San Diego County Office of Education - Sweetwater Union High School District Pacing Guide/Course Description

Course Length: 2 Semesters	Classroom Instruction: 180 hours
SUHSD Course Number:	Grade Level: 10, 11, 12
SDCOE Course Number:	SDCOE Total Hours:
CBEDS Number/Title:	Year of Implementation:
Course Pre-requisites: None	Articulation (school/credits): None
CTE Industry Sector: Arts, Media and Entertainment	CTE Pathway(s): Media and Design Arts; Production & Managerial Arts; Information Technology; Manufacturing and Product Development

Job Titles: Analysts Photographer, Photojournalist, Newspaper Photographer, Newspaper Photographer, Advertising Photographer, Newspaper Photographer, Photographer, Studio Photographer, Graphic Designers.

Credential Information: Preliminary or Clear Full-Time Designated Subjects CTE Teaching Credential in Arts, Media and Entertainment

Required Textbooks: None

Supplemental Instructional Materials: Ansel Adams Photography Series: The Camera, The Film, The Print. Boston-New York Graphic Society ISBN# 1995 0821221841

Course Description: This course provides entry-level training in photography using digital technology. Employment possibilities include photographer, editor or assistant. Instruction covers the following areas: Student is introduced to digital photography from elements and principals of digital photographic design to input, output, job preparation, portfolio presentation, and safety. Students use equipment which includes: digital cameras, computers and high-end output printers. Approximately 360 hours are needed to complete this course.

Semester 1

- Unit 1: Orientation for Photographic Imaging
- Unit 2: Careers in Digital Photography
- Unit 3: Educational Opportunities
- Unit 4: Historical and Cultural Context of Digital Art
- Unit 5: Creative Digital Expression
- Unit 6: Artistic Digital Perception
- Unit 7: Elements of Digital Photographic Design
- Unit 8: Principals of Digital Design
- Unit 9: Properties of Good Digital Composition
- Unit 10: Three Types of Digital Communication
- Unit 11: Conceptual Elements of Digital Art
- Unit 12: Types of Digital Communication
- Unit 13: Understanding a Digital Camera
- Unit 14: Basic Digital Camera Operations

Semester 2

- Unit 1: Advanced Digital Camera Operation
- Unit 2: How to Approach Different Types of Digital Photography
- Unit 3: Basic Computer Operation-Hardware
- Unit 4: Downloading Digital Images
- Unit 5: Basic Photoshop Techniques
- Unit 6: Getting Started In Photoshop
- Unit 7: Color Management and Correction in Photoshop
- Unit 8: Preparing an Image for Final Output in Photoshop
- Unit 9: Advanced Photoshop Techniques
- Unit 10: Special Digital Effects
- Unit 11: Choosing a Printer
- Unit 12: Basic Safety
- Unit 13: Workplace Skills
- Unit 14: Job Search
- Unit 15: Portfolio Presentation

Semester 1 - Unit 1 - Orientation for Photographic Imaging (7.5 hours)			
Competencies	Standards	Suggested Pacing	Resources/Materials
1A - Care in the handling of	Career Technical Education:	1A: Course objectives,	Teacher and Student
Digital Photographic	*IT/MPD/TC/	expectation, and procedures	Resources:
hardware and software.	(4.1) Understand past, present, and future		*Supplemental Instructional
1B - Knowledge of & concern	technological advances as they relate to a	1B : Introduction to Digital	Materials:
for Digital Photographic	chosen pathway.	Photography	-Ansel Adams Photography
values.	(4.2) Understand the use of technological		Series: The Camera, The Film,
1C - Language & math skills	resources to gain access to, manipulate, and	1C: Hardware and Software	The Print. Boston-New York
inherent in Digital	produce information, products, and services.		Graphic Society ISBN# 1995
Photographic Design.	(4.5) Understand manufacturing-related	1D: Aesthetics	0821221841
1D - An understanding of	concepts and the applications of technological		-Art Talk, Ragans;
Digital Photographic	(systems) literacy and technical (craft) skill.		Glencoe/McGraw Hill ISBN#
terminology	*IT/TC/		1988 0026770709
1E - Appropriate human	(4.0) Students know how to use contemporary		-Criticizing Photographs, Terry
relation skills.	and emerging technological resources in		Barrett; McGraw-Hill
2A - Knowledge of art	diverse and changing personal, community,		Companies ISBN#2005
aesthetics.	and workplace environments:		0072977434
2B - Knowledge of a variety	(4.1) Understand past, present, and future		-Geometry of Design, Kimberly
of digital acquisition hardware	technological advances as they relate to a		Elam; Princeton Architectural
such as scanners and digital	chosen pathway.		Press 2001 ISBN#
cameras.	(4.2) Understand the use of technological		1568982496
2C - An understanding of	resources to gain access to, manipulate, and		-Keepers of Light, William
basic terminology,	produce information, products, and services.		Crawford Morgan & Morgan,
techniques, software and	(4.3) Understand the influence of current and		Incorporated ISBN# 1980
hardware related to Digital	emerging technology on selected segments of		0871001586
Photography.	the economy.		-Less is More, Steven Heller
2D - Knowledge of skills	(4.4) Understand effective technologies used		and Anne Fink; North Light
needed to act as art director	in Web site development and the Internet.		Books, Edition 1ISBN#1999
on Digital Photography	(4.5) Know procedures for maintaining secure		0891348999
projects.	information, preventing loss, and reducing		-Minimal Graphics, Catherine
2E - An understanding of	risk.		Fishel and Gail Deibler Finke;
resolution, image size, output	Core Academic:		Rockport Publishers ISBN#
and downloading to a variety	*S/I&E/G9-12/		1900 1564966283
of storage media.	(1.b) Identify and communicate sources of		-Photography: A Cultural
2F - Ability to know what	unavoidable experimental error.		History, Mary Warner Marien;
camera to use for various	(1.d) Formulate explanations by using logic		Prentice Hall 2002 013019856
productions as well as the	and evidence.		Real World Digital
use of 35mm digital camera			Photography, 2nd Edition

using Manual setting in a	Katrin Eismann, Sean Duggan
variety of situations.	& Tim Grey
2G - Knowledge to know what	Peachpit Press ISBN# 2003
camera equipment to use for	0321223721
various production situations.	Seizing the Light: A History of
2H - Ability to produce two-	Photography, Robert Hirsch;
dimensional Digital	McGraw-Hill Companies
Photography images utilizing	ISBN# 1999 0697143619
a variety of applications and	Adobe Software User Guide-
output devices.	Photoshop Adobe Latest
3A - Ability to maintain	edition
documentation for future	Adobe Classroom in a book-
retrieval and synthesize	Photoshop Adobe Latest
information from various	edition
sources.	
3B - Use of CD ROM based	
manuals	
3C - Use of operations	
manuals and technical	
Resource Web pages.	
3D - Use of office reference	
manuals.	
3E - Ability to find and	
retrieve information from	
various sources.	
3F - Knowledge of search	
engines for research on	
World Wide Web.	

