for main idea first and then read for detail.
<b>SSS Strand: Listening, Viewing and Speaking</b>		<b>Essential Work Skills</b>	
<b>L.A.C 3.4.1</b>	<b>L</b>		Uses volume, stress, pacing, enunciation, eye contact, and gestures that meet the needs of the audience and topic.
		<b>e92</b>	Identify and interpret vocal characteristics that influence meaning such as tone, volume, pitch, and rate.
<b>L.A.C 3.4.2</b>	<b>L</b>		Selects and uses a variety of speaking strategies to clarify meaning and to reflect understanding, interpretation, application, and evaluation of content processes, or experiences, including asking relevant questions when necessary, making appropriate and meaningful comments, and making insightful observations.
		<b>e59</b>	Respond orally to fellow student's opinions during presentations by asking questions, asking for clarification, agreeing and /or disagreeing courteously.
		<b>e69</b>	Participate in a one-on-one conference by relating essential information, asking questions on the topic, and using language to clarify information.
<b>L.A.C 3.4.3</b>	<b>L</b>		Uses details, illustrations, analogies, and visual aids to make oral presentations that inform, persuade, or entertain.
		<b>e10</b>	Prepare and deliver individual speeches by gathering information, rehearsing, making eye contact, speaking loudly enough, delivering information in a well organized fashion, and appealing to the needs of the target audience.
<b>SSS Strand: Number Sense, Concepts and Operations</b>		<b>Essential Work Skills</b>	
<b>MA.A 3.4.3</b>	<b>H</b>		Adds, subtracts, multiplies, and divides real numbers, including square roots and exponents, using appropriate methods of computing, such as mental mathematics, paper and pencil, and calculator.
		<b>m01</b>	Perform operations with signed (positive and negative) numbers, including decimals, ratios, percents, and fractions.
		<b>m44</b>	Perform operations with radicals such as addition, subtraction, multiplication, and division of two or more irrational numbers and express as the square root of a positive integer or as the product of a rational number and the square root of a positive integer.
		<b>m62</b>	Understand the characteristics of algorithms and how they are used for finding the greatest common denominator of two numbers and the solutions of quadratic equations.
<b>SSS Strand: Measurement</b>		<b>Essential Work Skills</b>	
<b>MA.B 3.4.1</b>	<b>H</b>		Solves real-world and mathematical problems involving estimates of measurements, including length, time, weight/mass, temperature, money, perimeter, area, and volume, and estimates the effects of measurement errors on calculations.
		<b>m33</b>	Use the technique of dimensional analysis to convert units of measure (e.g., convert km/hr to m/min) including drawing to scale and applying ratios. Understand and use various techniques for estimating, making and converting measure; and using these to perform dimensional analysis.
<b>MA.B 4.4.2</b>	<b>L</b>		Selects and uses appropriate instruments, technology, and techniques to measure quantities in order to achieve specified degrees of accuracy in a problem situation.
			No Essential Work Skill
<b>SSS Strand: The Nature of Matter</b>		<b>Essential Work Skills</b>	
<b>SC.A 1.4.1</b>	<b>M</b>		Knows that the electron configuration in atoms determines how a substance reacts and how much energy is involved in its reactions.
		<b>s78</b>	Understand the historical development of the periodic table and apply the principles inherent in its development, including the properties and atomic structure of elements and resultant chemical compounds the forces acting between and among atoms and molecules, and changes in substances as a result of chemical combination.
<b>SC.A 1.4.2</b>	<b>M</b>		Knows that the vast diversity of the properties of materials is primarily due to variations in the forces that hold molecules together.
		<b>s78</b>	Understand the historical development of the periodic table and apply the principles inherent in its development, including the properties and atomic structure of elements and resultant chemical compounds the forces acting between and among atoms and molecules, and changes in substances as a result of chemical combination.

