

Digital Design 2	8209520
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Outcome # 19.0 INCORPORATE KNOWLEDGE GAINED FROM INDIVIDUAL ASSESSMENT AND JOB/CAREER EXPLORATION TO DESIGN AN INDIVIDUAL CAREER PLAN THAT REFLECTS THE TRANSITION FROM SCHOOL TO WORK, LIFELONG LEARNING, AND PERSONAL AND PROFESSIONAL GOALS

Performance Task# 19.10 Prepare a portfolio

SSS Strand: Writing	Essential Work Skills
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<p>LA.B 1.4.2 H Drafts and revises writing that: is focused, purposeful, and reflects insight into the writing situation; has an organizational pattern that provides for a logical progression of ideas; has effective use of transitional devices that contribute to a sense of completeness; has support that is substantial, specific, relevant, and concrete; demonstrates a commitment to and involvement with the subject; uses creative writing strategies as appropriate to the purposes of the paper; demonstrates a mature command of language with freshness of expression; has varied sentence structure; has few, if any, convention errors in mechanics, usage, punctuation and spelling.</p>	<p>e12 Draft a report that engages an audience and is concise, clear, well organized, accurate, and informative.</p>
	<p>e14 Use editing and revising skills to improve effectiveness and accuracy of drafts.</p>
	<p>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.</p>
	<p>e54 Organize supporting detail in logical and convincing patterns.</p>
<p>LA.B 1.4.3 L Produces final documents that have been edited for: correct spelling; correct punctuation, including commas, colons, and common use of semicolons; correct capitalization; correct sentence formation; correct instances of possessives, subject/verb agreement, instances of noun/pronoun agreement and the intentional use of fragments for effect; and correct formatting that appeals to readers, including appropriate use of a variety of graphics, tables, charts and illustrations in both standard and innovative forms.</p>	<p>e14 Use editing and revising skills to improve effectiveness and accuracy of drafts.</p>
<p>LA.B 2.4.2 L Organizes information using appropriate systems.</p>	<p>e12 Draft a report that engages an audience and is concise, clear, well organized, accurate, and informative.</p>
<p>LA.B 2.4.3 L Writes fluently for a variety of occasions, audiences, and purposes, making appropriate choices regarding style, tone, level of detail, and organization.</p>	<p>e22 Understand and produce a variety of informative format such as business letters, memos, reports, news articles, brochures, proposals and critiques.</p>
	<p>e50 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.</p>

Performance Task# 19.12 Present a portfolio to an audience.

SSS Strand: Listening, Viewing and Speaking	Essential Work Skills
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<p>LA.C 3.4.1 L Uses volume, stress, pacing, enunciation, eye contact, and gestures that meet the needs of the audience and topic.</p>	<p>e92 Identify and interpret vocal characteristics that influence meaning such as tone, volume, pitch, and rate.</p>
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<p>LA.C 3.4.2 L</p>	<p>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.</p>	<p>e59 Respond orally to fellow student's opinions during presentations by asking questions, asking for clarification, agreeing and /or disagreeing courteously.</p> <p>e69 Participate in a one-on-one conference by relating essential information, asking questions on the topic, and using language to clarify information.</p>
<p>LA.C 3.4.3 L</p>	<p>Uses details, illustrations, analogies, and visual aids to make oral presentations that inform, persuade, or entertain.</p>	<p>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.</p>
<p>LA.C 3.4.4 L</p>	<p>Applies oral communication skills to interviews, group presentations, formal presentations, and impromptu situations.</p>	<p>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.</p>

Outcome # 20.0 PARTICIPATE IN WORK-BASED LEARNING EXPERIENCES

Performance Task# 20.37 Participate in work-based learning experiences in a digital publishing environment.