Semester 1 - Unit 2 - Careers In Digital Photography (7.5 hours)			
Competencies	Standards	Suggested Pacing	Resources/Materials
4A - Ability to define and	Career Technical Education:	2A: Industry	Teacher and Student
manage the scope of work to	*AME/RF/		Resources:
meet multiple customer	(7.1) Understand the qualities and behaviors	2B : Researching Employment	*Supplemental Instructional
requirements.	that constitute a positive and professional	Opportunities	Materials:
4B - Ability to identify	work demeanor.		-Ansel Adams Photography
resources and risks.	(7.2) Understand the importance of	2C: Self-Employment	Series: The Camera, The Film,
4C - Ability to act as a liaison	accountability and responsibility in fulfilling		The Print. Boston-New York
between groups	personal, community, and workplace roles.	2D: Running a Business	Graphic Society ISBN# 1995
4D - Importance of creating	(7.3) Understand the need to adapt to varied		0821221841
and maintaining a	roles and responsibilities.	2E: Accounting	-Art Talk, Ragans;
harmonious relationship with	(7.4) Understand that individual actions can		Glencoe/McGraw Hill ISBN#
customers.	affect the larger community.	2F: Marketing/Networking	1988 0026770709
4E - Proficiency in Customer	(7.5) Know the current issues and trends		-Criticizing Photographs, Terry
Service Etiquette	related to the field, distinguishing the different		Barrett; McGraw-Hill
4F - Ability to find and retrieve	and convergent objectives that drive the		Companies ISBN#2005
information from various	industry.		0072977434
sources.	(7.6) Understand the value of flexibility in all		-Geometry of Design, Kimberly
5A - Knowledge of proper	aspects of the creative process		Elam; Princeton Architectural
business ethics, copyright	(e.g., nonconforming ideas and concepts) and		Press 2001 ISBN#
laws and licensing	how flexibility influences business		1568982496
agreements.	relationships (e.g., employer-client).		-Keepers of Light, William
5B - Prioritizing workloads to	(7.7) Develop a personal commitment to and		Crawford Morgan & Morgan,
various environments.	apply high-quality craftsmanship to a product		Incorporated ISBN# 1980
5D - Safety of operator and	or presentation and continually refine and		0871001586
equipment in a safe manner.	perfect it.		-Less is More, Steven Heller
5E - Proficiency in giving and	*AME/PSCT/		and Anne Fink; North Light
completing oral and written	(5.1) Apply appropriate problem-solving		Books, Edition 1ISBN#1999
instructions.	strategies and critical thinking skills to work-		0891348999
6A - Demonstrates how to	related issues and tasks.		-Minimal Graphics, Catherine
adapt to changing	(5.2) Understand the systematic problem-		Fishel and Gail Deibler Finke;
technology.	solving models that incorporate input,		Rockport Publishers ISBN#
6B - Identifies and describes	process, outcome, and feedback components.		1900 1564966283
how the industry segments	(5.3) Use critical thinking skills to make		-Photography: A Cultural
are organized and managed.	informed decisions and solve problems.		History, Mary Warner Marien;
6C - Identifies labor and	(5.4) Use the elements of the particular art		Prentice Hall 2002 013019856
regulatory issues within a	form to observe, perceive, and respond.		Real World Digital
given industry.	(5.5) Understand the application of research		Photography, 2nd Edition

- **6D** Applies effective job seeking techniques.
- **6E** Explores career opportunities & project trends in industry, investigates required education, training and necessary experience.
- **7A** Identifies key elements of industry planning.
- **7B** Identifies key elements of management.
- **7C** Demonstrates an understanding the industry finance.
- **7D** Demonstrates an understanding the underlying principles of technology.
- **7E** Demonstrates and understands the community, health, safety and environmental issues.

and analysis skills to the creation of content. *AME/CPM/

- **(3.1)** Know the personal qualifications, interests, aptitudes, knowledge, and skills necessary to succeed in careers.
- **(3.2)** Understand the scope of career opportunities and know the requirements for education, training, and licensure.
- **(3.3)** Develop a career plan that is designed to reflect career interests, pathways, and postsecondary options.
- **(3.4)** Understand the role and function of professional organizations, industry associations, and organized labor in a productive society.
- (3.5) Understand the past, present, and future trends that affect careers, such as technological developments and societal trends, and the resulting need for lifelong learning.
- **(3.6)** Know important strategies for self-promotion in the hiring process, such as job applications, résumé writing, interviewing skills, and preparation of a portfolio.
- **(3.7)** Understand the impact of the economic environment on the arts industry.
- (3.8) Understand the use of contracts in the arts industry and the principles and responsibilities of working as an independent contractor, including budgeting, project planning, advertising, and marketing strategies.

Core Academic:

*W/WS/2.5/G11-12

- **(2.5)** Write job applications and résumés:
- **a.** Provide clear and purposeful information and address the intended audience appropriately.
- **b.** Use varied levels, patterns, and types of language to achieve intended effects and aid comprehension.
- c. Modify the tone to fit the purpose and

Katrin Eismann, Sean Duggan & Tim Grey Peachpit Press ISBN# 2003 0321223721 Seizing the Light: A History of Photography, Robert Hirsch; McGraw-Hill Companies ISBN# 1999 0697143619 Adobe Software User Guide-Photoshop Adobe Latest edition Adobe Classroom in a book-Photoshop Adobe Latest edition

audience. d. Follow the conventional style for that type of document (e.g., résumé, memorandum) and use page formats, fonts, and spacing that contribute to the readability and impact of the document.	

Semester 1 - Unit 3 - Educational Opportunities (5 hours)			
Competencies	Standards	Suggested Pacing	Resources/Materials
8A - Attaining a	Career Technical Education:	3A: Trade schools	Teacher and Student
comprehensive	*AME/PSCT/		Resources:
understanding of all aspects	(5.1) Apply appropriate problem-solving	3B: Community Colleges and	*Supplemental Instructional
of industry the individual is	strategies and critical thinking skills to work-	Universities	Materials:
preparing to enter.	related issues and tasks.		-Ansel Adams Photography
8B - Accessing and utilizing	(5.2) Understand the systematic problem-	3C: Internships	Series: The Camera, The Film,
technology & information.	solving models that incorporate input,		The Print. Boston-New York
8C - Thinking critically &	process, outcome, and feedback components.	3D: Other (Trade	Graphic Society ISBN# 1995
solving problems effectively.	(5.3) Use critical thinking skills to make	Organizations, User Groups,	0821221841
8D - Demonstrates ability to	informed decisions and solve problems.	Vendors)	-Art Talk, Ragans;
access and utilize technology	(5.4) Use the elements of the particular art		Glencoe/McGraw Hill ISBN#
& information.	form to observe, perceive, and respond.		1988 0026770709
8E - Demonstrates using	(5.5) Understand the application of research		-Criticizing Photographs, Terry
basic skills in reading, writing,	and analysis skills to the creation of content.		Barrett; McGraw-Hill
mathematics, listening and	*AME/CPM/		Companies ISBN#2005
speaking as they relate to	(3.1) Know the personal qualifications,		0072977434
occupation specific skills.	interests, aptitudes, knowledge, and skills		-Geometry of Design, Kimberly
8F - Demonstrates practicing	necessary to succeed in careers.		Elam; Princeton Architectural
occupational safety	(3.2) Understand the scope of career		Press 2001 ISBN#
standards.	opportunities and know the requirements for		1568982496
9A - Demonstrates	education, training, and licensure.		-Keepers of Light, William
awareness of advanced	(3.3) Develop a career plan that is designed to		Crawford Morgan & Morgan,
career and educational	reflect career interests, pathways, and		Incorporated ISBN# 1980
opportunities and the need for	postsecondary options.		0871001586
continuous education.	(3.4) Understand the role and function of		-Less is More, Steven Heller
9B - Demonstrates	professional organizations, industry		and Anne Fink; North Light
awareness of the need for	associations, and organized labor in a		Books, Edition 1ISBN#1999
continuing education and	productive society.		0891348999
learning.	(3.5) Understand the past, present, and future		-Minimal Graphics, Catherine
	trends that affect careers, such as		Fishel and Gail Deibler Finke;
	technological developments and societal		Rockport Publishers ISBN#
	trends, and the resulting need for lifelong		1900 1564966283
	learning.		-Photography: A Cultural
	(3.6) Know important strategies for self-		History, Mary Warner Marien;
	promotion in the hiring process, such as job		Prentice Hall 2002 013019856
	applications, résumé writing, interviewing		Real World Digital
	skills, and preparation of a portfolio.		Photography, 2nd Edition

	(3.7) Understand the impact of the economic environment on the arts industry. (3.8) Understand the use of contracts in the arts industry and the principles and responsibilities of working as an independent contractor, including budgeting, project planning, advertising, and marketing strategies. Core Academic: *R/RC/G11-12 (2.1) Analyze both the features and the rhetorical devices of different types of public documents (e.g., policy statements, speeches, debates, platforms) and the way in which authors use those features and devices.		Katrin Eismann, Sean Duggan & Tim Grey Peachpit Press ISBN# 2003 0321223721 Seizing the Light: A History of Photography, Robert Hirsch; McGraw-Hill Companies ISBN# 1999 0697143619 Adobe Software User Guide- Photoshop Adobe Latest edition Adobe Classroom in a book- Photoshop Adobe Latest edition
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	Semester 1 - Unit 4 - Historical And Cultural	Context Of Digital Art (5 hours)	
Competencies	Standards	Suggested Pacing	Resources/Materials
knowledge of artistic concepts and thematic elements. 18B - Understands the analysis and appreciation of different forms of visual art and how they reflect and impact culture.	*AME/A/1.3HSS/HREPV/G9-12/ (1) Students distinguish valid arguments from fallacious arguments in historical interpretations. (2) Students identify bias and prejudice in historical interpretations. (4) Students construct and test hypotheses; collect, evaluate, and employ information from multiple primary and secondary sources; and apply it in oral and written presentations. *AME/A/1.3HSS/HIN/G9-12/ (1) Students show the connections, causal and otherwise, between particular historical events and larger social, economic, and political trends and developments. (2) Students recognize the complexity of historical causes and effects, including the limitations on determining cause and effect. (3) Students interpret past events and issues within the context in which an event unfolded rather than solely in terms of present-day norms and values. (4) Students understand the meaning, implication, and impact of historical events and recognize that events could have taken other directions. Core Academic: *ELA/HSS/G9-12/ (1) Students compare the present with the past, evaluating the consequences of past events and decisions and determining the lessons that were learned. (2) Students analyze how change happens at different rates at different times; understand that some aspects can change while others remain the same; and understand that change	AA: The Role of the Visual and Digital Arts in Human History Culture. 1. Investigate universal themes and concepts in historical and contemporary periods & styles in cultures throughout the world. 2. Teach students to compare, contrast and analyze art from a variety of times, places and cultures.	Teacher and Student Resources: *Supplemental Instructional Materials: -Ansel Adams Photography Series: The Camera, The Film, The Print. Boston-New York Graphic Society ISBN# 1995 0821221841 -Art Talk, Ragans; Glencoe/McGraw Hill ISBN# 1988 0026770709 -Criticizing Photographs, Terry Barrett; McGraw-Hill Companies ISBN#2005 0072977434 -Geometry of Design, Kimberly Elam; Princeton Architectural Press 2001 ISBN# 1568982496 -Keepers of Light, William Crawford Morgan & Morgan, Incorporated ISBN# 1980 0871001586 -Less is More, Steven Heller and Anne Fink; North Light Books, Edition 1ISBN#1999 0891348999 -Minimal Graphics, Catherine Fishel and Gail Deibler Finke; Rockport Publishers ISBN# 1900 1564966283 -Photography: A Cultural History, Mary Warner Marien; Prentice Hall 2002 013019856 Real World Digital Photography, 2nd Edition