SC.A 1.4.3	M	Knows that a change from one phase of matter to another involves a gain or loss of energy.	s57	Understand physical/chemical change (e.g., change of phase between gases, liquids, and solids).
SC.A 1.4.4	H	Experiments and determines that the rates of reaction among atoms and molecules depend on the concentration, pressure, and temperature of the reactants and the presence or absence of catalysts.		No Essential Work Skill
SC.A 1.4.5	M	Knows that connections (bonds) form between substances when outer-shell electrons are either transferred or shared between their atoms, changing the properties of substances.	s78	Understand the historical development of the periodic table and apply the principles inherent in its development, including the properties and atomic structure of elements and resultant chemical compounds the forces acting between and among atoms and molecules, and changes in substances as a result of chemical combination.

**Performance Task# 21.05 Prepare beverage items.**

SSS Strand: Reading			Essential Work Skills	
LA.A 1.4.3	L	Refines vocabulary for interpersonal, academic, and workplace situations, including figurative, idiomatic, and technical meanings.	e09	Know how to decipher unfamiliar words using such strategies as context cues, word structure analysis, letter sound relationships, and word histories.
			e30	Understand the nature and purpose of and be able to word process a variety of formats including essays, business letters, memos, instructions, policy statements, technical proposals, user manuals, lab reports, etc.
			e49	Read for main idea first and then read for detail.

SSS Strand: Listening, Viewing and Speaking			Essential Work Skills	
LA.C 3.4.1	L	Uses volume, stress, pacing, enunciation, eye contact, and gestures that meet the needs of the audience and topic.	e92	Identify and interpret vocal characteristics that influence meaning such as tone, volume, pitch, and rate.
LA.C 3.4.2	L	Selects and uses a variety of speaking strategies to clarify meaning and to reflect understanding, interpretation, application, and evaluation of content processes, or experiences, including asking relevant questions when necessary, making appropriate and meaningful comments, and making insightful observations.	e59	Respond orally to fellow student's opinions during presentations by asking questions, asking for clarification, agreeing and /or disagreeing courteously.
			e69	Participate in a one-on-one conference by relating essential information, asking questions on the topic, and using language to clarify information.
LA.C 3.4.3	L	Uses details, illustrations, analogies, and visual aids to make oral presentations that inform, persuade, or entertain.	e10	Prepare and deliver individual speeches by gathering information, rehearsing, making eye contact, speaking loudly enough, delivering information in a well organized fashion, and appealing to the needs of the target audience.

SSS Strand: Number Sense, Concepts and Operations			Essential Work Skills	
MA.A 3.4.3	H	Adds, subtracts, multiplies, and divides real numbers, including square roots and exponents, using appropriate methods of computing, such as mental mathematics, paper and pencil, and calculator.	m01	Perform operations with signed (positive and negative) numbers, including decimals, ratios, percents, and fractions.
			m44	Perform operations with radicals such as addition, subtraction, multiplication, and division of two or more irrational numbers and express as the square root of a positive integer or as the product of a rational number and the square root of a positive integer.
			m62	Understand the characteristics of algorithms and how they are used for finding the greatest common denominator of two numbers and the solutions of quadratic equations.

SSS Strand: Measurement		Essential Work Skills
<b>MA.B 3.4.1</b>	<b>H</b> Solves real-world and mathematical problems involving estimates of measurements, including length, time, weight/mass, temperature, money, perimeter, area, and volume, and estimates the effects of measurement errors on calculations.	<b>m33</b> Use the technique of dimensional analysis to convert units of measure (e.g., convert km/hr to m/min) including drawing to scale and applying ratios. Understand and use various techniques for estimating, making and converting measure; and using these to perform dimensional analysis.
<b>MA.B 4.4.2</b>	<b>L</b> Selects and uses appropriate instruments, technology, and techniques to measure quantities in order to achieve specified degrees of accuracy in a problem situation.	No Essential Work Skill