<p>SSS Strand: Language</p>	<p>Essential Work Skills</p>
<p>LA.D 2.4.4 L Effectively integrates multimedia and technology into presentations.</p>	<p>e68 Apply an understanding of the meaning of graphics, layout, white space, italics, parentheses, and other visual aids.</p>

<p>SSS Strand: Algebraic Thinking</p>	<p>Essential Work Skills</p>
<p>MA.D 2.4.1 H Represents real-world problem situations using finite graphs, matrices, sequences, series, and recursive relations.</p>	<p>m48 Understand the concepts and apply the uses of functions and limits (i.e., conduct limiting processes using functions to investigate infinite series and sequences).</p> <p>m51 Understand the concepts and uses of matrices in modeling (i.e., finite graphs (structures) can be represented geometrically and interpreted algebraically in the form of a matrix).</p> <p>m61 Understand the concepts recurrence relations and how they are applicable to such things as compound interest and annuity.</p> <p>m72 Understand the characteristics and uses of finite sequence and series (e.g., it allows a systematic and useful means of quantifying things).</p>

Performance Task# 20.39 Compare and contrast the software applications used in a digital publishing environment

<p>SSS Strand: Writing</p>	<p>Essential Work Skills</p>
<p>LA.B 2.4.4 L Selects and uses a variety of electronic media, such as the Internet, information services, and desktop publishing software programs, to create, revise, retrieve, and verify information.</p>	<p>e03 Gather information from a variety of sources, including electronic sources, and summarize, analyze, and evaluate its use for a report.</p>

<p>SSS Strand: Language</p>	<p>Essential Work Skills</p>

LA.D 2.4.4	L	Effectively integrates multimedia and technology into presentations.	e68	Apply an understanding of the meaning of graphics, layout, white space, italics, parentheses, and other visual aids.
Outcome # 48.0 DEMONSTRATE PROFICIENCY IN COMPUTER SKILLS				
Performance Task# 48.06 Perform computer management skills (e.g., install and remove software).				
SSS Strand: Writing			Essential Work Skills	
LA.B 2.4.4	L	Selects and uses a variety of electronic media, such as the Internet, information services, and desktop publishing software programs, to create, revise, retrieve, and verify information.	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 2.4.4	L	Effectively integrates multimedia and technology into presentations.	e68	Apply an understanding of the meaning of graphics, layout, white space, italics, parentheses, and other visual aids.
Performance Task# 48.07 Perform storage management activities using a variety of devices (e.g., opticals, CD ROM, panels, monitors, modems, zip drives, jazz drives).				
SSS Strand: Writing			Essential Work Skills	
LA.B 2.4.4	L	Selects and uses a variety of electronic media, such as the Internet, information services, and desktop publishing software programs, to create, revise, retrieve, and verify information.	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 2.4.4	L	Effectively integrates multimedia and technology into presentations.	e68	Apply an understanding of the meaning of graphics, layout, white space, italics, parentheses, and other visual aids.
SSS Strand: Measurement			Essential Work Skills	
MA.B 2.4.2	H	Solves real-world problems involving rated measures (miles per hour, feet per second).	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.
Performance Task# 48.08 Complete disk utilities and virus protection activities.				
SSS Strand: Writing			Essential Work Skills	
LA.B 2.4.4	L	Selects and uses a variety of electronic media, such as the Internet, information services, and desktop publishing software programs, to create, revise, retrieve, and verify information.	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 2.4.4	L	Effectively integrates multimedia and technology into presentations.	e68	Apply an understanding of the meaning of graphics, layout, white space, italics, parentheses, and other visual aids.

Performance Task# 48.09 Update existing software to new versions

SSS Strand: Writing

Essential Work Skills

LA.B 2.4.4 L Selects and uses a variety of electronic media, such as the Internet, information services, and desktop publishing software programs, to create, revise, retrieve, and verify information.

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 2.4.4 L Effectively integrates multimedia and technology into presentations.

e68 Apply an understanding of the meaning of graphics, layout, white space, italics, parentheses, and other visual aids.

Outcome # 50.0 PERFORM DECISION-MAKING ACTIVITIES

Performance Task# 50.10 Determine project specifications.

SSS Strand: Writing

Essential Work Skills

LA.B 1.4.1 L Selects and uses appropriate prewriting strategies, such as brainstorming, graphic organizers, and outlines.

e34 Use ideas from journals, class discussion and literary criticism to write a paper that expresses a personal opinion, sustains a controlling idea, or uses specific evidence from literary texts to support an opinion.

e40 Use writing as a tool for learning in formats such as learning logs, laboratory reports, note-taking, journals and portfolios.