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	s complicated and affects not only technology	Katrin Eismann, Sean Duggan
a	and politics but also values and beliefs.	& Tim Grey
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		Photography, Robert Hirsch;
		McGraw-Hill Companies
		ISBN# 1999 0697143619
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		Photoshop Adobe Latest
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		Adobe Classroom in a book-
		Photoshop Adobe Latest
		edition

Semester 1 - Unit 5 - Creative Digital Expression (7.5 hours)			
Competencies	Standards	Suggested Pacing	Resources/Materials
10A - Properties of good digital composition. 10B - Principals of digital design. 10C - Elements of Digital Photographic Design. 10D - Conceptual elements of digital art. 10E - Understanding of the properties of good digital composition. 10F - Literal & figurative elements of digital communication. 10G - Meaning of objective, nonobjective, & abstract digital art.	*AME/MDAP/A1.2/CE/VA/PR/G9-12/ (2.1) Solve a visual arts problem that involves the effective use of the elements of art and the principles of design. *VAPA/AV/4.4/ (4.4) Apply various art-related theoretical perspectives to their own works of art and the work of others in classroom critiques. *Core Academic: *S/I&E/G9-12 (1.d) Formulate explanations by using logic and evidence.	 5A: Importance of originality. 5B: Creating original works of art of increasing complexity and with increased skill. 5C: How to explore a variety of visual art media, techniques and processes and how to make choices as to what to apply in a student's work. 5D: How to engage in expressive art experiences which will give the student personal insight and appreciation of others. 5E: How to effectively solve artistic problems in unique and expressive ways. 	Teacher and Student Resources: *Supplemental Instructional Materials: -Ansel Adams Photography Series: The Camera, The Film, The Print. Boston-New York Graphic Society ISBN# 1995 0821221841 -Art Talk, Ragans; Glencoe/McGraw Hill ISBN# 1988 0026770709 -Criticizing Photographs, Terry Barrett; McGraw-Hill Companies ISBN#2005 0072977434 -Geometry of Design, Kimberly Elam; Princeton Architectural Press 2001 ISBN# 1568982496 -Keepers of Light, William Crawford Morgan & Morgan, Incorporated ISBN# 1980 0871001586 -Less is More, Steven Heller and Anne Fink; North Light Books, Edition 1ISBN#1999 0891348999 -Minimal Graphics, Catherine Fishel and Gail Deibler Finke; Rockport Publishers ISBN# 1900 1564966283 -Photography: A Cultural History, Mary Warner Marien; Prentice Hall 2002 013019856 Real World Digital Photography, 2nd Edition

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Semester 1 - Unit 6 - Artistic Digital Perception (7.5 hours)			
Competencies	Standards	Suggested Pacing	Resources/Materials
19A - Coherently defines subjective and objective principles in visual arts. 19B - Can communicate both verbally and in writing about concepts and techniques related to visual art. 19C - Demonstrates ability to observe and interpret aspects of the natural world into artistic terms.	*AME/MDAP/A1.2/CE/VA/PR/G9-12/ (2.1) Solve a visual arts problem that involves the effective use of the elements of art and the principles of design. (2.4) Review and refine observational drawing skills. *Core Academic: *S/I&E/G9-12 (1.d) Formulate explanations by using logic and evidence.	6A: Artistic and Aesthetic Perception 1. Optics and Perception 2. Theory of Relativity as it Relates to Art Composition 3. Processing and Responding to Sensory Information 4. Identify Visual Elements & Principals of Digital Design using the Language of Visual Arts. 5. Describe, analyze, discuss and write about the visual characteristics of works of digital art and objects in nature.	Teacher and Student Resources: *Supplemental Instructional Materials: -Ansel Adams Photography Series: The Camera, The Film, The Print. Boston-New York Graphic Society ISBN# 1995 0821221841 -Art Talk, Ragans; Glencoe/McGraw Hill ISBN# 1988 0026770709 -Criticizing Photographs, Terry Barrett; McGraw-Hill Companies ISBN#2005 0072977434 -Geometry of Design, Kimberly Elam; Princeton Architectural Press 2001 ISBN# 1568982496 -Keepers of Light, William Crawford Morgan & Morgan, Incorporated ISBN# 1980 0871001586 -Less is More, Steven Heller and Anne Fink; North Light Books, Edition 1ISBN#1999 0891348999 -Minimal Graphics, Catherine Fishel and Gail Deibler Finke; Rockport Publishers ISBN# 1900 1564966283 -Photography: A Cultural History, Mary Warner Marien; Prentice Hall 2002 013019856 Real World Digital Photography, 2nd Edition

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Semester 1 - Unit 7 – Elements Of Digital Photographic Design (7.5 hours)			
Competencies	Standards	Suggested Pacing	Resources/Materials
20A - Demonstrates understanding of artistic patterns from external sources 20B - Demonstrates proficiency in incorporating aspects from common surroundings and objects as graphic elements 20C - Successfully defines the difference between tonal and linear art	*AME/C/2.3WO/ELC/G11-12/ (1.1) Demonstrate control of grammar, diction, and paragraph and sentence structure and an understanding of English usage. (1.2) Produce legible work that shows accurate spelling and correct punctuation and capitalization. (1.3) Reflect appropriate manuscript requirements in writing. *IT/CPM (3.1) Know the personal qualifications, interests, aptitudes, knowledge, and skills necessary to succeed in careers. (3.4) Understand the role and function of professional organizations, industry associations, and organized labor in a productive society. (3.6) Know important strategies for self-promotion in the hiring process, such as job applications, résumé writing, interviewing skills, and preparation of a portfolio. (3.7) Explore career opportunities in business through such programs as virtual enterprise, work experience, and internships. Core Academic: *M/PRS/G8-12/ (8.0) Students organize and describe distributions of data by using a number of different methods, including frequency tables, histograms, standard line and bar graphs, stem-and-leaf displays, scatterplots, and box-and-whisker plots.	7A: Teach students to identify, record and use art elements. Students to explore, analyze, and talk about what they see in the physical world and how to describe their own digital art creations. 1. Shape 2. Line 3. Value 4. Texture 5. Color 6. Form 7. Space	Teacher and Student Resources: *Supplemental Instructional Materials: -Ansel Adams Photography Series: The Camera, The Film, The Print. Boston-New York Graphic Society ISBN# 1995 0821221841 -Art Talk, Ragans; Glencoe/McGraw Hill ISBN# 1988 0026770709 -Criticizing Photographs, Terry Barrett; McGraw-Hill Companies ISBN#2005 0072977434 -Geometry of Design, Kimberly Elam; Princeton Architectural Press 2001 ISBN# 1568982496 -Keepers of Light, William Crawford Morgan & Morgan, Incorporated ISBN# 1980 0871001586 -Less is More, Steven Heller and Anne Fink; North Light Books, Edition 1ISBN#1999 0891348999 -Minimal Graphics, Catherine Fishel and Gail Deibler Finke; Rockport Publishers ISBN# 1900 1564966283 -Photography: A Cultural History, Mary Warner Marien; Prentice Hall 2002 013019856 Real World Digital Photography, 2nd Edition