SSS Strand: The Nature of Matter		Essential Work Skills
<b>SC.A 1.4.1</b>	<b>M</b> Knows that the electron configuration in atoms determines how a substance reacts and how much energy is involved in its reactions.	<b>s78</b> Understand the historical development of the periodic table and apply the principles inherent in its development, including the properties and atomic structure of elements and resultant chemical compounds the forces acting between and among atoms and molecules, and changes in substances as a result of chemical combination.
<b>SC.A 1.4.2</b>	<b>M</b> Knows that the vast diversity of the properties of materials is primarily due to variations in the forces that hold molecules together.	<b>s78</b> Understand the historical development of the periodic table and apply the principles inherent in its development, including the properties and atomic structure of elements and resultant chemical compounds the forces acting between and among atoms and molecules, and changes in substances as a result of chemical combination.
<b>SC.A 1.4.3</b>	<b>M</b> Knows that a change from one phase of matter to another involves a gain or loss of energy.	<b>s57</b> Understand physical/chemical change (e.g., change of phase between gases, liquids, and solids).
<b>SC.A 1.4.4</b>	<b>H</b> Experiments and determines that the rates of reaction among atoms and molecules depend on the concentration, pressure, and temperature of the reactants and the presence or absence of catalysts.	No Essential Work Skill
<b>SC.A 1.4.5</b>	<b>M</b> Knows that connections (bonds) form between substances when outer-shell electrons are either transferred or shared between their atoms, changing the properties of substances.	<b>s78</b> Understand the historical development of the periodic table and apply the principles inherent in its development, including the properties and atomic structure of elements and resultant chemical compounds the forces acting between and among atoms and molecules, and changes in substances as a result of chemical combination.

**Performance Task# 21.06 Perform food presentation and display techniques.**

SSS Strand: Reading		Essential Work Skills
<b>LA.A 1.4.3</b>	<b>L</b> Refines vocabulary for interpersonal, academic, and workplace situations, including figurative, idiomatic, and technical meanings.	<b>e09</b> Know how to decipher unfamiliar words using such strategies as context cues, word structure analysis, letter sound relationships, and word histories.
		<b>e30</b> Understand the nature and purpose of and be able to word process a variety of formats including essays, business letters, memos, instructions, policy statements, technical proposals, user manuals, lab reports, etc.
		<b>e49</b> Read for main idea first and then read for detail.
<b>LA.A 2.4.3</b>	<b>L</b> Describes and evaluates personal preferences regarding fiction and nonfiction.	<b>e57</b> Understand and relate to situations, events and characters in a reading selection.
		<b>e60</b> Relate situations, events, and characters in a reading selection to personal experience.