LA.B 1.4.2 H Drafts and revises writing that: is focused, purposeful, and reflects insight into the writing situation; has an organizational pattern that provides for a logical progression of ideas; has effective use of transitional devices that contribute to a sense of completeness; has support that is substantial, specific, relevant, and concrete; demonstrates a commitment to and involvement with the subject; uses creative writing strategies as appropriate to the purposes of the paper; demonstrates a mature command of language with freshness of expression; has varied sentence structure; has few, if any, convention errors in mechanics, usage, punctuation and spelling.

e12 Draft a report that engages an audience and is concise, clear, well organized, accurate, and informative.

e14 Use editing and revising skills to improve effectiveness and accuracy of drafts.

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.

e54 Organize supporting detail in logical and convincing patterns.

LA.B 1.4.3 L Produces final documents that have been edited for: correct spelling; correct punctuation, including commas, colons, and common use of semicolons; correct capitalization; correct sentence formation; correct instances of possessives, subject/verb agreement, instances of noun/pronoun agreement and the intentional use of fragments for effect; and correct formatting that appeals to readers, including appropriate use of a variety of graphics, table: charts and illustrations in both standard and innovative forms.

e14 Use editing and revising skills to improve effectiveness and accuracy of drafts.

LA.B 2.4.2 L Organizes information using appropriate systems.

e12 Draft a report that engages an audience and is concise, clear, well organized, accurate, and informative.

LA.B 2.4.4 L Selects and uses a variety of electronic media, such as the Internet, information services, and desktop publishing software programs, to create, revise, retrieve, and verify information.

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 2.4.4	L	Effectively integrates multimedia and technology into presentations.	e68	Apply an understanding of the meaning of graphics, layout, white space, italics, parentheses, and other visual aids.
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Outcome # 52.0 DETERMINE PROFICIENCY IN DIGITAL PUBLISHING OPERATIONS

Performance Task# 52.07 Produce multiple color designs using different color techniques including color process and spot color.

SSS Strand: Writing		Essential Work Skills		
LA.B 1.4.2	H	Drafts and revises writing that: is focused, purposeful, and reflects insight into the writing situation; has an organizational pattern that provides for a logical progression of ideas; has effective use of transitional devices that contribute to a sense of completeness; has support that is substantial, specific, relevant, and concrete; demonstrates a commitment to and involvement with the subject; uses creative writing strategies as appropriate to the purposes of the paper; demonstrates a mature command of language with freshness of expression; has varied sentence structure; has few, if any, convention errors in mechanics, usage, punctuation and spelling.	e12	Draft a report that engages an audience and is concise, clear, well organized, accurate, and informative.
			e14	Use editing and revising skills to improve effectiveness and accuracy of drafts.
			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.
			e54	Organize supporting detail in logical and convincing patterns.
LA.B 1.4.3	L	Produces final documents that have been edited for: correct spelling; correct punctuation, including commas, colons, and common use of semicolons; correct capitalization; correct sentence formation; correct instances of possessives, subject/verb agreement, instances of noun/pronoun agreement and the intentional use of fragments for effect; and correct formatting that appeals to readers, including appropriate use of a variety of graphics, tables, charts and illustrations in both standard and innovative forms.	e14	Use editing and revising skills to improve effectiveness and accuracy of drafts.
LA.B 2.4.4	L	Selects and uses a variety of electronic media, such as the Internet, information services, and desktop publishing software programs, to create, revise, retrieve, and verify information.	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	
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LA.D 2.4.4	L	Effectively integrates multimedia and technology into presentations.	e68	Apply an understanding of the meaning of graphics, layout, white space, italics, parentheses, and other visual aids.
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Performance Task# 52.10 Prepare output files using pre-press preparations (e.g., color separation, font management, file management, use of postscript fonts, etc.).