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Semester 1 - Unit 8 - Principals Of Digital Design (7.5 hours)			
Competencies	Standards	Suggested Pacing	Resources/Materials
21A - Communicates and Is able to identify the various components that make up an aesthetically pleasing work of art.	*AME/MDAP/A1.1/AP/VA/ADV/G9-12/ (1.1) Analyze and discuss complex ideas, such as distortion, color theory, arbitrary color, scale, expressive content, and real versus virtual in works of art. (1.3) Analyze their works of art as to personal direction and style. (1.5) Compare how distortion is used in photography or video with how the artist uses distortion in painting or sculpture. (1.6) Describe the use of the elements of art to express mood in one or more of their works of art. (1.8) Analyze the works of a well-known artist as to the art media selected and the effect of that selection on the artist's style. Core Academic: *ELA/LS/G11-12/ (1.3) Interpret and evaluate the various ways in which events are presented and information is communicated by visual image makers (e.g., graphic artists, documentary filmmakers, illustrators, news photographers). (1.10) Evaluate when to use different kinds of effects (e.g., visual, music, sound, graphics) to create effective productions. (1.14) Analyze the techniques used in media messages for a particular audience and evaluate their effectiveness (e.g., Orson Welles' radio broadcast "War of the Worlds").	8A: The ideas that inform us and explain how the elements of digital art work together. 1. Rhythm and Motion 2. Balance 3. Unity 4. Transition 5. Contract 6. Emphasis	Teacher and Student Resources: *Supplemental Instructional Materials: -Ansel Adams Photography Series: The Camera, The Film, The Print. Boston-New York Graphic Society ISBN# 1995 0821221841 -Art Talk, Ragans; Glencoe/McGraw Hill ISBN# 1988 0026770709 -Criticizing Photographs, Terry Barrett; McGraw-Hill Companies ISBN#2005 0072977434 -Geometry of Design, Kimberly Elam; Princeton Architectural Press 2001 ISBN# 1568982496 -Keepers of Light, William Crawford Morgan & Morgan, Incorporated ISBN# 1980 0871001586 -Less is More, Steven Heller and Anne Fink; North Light Books, Edition 1ISBN#1999 0891348999 -Minimal Graphics, Catherine Fishel and Gail Deibler Finke; Rockport Publishers ISBN# 1900 1564966283 -Photography: A Cultural History, Mary Warner Marien; Prentice Hall 2002 013019856 Real World Digital Photography, 2nd Edition

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Semester 1 - Unit 9 - Properties Of Good Digital Composition (5 hours)			
Competencies	Standards	Suggested Pacing	Resources/Materials
22A - Demonstrates knowledge of proportional, spatial and sequential details in visual art.	Career Technical Education: *AME/MDAP/A1.2/CE/VA/ADV/G9-12/ (2.1) Create original works of art of increasing complexity and skill in a variety of media that reflect their feelings and points of view. Core Academic: *S/I&E/G9-12 (1.d) Formulate explanations by using logic and evidence.	9A: Center of Interest 9B: Paths of Motion 9C: Rule of Thirds	Teacher and Student Resources: *Supplemental Instructional Materials: -Ansel Adams Photography Series: The Camera, The Film, The Print. Boston-New York Graphic Society ISBN# 1995 0821221841 -Art Talk, Ragans; Glencoe/McGraw Hill ISBN# 1988 0026770709 -Criticizing Photographs, Terry Barrett; McGraw-Hill Companies ISBN#2005 0072977434 -Geometry of Design, Kimberly Elam; Princeton Architectural Press 2001 ISBN# 1568982496 -Keepers of Light, William Crawford Morgan & Morgan, Incorporated ISBN# 1980 0871001586 -Less is More, Steven Heller and Anne Fink; North Light Books, Edition 1ISBN#1999 0891348999 -Minimal Graphics, Catherine Fishel and Gail Deibler Finke; Rockport Publishers ISBN# 1900 1564966283 -Photography: A Cultural History, Mary Warner Marien; Prentice Hall 2002 013019856 Real World Digital Photography, 2nd Edition

	Katrin Eismann, Sean Duggan & Tim Grey Peachpit Press ISBN# 2003 0321223721 Seizing the Light: A History of Photography, Robert Hirsch; McGraw-Hill Companies ISBN# 1999 0697143619 Adobe Software User Guide- Photoshop Adobe Latest edition Adobe Classroom in a book- Photoshop Adobe Latest edition

Semester "1" - Unit 10 – Three Types Of Digital Communication (5 hours)			
Competencies	Standards	Suggested Pacing	Resources/Materials
23A - Understands the philosophy behind objective art. 23B - Demonstrates awareness of art that uses non-recognizable subjects, employing principles of design, such as color, line and form through use of repetition, patterns or design (non-objective). 23C - Demonstrates knowledge of, and can differentiate between, representational art and art that is theoretical or conceptual in its approach (abstract).	*AME/MDAP/A1.2/CE/VA/ADV/G9-12/ (2.1) Create original works of art of increasing complexity and skill in a variety of media that reflect their feelings and points of view. Core Academic: *S/I&E/G9-12 (1.d) Formulate explanations by using logic and evidence.	10A: Objective 10B: Nonobjective 10C: Abstract	Teacher and Student Resources: *Supplemental Instructional Materials: -Ansel Adams Photography Series: The Camera, The Film, The Print. Boston-New York Graphic Society ISBN# 1995 0821221841 -Art Talk, Ragans; Glencoe/McGraw Hill ISBN# 1988 0026770709 -Criticizing Photographs, Terry Barrett; McGraw-Hill Companies ISBN#2005 0072977434 -Geometry of Design, Kimberly Elam; Princeton Architectural Press 2001 ISBN# 1568982496 -Keepers of Light, William Crawford Morgan & Morgan, Incorporated ISBN# 1980 0871001586 -Less is More, Steven Heller and Anne Fink; North Light Books, Edition 1ISBN#1999 0891348999 -Minimal Graphics, Catherine Fishel and Gail Deibler Finke; Rockport Publishers ISBN# 1900 1564966283 -Photography: A Cultural History, Mary Warner Marien; Prentice Hall 2002 013019856 Real World Digital Photography, 2nd Edition

	Katrin Eismann, Sean Duggan & Tim Grey Peachpit Press ISBN# 2003 0321223721 Seizing the Light: A History of Photography, Robert Hirsch; McGraw-Hill Companies ISBN# 1999 0697143619 Adobe Software User Guide- Photoshop Adobe Latest edition Adobe Classroom in a book- Photoshop Adobe Latest edition

Semester 1 - Unit 11 - Conceptual Elements Of Digital Art (5 hours)			
Competencies	Standards	Suggested Pacing	Resources/Materials
24A - Successfully describes and creates samples of digital art that encompass different conceptual elements. 24B - Designs different types of art according to thematic guidelines.	Career Technical Education: *AME/MDAP/A1.2/CE/VA/ADV/G9-12/ (2.1) Create original works of art of increasing complexity and skill in a variety of media that reflect their feelings and points of view. Core Academic: *S/I&E/G9-12 (1.d) Formulate explanations by using logic and evidence.	11A: Content 11B: Subject 11C: Form 11D: Medium	Teacher and Student Resources: *Supplemental Instructional Materials: -Ansel Adams Photography Series: The Camera, The Film, The Print. Boston-New York Graphic Society ISBN# 1995 0821221841 -Art Talk, Ragans; Glencoe/McGraw Hill ISBN# 1988 0026770709 -Criticizing Photographs, Terry Barrett; McGraw-Hill Companies ISBN#2005 0072977434 -Geometry of Design, Kimberly Elam; Princeton Architectural Press 2001 ISBN# 1568982496 -Keepers of Light, William Crawford Morgan & Morgan, Incorporated ISBN# 1980 0871001586 -Less is More, Steven Heller and Anne Fink; North Light Books, Edition 1ISBN#1999 0891348999 -Minimal Graphics, Catherine Fishel and Gail Deibler Finke; Rockport Publishers ISBN# 1900 1564966283 -Photography: A Cultural History, Mary Warner Marien; Prentice Hall 2002 013019856 Real World Digital Photography, 2nd Edition

	Katrin Eismann, Sean Duggan & Tim Grey Peachpit Press ISBN# 2003 0321223721 Seizing the Light: A History of Photography, Robert Hirsch; McGraw-Hill Companies ISBN# 1999 0697143619 Adobe Software User Guide- Photoshop Adobe Latest edition Adobe Classroom in a book- Photoshop Adobe Latest edition