SSS Strand: Listening, Viewing and Speaking		Essential Work Skills
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<b>LA.C 3.4.1</b>	<b>L</b>	Uses volume, stress, pacing, enunciation, eye contact, and gestures that meet the needs of the audience and topic.	<b>e92</b>	Identify and interpret vocal characteristics that influence meaning such as tone, volume, pitch, and rate.
<b>LA.C 3.4.2</b>	<b>L</b>	Selects and uses a variety of speaking strategies to clarify meaning and to reflect understanding, interpretation, application, and evaluation of content processes, or experiences, including asking relevant questions when necessary, making appropriate and meaningful comments, and making insightful observations.	<b>e59</b>	Respond orally to fellow student's opinions during presentations by asking questions, asking for clarification, agreeing and /or disagreeing courteously.
			<b>e69</b>	Participate in a one-on-one conference by relating essential information, asking questions on the topic, and using language to clarify information.
<b>SSS Strand: Number Sense, Concepts and Operations</b>			<b>Essential Work Skills</b>	
<b>MA.A 3.4.3</b>	<b>H</b>	Adds, subtracts, multiplies, and divides real numbers, including square root and exponents, using appropriate methods of computing, such as mental mathematics, paper and pencil, and calculator.	<b>m01</b>	Perform operations with signed (positive and negative) numbers, including decimals, ratios, percents, and fractions.
			<b>m44</b>	Perform operations with radicals such as addition, subtraction, multiplication, and division of two or more irrational numbers and express as the square root of a positive integer or as the product of a rational number and the square root of a positive integer.
			<b>m62</b>	Understand the characteristics of algorithms and how they are used for finding the greatest common denominator of two numbers and the solutions of quadratic equations.
<b>SSS Strand: Measurement</b>			<b>Essential Work Skills</b>	
<b>MA.B 3.4.1</b>	<b>H</b>	Solves real-world and mathematical problems involving estimates of measurements, including length, time, weight/mass, temperature, money, perimeter, area, and volume, and estimates the effects of measurement errors on calculations.	<b>m33</b>	Use the technique of dimensional analysis to convert units of measure (e.g., convert km/hr to m/min) including drawing to scale and applying ratios. Understand and use various techniques for estimating, making and converting measure; and using these to perform dimensional analysis.
<b>MA.B 4.4.2</b>	<b>L</b>	Selects and uses appropriate instruments, technology, and techniques to measure quantities in order to achieve specified degrees of accuracy in a problem situation.		No Essential Work Skill
<b>SSS Strand: The Nature of Matter</b>			<b>Essential Work Skills</b>	
<b>SC.A 1.4.1</b>	<b>M</b>	Knows that the electron configuration in atoms determines how a substance reacts and how much energy is involved in its reactions.	<b>s78</b>	Understand the historical development of the periodic table and apply the principles inherent in its development, including the properties and atomic structure of elements and resultant chemical compounds the forces acting between and among atoms and molecules, and changes in substances as a result of chemical combination.
<b>SC.A 1.4.2</b>	<b>M</b>	Knows that the vast diversity of the properties of materials is primarily due to variations in the forces that hold molecules together.	<b>s78</b>	Understand the historical development of the periodic table and apply the principles inherent in its development, including the properties and atomic structure of elements and resultant chemical compounds the forces acting between and among atoms and molecules, and changes in substances as a result of chemical combination.
<b>SC.A 1.4.3</b>	<b>M</b>	Knows that a change from one phase of matter to another involves a gain or loss of energy.	<b>s57</b>	Understand physical/chemical change (e.g., change of phase between gases, liquids, and solids).
<b>SC.A 1.4.4</b>	<b>H</b>	Experiments and determines that the rates of reaction among atoms and molecules depend on the concentration, pressure, and temperature of the reactants and the presence or absence of catalysts.		No Essential Work Skill
<b>SC.A 1.4.5</b>	<b>M</b>	Knows that connections (bonds) form between substances when outer-shell electrons are either transferred or shared between their atoms, changing the properties of substances.	<b>s78</b>	Understand the historical development of the periodic table and apply the principles inherent in its development, including the properties and atomic structure of elements and resultant chemical compounds the forces acting between and among atoms and molecules, and changes in substances as a result of chemical combination.