SSS Strand: Writing		Essential Work Skills	

LA.B 1.4.2 H	Drafts and revises writing that: is focused, purposeful, and reflects insight into the writing situation; has an organizational pattern that provides for a logical progression of ideas; has effective use of transitional devices that contribute to a sense of completeness; has support that is substantial, specific, relevant, and concrete; demonstrates a commitment to and involvement with the subject; uses creative writing strategies as appropriate to the purposes of the paper; demonstrates a mature command of language with freshness of expression; has varied sentence structure; has few, if any, convention errors in mechanics, usage, punctuation and spelling.	e12	Draft a report that engages an audience and is concise, clear, well organized, accurate, and informative.
		e14	Use editing and revising skills to improve effectiveness and accuracy of drafts.
		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.
		e54	Organize supporting detail in logical and convincing patterns.
LA.B 1.4.3 L	Produces final documents that have been edited for: correct spelling; correct punctuation, including commas, colons, and common use of semicolons; correct capitalization; correct sentence formation; correct instances of possessives, subject/verb agreement, instances of noun/pronoun agreement and the intentional use of fragments for effect; and correct formatting that appeals to readers, including appropriate use of a variety of graphics, table: charts and illustrations in both standard and innovative forms.	e14	Use editing and revising skills to improve effectiveness and accuracy of drafts.
LA.B 2.4.4 L	Selects and uses a variety of electronic media, such as the Internet, information services, and desktop publishing software programs, to create, revise, retrieve, and verify information.	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
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LA.D 2.4.4 L	Effectively integrates multimedia and technology into presentations.	e68	Apply an understanding of the meaning of graphics, layout, white space, italics, parentheses, and other visual aids.
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Performance Task# 52.11 .Read work orders and prepare electronic files that meet all specifications.

SSS Strand: Writing	Essential Work Skills
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LA.B 1.4.2 H	Drafts and revises writing that: is focused, purposeful, and reflects insight into the writing situation; has an organizational pattern that provides for a logical progression of ideas; has effective use of transitional devices that contribute to a sense of completeness; has support that is substantial, specific, relevant, and concrete; demonstrates a commitment to and involvement with the subject; uses creative writing strategies as appropriate to the purposes of the paper; demonstrates a mature command of language with freshness of expression; has varied sentence structure; has few, if any, convention errors in mechanics, usage, punctuation and spelling.	e12	Draft a report that engages an audience and is concise, clear, well organized, accurate, and informative.
		e14	Use editing and revising skills to improve effectiveness and accuracy of drafts.
		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.
		e54	Organize supporting detail in logical and convincing patterns.

LA.B 1.4.3 L	Produces final documents that have been edited for: correct spelling; correct punctuation, including commas, colons, and common use of semicolons; correct capitalization; correct sentence formation; correct instances of possessives, subject/verb agreement, instances of noun/pronoun agreement and the intentional use of fragments for effect; and correct formatting that appeals to readers, including appropriate use of a variety of graphics, table: charts and illustrations in both standard and innovative forms.	e14	Use editing and revising skills to improve effectiveness and accuracy of drafts.
LA.B 2.4.4 L	Selects and uses a variety of electronic media, such as the Internet, information services, and desktop publishing software programs, to create, revise, retrieve, and verify information.	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
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LA.D 2.4.4 L	Effectively integrates multimedia and technology into presentations.	e68	Apply an understanding of the meaning of graphics, layout, white space, italics, parentheses, and other visual aids.
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Performance Task# 52.12 Design a document using grids and formats.

SSS Strand: Reading	Essential Work Skills
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LA.A 1.4.2 H	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.	e50	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.
		e50	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.
		e53	Apply personal or objective criteria for evaluating informational, persuasive and literary materials.
		e53	Apply personal or objective criteria for evaluating informational, persuasive and literary materials.