Semester 1 - Unit 12 - Types Of Digital Communication (5 hours)			
Competencies	Standards	Suggested Pacing	Resources/Materials
25A - Comprehends and is able to communicate the difference between realistic and symbolic components of visual art.	*IT/MSSVP/ (B3.1) Understand the appropriate peripherals and hardware needed to achieve maximum productivity for various projects. (B3.2) Know how to identify and integrate various types of peripherals and hardware to meet project requirements. (B3.3) Use various types of audio and video equipment (e.g., digital cameras, recorders, scanners, Web cams, CD and DVD recorders), as appropriate, for different projects. (B3.4) Understand the types of media storage and the use of appropriate file formats, and know how to convert data between media and file formats. Core Academic: *S/I&E/G9-12 (1.d) Formulate explanations by using logic and evidence.	12A: Literal 12B: Figurative	Teacher and Student Resources: *Supplemental Instructional Materials: -Ansel Adams Photography Series: The Camera, The Film, The Print. Boston-New York Graphic Society ISBN# 1995 0821221841 -Art Talk, Ragans; Glencoe/McGraw Hill ISBN# 1988 0026770709 -Criticizing Photographs, Terry Barrett; McGraw-Hill Companies ISBN#2005 0072977434 -Geometry of Design, Kimberly Elam; Princeton Architectural Press 2001 ISBN# 1568982496 -Keepers of Light, William Crawford Morgan & Morgan, Incorporated ISBN# 1980 0871001586 -Less is More, Steven Heller and Anne Fink; North Light Books, Edition 1ISBN#1999 0891348999 -Minimal Graphics, Catherine Fishel and Gail Deibler Finke; Rockport Publishers ISBN# 1900 1564966283 -Photography: A Cultural History, Mary Warner Marien; Prentice Hall 2002 013019856 Real World Digital Photography, 2nd Edition

	Katrin Eismann, Sean Duggan & Tim Grey Peachpit Press ISBN# 2003 0321223721 Seizing the Light: A History of Photography, Robert Hirsch; McGraw-Hill Companies ISBN# 1999 0697143619 Adobe Software User Guide-Photoshop Adobe Latest edition Adobe Classroom in a book-Photoshop Adobe Latest edition
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	Semester 1 - Unit 13 - Understanding A	Digital Camera (7.5 hours)	
Competencies	Standards	Suggested Pacing	Resources/Materials
12A - Demonstrates the	Career Technical Education: *IT/TC/	13A: Basic Anatomy	Teacher and Student
ability to know what camera to use for various productions as well as the use of 35 mm	(4.1) Understand past, present, and future technological advances as they relate to a	13B: Camera Design	Resources: *Supplemental Instructional Materials:
digital camera using Manual seating in a variety of	chosen pathway. (4.2) Understand the use of technological	13C: Point and Shoot	-Ansel Adams Photography Series: The Camera, The Film,
situations.	resources to gain access to, manipulate, and produce information, products, and services.	13D: Professional SLR	The Print. Boston-New York Graphic Society ISBN# 1995
	(4.3) Understand the influence of current and emerging technology on selected segments of	13E: Lenses	0821221841 -Art Talk, Ragans;
	the economy. (4.4) Understand effective technologies used	13F: Viewfinders	Glencoe/McGraw Hill ISBN# 1988 0026770709
	in Web site development and the Internet. (4.5) Know procedures for maintaining secure	13G: Exposure Control	-Criticizing Photographs, Terry Barrett; McGraw-Hill
	information, preventing loss, and reducing risk.	13H: Shooting Modes	Companies ISBN#2005 0072977434
	*AME/TKS/ (10.1) Know universal cultural concepts and	13I: Flash	-Geometry of Design, Kimberly Elam; Princeton Architectural
	identify cultural differences. (10.2) Articulate the characteristics of various	13J: Playback options	Press 2001 ISBN# 1568982496
	art forms from past and present cultures and analyze similar themes used by various	13K: Storage and Input/Output	-Keepers of Light, William Crawford Morgan & Morgan,
	cultures in a variety of arts settings. (10.3) Understand the historic impact of the	13L: Batteries	Incorporated ISBN# 1980 0871001586
	arts and technology on society. (10.4) Compare and contrast the roles of creators, performers, and others involved in the production and presentation of the arts.	13M: Special features	-Less is More, Steven Heller and Anne Fink; North Light Books, Edition 1ISBN#1999 0891348999
	(10.5) Define the factors that could affect creators, performers, and others involved in		-Minimal Graphics, Catherine Fishel and Gail Deibler Finke;
	the production and presentation of the arts. (10.6) Know the appropriate skills and vocabulary of the art form.		Rockport Publishers ISBN# 1900 1564966283 -Photography: A Cultural
	(10.7) Understand and analyze the elements of the art form.		History, Mary Warner Marien; Prentice Hall 2002 013019856
	(10.8) Know key influences on the origin and evolution of art, technology, media, and		Real World Digital Photography, 2nd Edition

performance (e.g., the influence of historical styles on contemporary idioms). (10.9) Understand the economic basis of forprofit and not-for-profit performing arts organizational structures. (10.10) Use technical applications in the creative process, where appropriate. (10.11) Know the ways in which literature builds an understanding of the many dimensions (e.g., intellectual and philosophical, moral and ethical, aesthetic) of human experience. (10.12) Use a variety of strategies (e.g., personal experience, discussion, research) to comprehend, interpret, evaluate, and appreciate source and technical documents and materials. Core Academic: *S/I&E/1.b/G9-12 (1.b) Identify and communicate sources of unavoidable experimental error.	Katrin Eismann, Sean Duggan & Tim Grey Peachpit Press ISBN# 2003 0321223721 Seizing the Light: A History of Photography, Robert Hirsch; McGraw-Hill Companies ISBN# 1999 0697143619 Adobe Software User Guide-Photoshop Adobe Latest edition Adobe Classroom in a book-Photoshop Adobe Latest edition

	Semester 1 - Unit 14 – Basic Digital Cam	nera Operations (7.5 hours)	
Competencies	Standards	Suggested Pacing	Resources/Materials
25A - Demonstrates	Career Technical Education:	14A: Initial Camera Settings	Teacher and Student
competency in the setup and	*IT/TC/		Resources:
modifying of different settings and features of a digital	(4.1) Understand past, present, and future technological advances as they relate to a	14B: Framing and Focusing	*Supplemental Instructional Materials:
camera.	chosen pathway.	14C: Automatic Mode	-Ansel Adams Photography
oamora.	(4.2) Understand the use of technological		Series: The Camera, The Film,
	resources to gain access to, manipulate, and	14D: Manual Mode	The Print. Boston-New York
	produce information, products, and services.		Graphic Society ISBN# 1995
	(4.3) Understand the influence of current and	14E: Metering	0821221841
	emerging technology on selected segments of		-Art Talk, Ragans;
	the economy.	14F: Flash vs. Natural Light	Glencoe/McGraw Hill ISBN#
	(4.4) Understand effective technologies used		1988 0026770709
	in Web site development and the Internet.	14G: Energy Management	-Criticizing Photographs, Terry
	(4.5) Know procedures for maintaining secure		Barrett; McGraw-Hill
	information, preventing loss, and reducing	14H: Storage Management	Companies ISBN#2005
	risk.		0072977434
	*AME/TKS/		-Geometry of Design, Kimberly
	(10.1) Know universal cultural concepts and identify cultural differences.		Elam; Princeton Architectural Press 2001 ISBN#
	(10.2) Articulate the characteristics of various		1568982496
	art forms from past and present cultures and		-Keepers of Light, William
	analyze similar themes used by various		Crawford Morgan & Morgan,
	cultures in a variety of arts settings.		Incorporated ISBN# 1980
	(10.3) Understand the historic impact of the		0871001586
	arts and technology on society.		-Less is More, Steven Heller
	(10.4) Compare and contrast the roles of		and Anne Fink; North Light
	creators, performers, and others involved in		Books, Edition 1ISBN#1999
	the production and presentation of the arts.		0891348999
	(10.5) Define the factors that could affect		-Minimal Graphics, Catherine
	creators, performers, and others involved in		Fishel and Gail Deibler Finke;
	the production and presentation of the arts.		Rockport Publishers ISBN#
	(10.6) Know the appropriate skills and		1900 1564966283
	vocabulary of the art form.		-Photography: A Cultural
	(10.7) Understand and analyze the elements		History, Mary Warner Marien;
	of the art form.		Prentice Hall 2002 013019856
	(10.8) Know key influences on the origin and		Real World Digital
	evolution of art, technology, media, and		Photography, 2nd Edition

performance (e.g., the influence of historical styles on contemporary idioms). (10.9) Understand the economic basis of forprofit and not-for-profit performing arts organizational structures. (10.10) Use technical applications in the creative process, where appropriate. (10.11) Know the ways in which literature builds an understanding of the many dimensions (e.g., intellectual and philosophical, moral and ethical, aesthetic) of human experience. (10.12) Use a variety of strategies (e.g., personal experience, discussion, research) to comprehend, interpret, evaluate, and appreciate source and technical documents and materials. Core Academic: *S/I&E/G9-12 (1.b) Identify and communicate sources of unavoidable experimental error.	Katrin Eismann, Sean Duggan & Tim Grey Peachpit Press ISBN# 2003 0321223721 Seizing the Light: A History of Photography, Robert Hirsch; McGraw-Hill Companies ISBN# 1999 0697143619 Adobe Software User Guide-Photoshop Adobe Latest edition Adobe Classroom in a book-Photoshop Adobe Latest edition