Performance Task# 21.07 Recognize standards of quality.		
<b>SSS Strand: Reading</b>		<b>Essential Work Skills</b>
<b>LA.A 1.4.3</b>	<b>L</b> Refines vocabulary for interpersonal, academic, and workplace situations, including figurative, idiomatic, and technical meanings.	<b>e09</b> Know how to decipher unfamiliar words using such strategies as context cues, word structure analysis, letter sound relationships, and word histories.
		<b>e30</b> Understand the nature and purpose of and be able to word process a variety of formats including essays, business letters, memos, instructions, policy statements, technical proposals, user manuals, lab reports, etc.
		<b>e49</b> Read for main idea first and then read for detail.
<b>SSS Strand: Listening, Viewing and Speaking</b>		<b>Essential Work Skills</b>
<b>LA.C 1.4.2</b>	<b>L</b> Describes, evaluates, and expands personal preferences in listening to fiction, drama, literary nonfiction, and informational presentations.	<b>e25</b> Listen, comprehend and summarize essential information from a variety of sources such as speeches, plays, commercials on radio and television, and political debates.
		<b>e47</b> Listen for enjoyment to narratives of personal experiences, stories, drama, performances, lectures, and readings.
<b>LA.C 3.4.1</b>	<b>L</b> Uses volume, stress, pacing, enunciation, eye contact, and gestures that meet the needs of the audience and topic.	<b>e92</b> Identify and interpret vocal characteristics that influence meaning such as tone, volume, pitch, and rate.
<b>LA.C 3.4.3</b>	<b>L</b> Uses details, illustrations, analogies, and visual aids to make oral presentations that inform, persuade, or entertain.	<b>e10</b> Prepare and deliver individual speeches by gathering information, rehearsing, making eye contact, speaking loudly enough, delivering information in a well organized fashion, and appealing to the needs of the target audience.
<b>SSS Strand: Number Sense, Concepts and Operations</b>		<b>Essential Work Skills</b>
<b>MA.A 3.4.3</b>	<b>H</b> Adds, subtracts, multiplies, and divides real numbers, including square roots and exponents, using appropriate methods of computing, such as mental mathematics, paper and pencil, and calculator.	<b>m01</b> Perform operations with signed (positive and negative) numbers, including decimals, ratios, percents, and fractions.
		<b>m44</b> Perform operations with radicals such as addition, subtraction, multiplication, and division of two or more irrational numbers and express as the square root of a positive integer or as the product of a rational number and the square root of a positive integer.
		<b>m62</b> Understand the characteristics of algorithms and how they are used for finding the greatest common denominator of two numbers and the solutions of quadratic equations.
<b>SSS Strand: Measurement</b>		<b>Essential Work Skills</b>
<b>MA.B 3.4.1</b>	<b>H</b> Solves real-world and mathematical problems involving estimates of measurements, including length, time, weight/mass, temperature, money, perimeter, area, and volume, and estimates the effects of measurement errors on calculations.	<b>m33</b> Use the technique of dimensional analysis to convert units of measure (e.g., convert km/hr to m/min) including drawing to scale and applying ratios. Understand and use various techniques for estimating, making and converting measure; and using these to perform dimensional analysis.
<b>MA.B 4.4.2</b>	<b>L</b> Selects and uses appropriate instruments, technology, and techniques to measure quantities in order to achieve specified degrees of accuracy in a problem situation.	No Essential Work Skill
<b>SSS Strand: The Nature of Matter</b>		<b>Essential Work Skills</b>
<b>SC.A 1.4.1</b>	<b>M</b> Knows that the electron configuration in atoms determines how a substance reacts and how much energy is involved in its reactions.	<b>s78</b> Understand the historical development of the periodic table and apply the principles inherent in its development, including the properties and atomic structure of elements and resultant chemical compounds the forces acting between and among atoms and molecules, and changes in substances as a result of chemical combination.

SC.A 1.4.2	M	Knows that the vast diversity of the properties of materials is primarily due to variations in the forces that hold molecules together.	s78	Understand the historical development of the periodic table and apply the principles inherent in its development, including the properties and atomic structure of elements and resultant chemical compounds the forces acting between and among atoms and molecules, and changes in substances as a result of chemical combination.
SC.A 1.4.3	M	Knows that a change from one phase of matter to another involves a gain or loss of energy.	s57	Understand physical/chemical change (e.g., change of phase between gases, liquids, and solids).
SC.A 1.4.4	H	Experiments and determines that the rates of reaction among atoms and molecules depend on the concentration, pressure, and temperature of the reactants and the presence or absence of catalysts.		No Essential Work Skill
SC.A 1.4.5	M	Knows that connections (bonds) form between substances when outer-shell electrons are either transferred or shared between their atoms, changing the properties of substances.	s78	Understand the historical development of the periodic table and apply the principles inherent in its development, including the properties and atomic structure of elements and resultant chemical compounds the forces acting between and among atoms and molecules, and changes in substances as a result of chemical combination.

**Total Number of Student Performance Standards in this course:**

**23**

**- End of File -**