SSS Strand: Writing	Essential Work Skills
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LA.B 1.4.2 H	Drafts and revises writing that: is focused, purposeful, and reflects insight into the writing situation; has an organizational pattern that provides for a logical progression of ideas; has effective use of transitional devices that contribute to a sense of completeness; has support that is substantial, specific, relevant, and concrete; demonstrates a commitment to and involvement with the subject; uses creative writing strategies as appropriate to the purposes of the paper; demonstrates a mature command of language with freshness of expression; has varied sentence structure; has few, if any, convention errors in mechanics, usage, punctuation and spelling.	e12	Draft a report that engages an audience and is concise, clear, well organized, accurate, and informative.
		e14	Use editing and revising skills to improve effectiveness and accuracy of drafts.
		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.
		e54	Organize supporting detail in logical and convincing patterns.
LA.B 1.4.3 L	Produces final documents that have been edited for: correct spelling; correct punctuation, including commas, colons, and common use of semicolons; correct capitalization; correct sentence formation; correct instances of possessives, subject/verb agreement, instances of noun/pronoun agreement and the intentional use of fragments for effect; and correct formatting that appeals to readers, including appropriate use of a variety of graphics, table: charts and illustrations in both standard and innovative forms.	e14	Use editing and revising skills to improve effectiveness and accuracy of drafts.

LA.B 2.4.4 L	Selects and uses a variety of electronic media, such as the Internet, information services, and desktop publishing software programs, to create, revise, retrieve, and verify information.	e03	Gather information from a variety of sources, including electronic sources, and summarize, analyze, and evaluate its use for a report.
		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 2.4.4 L	Effectively integrates multimedia and technology into presentations.	e68	Apply an understanding of the meaning of graphics, layout, white space, italics, parentheses, and other visual aids.
		e68	Apply an understanding of the meaning of graphics, layout, white space, italics, parentheses, and other visual aids.
SSS Strand: Measurement		Essential Work Skills	
MA.B 1.4.3 H	Relates the concepts of measurement to similarity and proportionality in real-world situations.	m52	Find the solution of proportions with monomial and binomial terms (e.g., $x/(x-2) = 6/5$, therefore, $x = 12$).
		m52	Find the solution of proportions with monomial and binomial terms (e.g., $x/(x-2) = 6/5$, therefore, $x = 12$).
MA.B 2.4.1 H	Selects and uses direct (measured) or indirect (not measured) methods of measurement as appropriate.	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.
		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.
		m50	Use the process of integration (i.e., anti-derivatives) to determine areas, volumes, and distances.
		m50	Use the process of integration (i.e., anti-derivatives) to determine areas, volumes, and distances.
		m57	Understand the concepts of right triangle trigonometry and solve right triangles using basic trigonometric ratios (sine, cosine, tangent).
		m57	Understand the concepts of right triangle trigonometry and solve right triangles using basic trigonometric ratios (sine, cosine, tangent).
SSS Strand: Algebraic Thinking		Essential Work Skills	
MA.D 1.4.1 H	Describes, analyzes, and generalizes relationships, patterns, and functions using words, symbols, variables, tables, and graphs.	m40	Understand appropriate terminology used to define relations and functions and their properties (e.g., domain, range, function composition, inverses, etc.).
		m40	Understand appropriate terminology used to define relations and functions and their properties (e.g., domain, range, function composition, inverses, etc.).
		m45	Know the equation of a line and interpret graphically using the slope-intercept form (i.e., $y = mx+b$), and the point-slope form (i.e., $y-b=m(x-a)$).
		m45	Know the equation of a line and interpret graphically using the slope-intercept form (i.e., $y = mx+b$), and the point-slope form (i.e., $y-b=m(x-a)$).
		m47	Know how to represent the solution set of an open sentence (e.g., $x < -1$) on a number line.
		m47	Know how to represent the solution set of an open sentence (e.g., $x < -1$) on a number line.

	m64	Know how to express a linear function (e.g., $y = 1/3x+5$ using the functional notation $f(x) = 1/3x+5$, and determine the ordered pairs.
	m64	Know how to express a linear function (e.g., $y = 1/3x+5$ using the functional notation $f(x) = 1/3x+5$, and determine the ordered pairs.
	m73	Understand inverse functions as the set of ordered pairs obtained by interchanging the first and second elements of each pair belonging to a one-on-one function. Use on on-one functions to create symmetric figures consisting of the graphs of a function and its inverse function.
	m73	Understand inverse functions as the set of ordered pairs obtained by interchanging the first and second elements of each pair belonging to a one-on-one function. Use on on-one functions to create symmetric figures consisting of the graphs of a function and its inverse function.