	Semester 2 - Unit 1 - Advanced Digital C	amera Operation (10 hours)	
Competencies	Standards	Suggested Pacing	Resources/Materials
26A - Understands and	Career Technical Education:	15A: Manual Exposure	Teacher and Student
demonstrates ability to adapt	*IT/TC/		Resources:
camera settings to different	(4.1) Understand past, present, and future	15B: Depth of Field	*Supplemental Instructional
light settings, changing	technological advances as they relate to a	450 M (1) 0 (1)	Materials:
environmental elements and	chosen pathway.	15C: Motion Control	-Ansel Adams Photography
lens angle requirements for a	(4.2) Understand the use of technological	455 01 " 0 105 "	Series: The Camera, The Film,
variety of indoor and outdoor	resources to gain access to, manipulate, and	15D: Shutter Speed & Depth	The Print. Boston-New York
photo-shoot situations.	produce information, products, and services.	of Field	Graphic Society ISBN# 1995
	(4.3) Understand the influence of current and	AFE MILE Datases	0821221841
	emerging technology on selected segments of	15E: White Balance	-Art Talk, Ragans;
	the economy.	AFF: Libraryona	Glencoe/McGraw Hill ISBN#
	(4.4) Understand effective technologies used	15F: Histograms	1988 0026770709
	in Web site development and the Internet.	4EC. Notural light	-Criticizing Photographs, Terry
	(4.5) Know procedures for maintaining secure	15G: Natural light	Barrett; McGraw-Hill
	information, preventing loss, and reducing risk.	15U. Studio light	Companies ISBN#2005 0072977434
	*AME/TKS/	15H: Studio light	
	(10.1) Know universal cultural concepts and	15I: Resolution and Image	-Geometry of Design, Kimberly Elam; Princeton Architectural
	identify cultural differences.	Size	Press 2001 ISBN#
	(10.2) Articulate the characteristics of various	Size	1568982496
	art forms from past and present cultures and	15J: Output Considerations	-Keepers of Light, William
	analyze similar themes used by various	130. Output Considerations	Crawford Morgan & Morgan,
	cultures in a variety of arts settings.	15K: ISO	Incorporated ISBN# 1980
	(10.3) Understand the historic impact of the	1011.100	0871001586
	arts and technology on society.	15L: Telephoto, Wide Angle &	-Less is More, Steven Heller
	(10.4) Compare and contrast the roles of	Macro Lenses	and Anne Fink; North Light
	creators, performers, and others involved in	madic zemese	Books, Edition 1ISBN#1999
	the production and presentation of the arts.		0891348999
	(10.5) Define the factors that could affect		-Minimal Graphics, Catherine
	creators, performers, and others involved in		Fishel and Gail Deibler Finke;
	the production and presentation of the arts.		Rockport Publishers ISBN#
	(10.6) Know the appropriate skills and		1900 1564966283
	vocabulary of the art form.		-Photography: A Cultural
	(10.7) Understand and analyze the elements		History, Mary Warner Marien;
	of the art form.		Prentice Hall 2002 013019856
	(10.8) Know key influences on the origin and		Real World Digital
	evolution of art, technology, media, and		Photography, 2nd Edition

performance (e.g., the influence of historical styles on contemporary idioms). (10.9) Understand the economic basis of forprofit and not-for-profit performing arts organizational structures. (10.10) Use technical applications in the creative process, where appropriate. (10.11) Know the ways in which literature builds an understanding of the many dimensions (e.g., intellectual and philosophical, moral and ethical, aesthetic) of human experience. (10.12) Use a variety of strategies (e.g., personal experience, discussion, research) to comprehend, interpret, evaluate, and appreciate source and technical documents and materials. Core Academic: *S/I&E/G9-12/ (1.b) Identify and communicate sources of unavoidable experimental error.	Katrin Eismann, Sean Duggan & Tim Grey Peachpit Press ISBN# 2003 0321223721 Seizing the Light: A History of Photography, Robert Hirsch; McGraw-Hill Companies ISBN# 1999 0697143619 Adobe Software User Guide-Photoshop Adobe Latest edition Adobe Classroom in a book-Photoshop Adobe Latest edition

Seme	ster 2 - Unit 2 – How To Approach Different Ty	pes Of Digital Photography (7	′.5 hours)
Competencies	Standards	Suggested Pacing	Resources/Materials
27A - Successfully assesses	Career Technical Education:	16A: Portrait	Teacher and Student
and implements a wide range	*AME/TKS/		Resources:
of techniques and motifs for a	(10.1) Know universal cultural concepts and	16B: Fashion	*Supplemental Instructional
variety of different	identify cultural differences.	400 - Due divertie di continue	Materials:
photography subject matter. 27B - Is able to pull from	(10.2) Articulate the characteristics of various art forms from past and present cultures and	16C: Product/advertising	-Ansel Adams Photography Series: The Camera, The Film,
historical and archival	analyze similar themes used by various	16D: Illustration	The Print. Boston-New York
sources to create the	cultures in a variety of arts settings.	10D. mastration	Graphic Society ISBN# 1995
appropriate thematic look for	(10.3) Understand the historic impact of the	16E: Narrative/Journalistic	0821221841
the assignment given.	arts and technology on society.	1021 Harranvo/ocarrianono	-Art Talk, Ragans;
27C - Is familiar with, and	(10.4) Compare and contrast the roles of	16F : Architectural	Glencoe/McGraw Hill ISBN#
knowledgeable about,	creators, performers, and others involved in		1988 0026770709
different techniques and	the production and presentation of the arts.	16G : Food	-Criticizing Photographs, Terry
special effects appropriate to	(10.5) Define the factors that could affect		Barrett; McGraw-Hill
the subject matter being	creators, performers, and others involved in	16H: Wedding	Companies ISBN#2005
photographed.	the production and presentation of the arts.		0072977434
	(10.6) Know the appropriate skills and	16I: Sports	-Geometry of Design, Kimberly
	vocabulary of the art form.		Elam; Princeton Architectural
	(10.7) Understand and analyze the elements	16J: Shooting of the Web	Press 2001 ISBN#
	of the art form.	4016 5: 4 4 5: 11	1568982496
	(10.8) Know key influences on the origin and	16K: Fine Art Digital	-Keepers of Light, William
	evolution of art, technology, media, and	Photography	Crawford Morgan & Morgan,
	performance (e.g., the influence of historical	1. Still life	Incorporated ISBN# 1980
	styles on contemporary idioms).	2. Landscape	0871001586
	(10.9) Understand the economic basis of forprofit and not-for-profit performing arts	Documentary Mixed media	-Less is More, Steven Heller and Anne Fink; North Light
	organizational structures.	5. Photo collage	Books, Edition 1ISBN#1999
	(10.10) Use technical applications in the	6. Double exposure	0891348999
	creative process, where appropriate.	7. Silhouettes	-Minimal Graphics, Catherine
	(10.11) Know the ways in which literature	8. Blown out highlights	Fishel and Gail Deibler Finke;
	builds an understanding of the many	9. Black and white	Rockport Publishers ISBN#
	dimensions (e.g., intellectual and	10. High contrast	1900 1564966283
	philosophical, moral and ethical, aesthetic) of	11. Reflections	-Photography: A Cultural
	human experience.		History, Mary Warner Marien;
	(10.12) Use a variety of strategies (e.g.,		Prentice Hall 2002 013019856
	personal experience, discussion, research) to		Real World Digital
	comprehend, interpret, evaluate, and		Photography, 2nd Edition

appreciate source and technical documents and materials. Core Academic: *HSS/G9-12/ (1) Students compare the present with the past, evaluating the consequences of past events and decisions and determining the lessons that were learned. (2) Students analyze how change happens at different rates at different times; understand that some aspects can change while others remain the same; and understand that change is complicated and affects not only technology and politics but also values and beliefs. *S/I&E/G9-12/ (1.b) Identify and communicate sources of unavoidable experimental error. Katrin Eismann, Sean Duggan & Tim Grey Peachpit Peachpit Powers (String of Peachpit Powers) (String of Peachpit Peachpit Powers) (String of Photography, Robert Hirsch; McGraw-Hill Companies ISBN# 1999 0697143619 Adobe Software User Guide-Photoshop Adobe Latest edition Adobe Classroom in a book-Photoshop Adobe Latest edition *S/I&E/G9-12/ (1.b) Identify and communicate sources of unavoidable experimental error.	and materials. Core Academic: *HSS/G9-12/ (1) Students compare the present with the past, evaluating the consequences of past events and decisions and determining the lessons that were learned. (2) Students analyze how change happens at different rates at different times; understand that some aspects can change while others remain the same; and understand that change is complicated and affects not only technology and politics but also values and beliefs. *S/I&E/G9-12/ (1.b) Identify and communicate sources of

Semester 2 - Unit 3 - Basic Computer Operation-Hardware (5 hours)			
Competencies	Standards	Suggested Pacing	Resources/Materials
13A - Copyright laws and	Career Technical Education:	17A: Role of Operation	Teacher and Student
software registration.	*IT/TC/	System	Resources:
13B - Using reference	(4.1) Understand past, present, and future		*Supplemental Instructional
materials.	technological advances as they relate to a	17B: Basic Equipment	Materials:
13C - Solving common	chosen pathway.	Operation and Terminology	-Ansel Adams Photography
hardware, software and	(4.2) Understand the use of technological		Series: The Camera, The Film,
peripheral problems.	resources to gain access to, manipulate, and	17C: Windows/Macintosh	The Print. Boston-New York
13D - Input/output devices,	produce information, products, and services.	Environment/Linux	Graphic Society ISBN# 1995
memory and storage.	(4.3) Understand the influence of current and		0821221841
13E - Computer operating	emerging technology on selected segments of	17D: Disk Management	-Art Talk, Ragans;
systems, file structures and	the economy.		Glencoe/McGraw Hill ISBN#
formats, peripheral devices	(4.4) Understand effective technologies used	17E: Computer Ethics,	1988 0026770709
and applications.	in Web site development and the Internet.	Copyright Laws and Software	-Criticizing Photographs, Terry
13F - Basic computer	(4.5) Know procedures for maintaining secure	Registration	Barrett; McGraw-Hill
operation & terminology.	information, preventing loss, and reducing	1 \(\alpha \)	Companies ISBN#2005
	risk.	17F: Virus Protection	0072977434
	Core Academic:	470 1 (/0 1 / 0	-Geometry of Design, Kimberly
	*S/I&E/1.0/G9-12	17G: Input/Output Devices,	Elam; Princeton Architectural
	(1.a) Scientific progress is made by asking	Memory and Storage	Press 2001 ISBN#
	meaningful questions and conducting careful	4711 0	1568982496
	investigations. As a basis for understanding	17H: Common Problems and	-Keepers of Light, William
	this concept and addressing the content in the	Solution to Those Problems	Crawford Morgan & Morgan,
	other four strands, students should develop	I. "The Crash"	Incorporated ISBN# 1980
	their own questions and perform	II. How to reboot	0871001586
	investigations. Students will:	III. What to do if scanner	-Less is More, Steven Heller
	a. Select and use appropriate tools and	doesn't show up	and Anne Fink; North Light
	technology (such as computer-linked probes,	471. Danimantation	Books, Edition 1ISBN#1999
	spreadsheets, and graphing calculators) to	17I: Documentation,	0891348999
	perform tests, collect data, analyze	Reference, Material Usage	-Minimal Graphics, Catherine
	relationships, and display data.	47 la Decumentina Maintena de de	Fishel and Gail Deibler Finke;
	(1.b) Identify and communicate sources of	17J: Preventive Maintenance/	Rockport Publishers ISBN#
	unavoidable experimental error.	Minor Troubleshooting	1900 1564966283
		47V. Cofety/Equipment	-Photography: A Cultural
		17K: Safety/Equipment	History, Mary Warner Marien;
		protection procedures	Prentice Hall 2002 013019856
			Real World Digital
		1	Photography, 2nd Edition

			Katrin Eismann, Sean Duggan & Tim Grey Peachpit Press ISBN# 2003 0321223721 Seizing the Light: A History of Photography, Robert Hirsch; McGraw-Hill Companies ISBN# 1999 0697143619 Adobe Software User Guide- Photoshop Adobe Latest edition Adobe Classroom in a book- Photoshop Adobe Latest edition
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28A - Demonstrates ability to get images from digital Career Technical Education: *IT/TC/ *	
get images from digital camera and other electronic d.1) Understand past, present, and future into Photoshop files **Supplement**	tal Instructional
camera and other electronic (4.1) Understand past, present, and future *Supplement	tal Instructional
I devices I technological advances as they relate to a I 188: File Management I Materials:	ns Photography
	ns Photography
	Camera, The Film,
	oston-New York
	eiety ISBN# 1995
(4.3) Understand the influence of current and 0821221841	
emerging technology on selected segments of 18E: Resolution as it Relates -Art Talk, Ra	
	Graw Hill ISBN#
(4.4) Understand effective technologies used	
	Photographs, Terry
(4.5) Know procedures for maintaining secure Barrett; McG	
information, preventing loss, and reducing Companies I	
risk. 0072977434	
	of Design, Kimberly
	eton Architectural
identify cultural differences. Press 2001 I	-
(10.2) Articulate the characteristics of various	
	Light, William
	organ & Morgan, I ISBN# 1980
cultures in a variety of arts settings. Incorporated (10.3) Understand the historic impact of the 0871001586	
	e, Steven Heller
	nk; North Light
	on 1ISBN#1999
the production and presentation of the arts.	
	aphics, Catherine
	Sail Deibler Finke;
	blishers ISBN#
(10.6) Know the appropriate skills and	
vocabulary of the art form.	
	y Warner Marien;
	l 2002 013019856
(10.8) Know key influences on the origin and Real World I	
	, 2nd Edition

performance (e.g., the influence of historical	Katrin Eismann, Sean Duggan
styles on contemporary idioms).	& Tim Grey
(10.9) Understand the economic basis of for-	Peachpit Press ISBN# 2003
profit and not-for-profit performing arts	0321223721
organizational structures.	Seizing the Light: A History of
(10.10) Use technical applications in the	Photography, Robert Hirsch;
creative process, where appropriate.	McGraw-Hill Companies
(10.11) Know the ways in which literature	ISBN# 1999 0697143619
builds an understanding of the many	Adobe Software User Guide-
dimensions (e.g., intellectual and	Photoshop Adobe Latest
philosophical, moral and ethical, aesthetic) of	edition
human experience.	Adobe Classroom in a book-
(10.12) Use a variety of strategies (e.g.,	Photoshop Adobe Latest
personal experience, discussion, research) to	edition
comprehend, interpret, evaluate, and	
appreciate source and technical documents	
and materials.	
Core Academic:	
*S/I&E/1.0/G9-12	
(1.a) Scientific progress is made by asking	
meaningful questions and conducting careful	
investigations. As a basis for understanding	
this concept and addressing the content in the	
other four strands, students should develop	
their own questions and perform	
investigations. Students will:	
a. Select and use appropriate tools and	
technology (such as computer-linked probes,	
spreadsheets, and graphing calculators) to	
perform tests, collect data, analyze	
relationships, and display data.	
(1.b) Identify and communicate sources of	
unavoidable experimental error.	