SSS Strand: Data Analysis and Probability	Essential Work Skills
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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.
		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).
		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).
		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
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SC.H 3.4.1 M	Knows that performance testing is often conducted using small-scale models, computer simulations, or analogous systems to reduce the chance of system failure.	s115	(Not Ranked) Plan and apply real or hypothetical models and constructions to facilitate investigation and learning and the solution to practical problems.
		s115	(Not Ranked) Plan and apply real or hypothetical models and constructions to facilitate investigation and learning and the solution to practical problems.

Performance Task# 52.29	Produce documents integrating elements of design.
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SSS Strand: Writing	Essential Work Skills
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LA.B 1.4.2 H	Drafts and revises writing that: is focused, purposeful, and reflects insight into the writing situation; has an organizational pattern that provides for a logical progression of ideas; has effective use of transitional devices that contribute to a sense of completeness; has support that is substantial, specific, relevant, and concrete; demonstrates a commitment to and involvement with the subject; uses creative writing strategies as appropriate to the purposes of the paper; demonstrates a mature command of language with freshness of expression; has varied sentence structure; has few, if any, convention errors in mechanics, usage, punctuation and spelling.	e12 Draft a report that engages an audience and is concise, clear, well organized, accurate, and informative.
		e12 Draft a report that engages an audience and is concise, clear, well organized, accurate, and informative.
		e14 Use editing and revising skills to improve effectiveness and accuracy of drafts.
		e14 Use editing and revising skills to improve effectiveness and accuracy of drafts. 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.
		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.
		e54 Organize supporting detail in logical and convincing patterns. e54 Organize supporting detail in logical and convincing patterns.
LA.B 1.4.3 L	Produces final documents that have been edited for: correct spelling; correct punctuation, including commas, colons, and common use of semicolons; correct capitalization; correct sentence formation; correct instances of possessives, subject/verb agreement, instances of noun/pronoun agreement and the intentional use of fragments for effect; and correct formatting that appeals to readers, including appropriate use of a variety of graphics, table: charts and illustrations in both standard and innovative forms.	e14 Use editing and revising skills to improve effectiveness and accuracy of drafts.
		e14 Use editing and revising skills to improve effectiveness and accuracy of drafts.
LA.B 2.4.4 L	Selects and uses a variety of electronic media, such as the Internet, information services, and desktop publishing software programs, to create, revise, retrieve, and verify information.	e03 Gather information from a variety of sources, including electronic sources, and summarize, analyze, and evaluate its use for a report.
		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 2.4.4 L	Effectively integrates multimedia and technology into presentations.	e68 Apply an understanding of the meaning of graphics, layout, white space, italics, parentheses, and other visual aids. e68 Apply an understanding of the meaning of graphics, layout, white space, italics, parentheses, and other visual aids.
Outcome # 53.0 DEMONSTRATE PROFICIENCY IN DIGITAL IMAGING.		

Performance Task# 53.05 Complete projects using proper resolution and screen values. (e.g., PPI, LPI, DPI)

SSS Strand: Writing		Essential Work Skills	
LA.B 1.4.2 H	Drafts and revises writing that: is focused, purposeful, and reflects insight into the writing situation; has an organizational pattern that provides for a logical progression of ideas; has effective use of transitional devices that contribute to a sense of completeness; has support that is substantial, specific, relevant, and concrete; demonstrates a commitment to and involvement with the subject; uses creative writing strategies as appropriate to the purposes of the paper; demonstrates a mature command of language with freshness of expression; has varied sentence structure; has few, if any, convention errors in mechanics, usage, punctuation and spelling.	e12	Draft a report that engages an audience and is concise, clear, well organized, accurate, and informative.
		e14	Use editing and revising skills to improve effectiveness and accuracy of drafts.
		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.
		e54	Organize supporting detail in logical and convincing patterns.
LA.B 1.4.3 L	Produces final documents that have been edited for: correct spelling; correct punctuation, including commas, colons, and common use of semicolons; correct capitalization; correct sentence formation; correct instances of possessives, subject/verb agreement, instances of noun/pronoun agreement and the intentional use of fragments for effect; and correct formatting that appeals to readers, including appropriate use of a variety of graphics, tables, charts and illustrations in both standard and innovative forms.	e14	Use editing and revising skills to improve effectiveness and accuracy of drafts.
LA.B 2.4.4 L	Selects and uses a variety of electronic media, such as the Internet, information services, and desktop publishing software programs, to create, revise, retrieve, and verify information.	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 2.4.4 L	Effectively integrates multimedia and technology into presentations.	e68	Apply an understanding of the meaning of graphics, layout, white space, italics, parentheses, and other visual aids.

Performance Task# 53.06 Produce electronically retouched photographs.

SSS Strand: Writing		Essential Work Skills	
LA.B 1.4.2 H	Drafts and revises writing that: is focused, purposeful, and reflects insight into the writing situation; has an organizational pattern that provides for a logical progression of ideas; has effective use of transitional devices that contribute to a sense of completeness; has support that is substantial, specific, relevant, and concrete; demonstrates a commitment to and involvement with the subject; uses creative writing strategies as appropriate to the purposes of the paper; demonstrates a mature command of language with freshness of expression; has varied sentence structure; has few, if any, convention errors in mechanics, usage, punctuation and spelling.	e12	Draft a report that engages an audience and is concise, clear, well organized, accurate, and informative.
		e14	Use editing and revising skills to improve effectiveness and accuracy of drafts.
		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.

		e54	Organize supporting detail in logical and convincing patterns.
LA.B 1.4.3	L	Produces final documents that have been edited for: correct spelling; correct punctuation, including commas, colons, and common use of semicolons; correct capitalization; correct sentence formation; correct instances of possessives, subject/verb agreement, instances of noun/pronoun agreement and the intentional use of fragments for effect; and correct formatting that appeals to readers, including appropriate use of a variety of graphics, table: charts and illustrations in both standard and innovative forms.	e14 Use editing and revising skills to improve effectiveness and accuracy of drafts.
LA.B 2.4.4	L	Selects and uses a variety of electronic media, such as the Internet, information services, and desktop publishing software programs, to create, revise, retrieve, and verify information.	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
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LA.D 2.4.4	L	Effectively integrates multimedia and technology into presentations.	e68 Apply an understanding of the meaning of graphics, layout, white space, italics, parentheses, and other visual aids.
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Performance Task# 53.07 Produce projects using a digital camera.

SSS Strand: Writing	Essential Work Skills
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LA.B 1.4.2	H	Drafts and revises writing that: is focused, purposeful, and reflects insight into the writing situation; has an organizational pattern that provides for a logical progression of ideas; has effective use of transitional devices that contribute to a sense of completeness; has support that is substantial, specific, relevant, and concrete; demonstrates a commitment to and involvement with the subject; uses creative writing strategies as appropriate to the purposes of the paper; demonstrates a mature command of language with freshness of expression; has varied sentence structure; has few, if any, convention errors in mechanics, usage, punctuation and spelling.	e12 Draft a report that engages an audience and is concise, clear, well organized, accurate, and informative.
			e14 Use editing and revising skills to improve effectiveness and accuracy of drafts.
			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.
			e54 Organize supporting detail in logical and convincing patterns.
LA.B 1.4.3	L	Produces final documents that have been edited for: correct spelling; correct punctuation, including commas, colons, and common use of semicolons; correct capitalization; correct sentence formation; correct instances of possessives, subject/verb agreement, instances of noun/pronoun agreement and the intentional use of fragments for effect; and correct formatting that appeals to readers, including appropriate use of a variety of graphics, table: charts and illustrations in both standard and innovative forms.	e14 Use editing and revising skills to improve effectiveness and accuracy of drafts.
LA.B 2.4.4	L	Selects and uses a variety of electronic media, such as the Internet, information services, and desktop publishing software programs, to create, revise, retrieve, and verify information.	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
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LA.D 2.4.4	L	Effectively integrates multimedia and technology into presentations.	e68 Apply an understanding of the meaning of graphics, layout, white space, italics, parentheses, and other visual aids.
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