Semester 2 - Unit 5 – Basic Photoshop Techniques (5 hours)			
Competencies	Standards	Suggested Pacing	Resources/Materials
29A - Can accurately identify	Career Technical Education:	19A: Tool Bar	Teacher and Student
the fundamental tools	*IT/TC/		Resources:
available in Photoshop.	(4.1) Understand past, present, and future	19B: Short cuts	*Supplemental Instructional
29B - Demonstrates	technological advances as they relate to a		Materials:
familiarity and ease of use	chosen pathway.	19C: Menu Bar	-Ansel Adams Photography
with shortcuts and menu	(4.2) Understand the use of technological		Series: The Camera, The Film,
items.	resources to gain access to, manipulate, and	19D: Getting around, Zoom,	The Print. Boston-New York
	produce information, products, and services.	Move, History	Graphic Society ISBN# 1995
	(4.3) Understand the influence of current and		0821221841
	emerging technology on selected segments of		-Art Talk, Ragans;
	the economy.		Glencoe/McGraw Hill ISBN#
	(4.4) Understand effective technologies used		1988 0026770709
	in Web site development and the Internet.		-Criticizing Photographs, Terry Barrett; McGraw-Hill
	(4.5) Know procedures for maintaining secure information, preventing loss, and reducing		Companies ISBN#2005
	risk.		0072977434
	*AME/TKS/		-Geometry of Design, Kimberly
	(10.1) Know universal cultural concepts and		Elam; Princeton Architectural
	identify cultural differences.		Press 2001 ISBN#
	(10.2) Articulate the characteristics of various		1568982496
	art forms from past and present cultures and		-Keepers of Light, William
	analyze similar themes used by various		Crawford Morgan & Morgan,
	cultures in a variety of arts settings.		Incorporated ISBN# 1980
	(10.3) Understand the historic impact of the		0871001586
	arts and technology on society.		-Less is More, Steven Heller
	(10.4) Compare and contrast the roles of		and Anne Fink; North Light
	creators, performers, and others involved in		Books, Edition 1ISBN#1999
	the production and presentation of the arts.		0891348999
	(10.5) Define the factors that could affect		-Minimal Graphics, Catherine
	creators, performers, and others involved in		Fishel and Gail Deibler Finke;
	the production and presentation of the arts.		Rockport Publishers ISBN#
	(10.6) Know the appropriate skills and		1900 1564966283
	vocabulary of the art form.		-Photography: A Cultural
	(10.7) Understand and analyze the elements		History, Mary Warner Marien;
	of the art form.		Prentice Hall 2002 013019856
	(10.8) Know key influences on the origin and		Real World Digital
	evolution of art, technology, media, and		Photography, 2nd Edition

performance (e.g., the influence of historical	Katrin Eismann, Sean Duggan
styles on contemporary idioms).	& Tim Grey
(10.9) Understand the economic basis of for-	Peachpit Press ISBN# 2003
profit and not-for-profit performing arts	0321223721
organizational structures.	Seizing the Light: A History of
(10.10) Use technical applications in the	Photography, Robert Hirsch;
creative process, where appropriate.	McGraw-Hill Companies
(10.11) Know the ways in which literature	ISBN# 1999 0697143619
builds an understanding of the many	Adobe Software User Guide-
dimensions (e.g., intellectual and	Photoshop Adobe Latest
philosophical, moral and ethical, aesthetic) of	edition
human experience.	Adobe Classroom in a book-
(10.12) Use a variety of strategies (e.g.,	Photoshop Adobe Latest
personal experience, discussion, research) to	edition
comprehend, interpret, evaluate, and	
appreciate source and technical documents	
and materials.	
Core Academic:	
LS/G11-12/	
(1.3) Interpret and evaluate the various ways	
in which events are presented and information	
is communicated by visual image makers	
(e.g., graphic artists, documentary filmmakers,	
illustrators, news photographers).	
(1.10) Evaluate when to use different kinds of	
effects (e.g., visual, music, sound, graphics) to	
create effective productions.	
(1.14) Analyze the techniques used in media	
messages for a particular audience and	
evaluate their effectiveness (e.g., Orson	
Welles' radio broadcast "War of the Worlds").	

Semester 2 - Unit 6 - Getting Started In Photoshop (7.5 hours)			
Competencies	Standards	Suggested Pacing	Resources/Materials
Competencies 30A - Demonstrates knowledge of creating new files in Photoshop, scanning an image into Photoshop, and altering color and value settings for an image in Photoshop. 30B - Can successfully create and archive a graphic file in a variety of formats. 30C - Understands the issues surrounding quality as it relates to image resolution and size.	Career Technical Education: *IT/TC/ (4.1) Understand past, present, and future technological advances as they relate to a chosen pathway. (4.2) Understand the use of technological resources to gain access to, manipulate, and produce information, products, and services. (4.3) Understand the influence of current and emerging technology on selected segments of the economy. (4.4) Understand effective technologies used in Web site development and the Internet. (4.5) Know procedures for maintaining secure information, preventing loss, and reducing risk. *AME/TKS/ (10.1) Know universal cultural concepts and identify cultural differences. (10.2) Articulate the characteristics of various art forms from past and present cultures and analyze similar themes used by various cultures in a variety of arts settings. (10.3) Understand the historic impact of the arts and technology on society. (10.4) Compare and contrast the roles of creators, performers, and others involved in the production and presentation of the arts. (10.5) Define the factors that could affect creators, performers, and others involved in the production and presentation of the arts. (10.6) Know the appropriate skills and	20A: Overview of Program Philosophy and Interface 20B: How to Set Up a New File 20C: File Size, Type and Resolution 20D: Image Modes 20E: Importing a Scanned Image 20F: Saving and File Management 20G: Preparing Images for Archival Portfolio 1. File type 2. Resolution 3. Size 20H: Image Properties 1. Brightness/Contrast 2. Curves 3. Levels 4. White & Black Point 5. Hue / Saturation	Teacher and Student Resources: *Supplemental Instructional Materials: -Ansel Adams Photography Series: The Camera, The Film, The Print. Boston-New York Graphic Society ISBN# 1995 0821221841 -Art Talk, Ragans; Glencoe/McGraw Hill ISBN# 1988 0026770709 -Criticizing Photographs, Terry Barrett; McGraw-Hill Companies ISBN#2005 0072977434 -Geometry of Design, Kimberly Elam; Princeton Architectural Press 2001 ISBN# 1568982496 -Keepers of Light, William Crawford Morgan & Morgan, Incorporated ISBN# 1980 0871001586 -Less is More, Steven Heller and Anne Fink; North Light Books, Edition 1ISBN#1999 0891348999 -Minimal Graphics, Catherine Fishel and Gail Deibler Finke; Rockport Publishers ISBN# 1900 1564966283
	vocabulary of the art form. (10.7) Understand and analyze the elements of the art form.		-Photography: A Cultural History, Mary Warner Marien; Prentice Hall 2002 013019856

(10.8) Know key influences on the origin and	Real World Digital
evolution of art, technology, media, and	Photography, 2nd Edition
performance (e.g., the influence of historical	Katrin Eismann, Sean Duggan
styles on contemporary idioms).	& Tim Grey
(10.9) Understand the economic basis of for-	Peachpit Press ISBN# 2003
profit and not-for-profit performing arts	0321223721
organizational structures.	Seizing the Light: A History of
(10.10) Use technical applications in the	Photography, Robert Hirsch;
creative process, where appropriate.	McGraw-Hill Companies
(10.11) Know the ways in which literature	ISBN# 1999 0697143619
builds an understanding of the many	Adobe Software User Guide-
dimensions (e.g., intellectual and	Photoshop Adobe Latest
philosophical, moral and ethical, aesthetic) of	edition
human experience.	Adobe Classroom in a book-
(10.12) Use a variety of strategies (e.g.,	Photoshop Adobe Latest
personal experience, discussion, research) to	edition
comprehend, interpret, evaluate, and	
appreciate source and technical documents	
and materials.	
Core Academic:	
LS/G11-12/	
(1.3) Interpret and evaluate the various ways	
in which events are presented and information	
is communicated by visual image makers	
(e.g., graphic artists, documentary filmmakers,	
illustrators, news photographers).	
(1.10) Evaluate when to use different kinds of	
effects (e.g., visual, music, sound, graphics) to	
create effective productions.	
(1.14) Analyze the techniques used in media	
messages for a particular audience and	
evaluate their effectiveness (e.g., Orson Welles' radio broadcast "War of the Worlds").	
vvelies radio broadcast vvai or the vvolids).	

Semester 2 - Unit 7 - Color Management And Correction In Photoshop (5 hours)				
Competencies	Standards	Suggested Pacing	Resources/Materials	
31A - Understands the difference between preparing images for print and the web. 31B - Demonstrates knowledge of maximizing color graphics for the world wide web.	*TT/TC/ (4.1) Understand past, present, and future technological advances as they relate to a chosen pathway. (4.2) Understand the use of technological resources to gain access to, manipulate, and produce information, products, and services. (4.3) Understand the influence of current and emerging technology on selected segments of the economy. (4.4) Understand effective technologies used in Web site development and the Internet. (4.5) Know procedures for maintaining secure information, preventing loss, and reducing risk. *AME/TKS/ (10.1) Know universal cultural concepts and identify cultural differences. (10.2) Articulate the characteristics of various art forms from past and present cultures and analyze similar themes used by various cultures in a variety of arts settings. (10.3) Understand the historic impact of the arts and technology on society. (10.4) Compare and contrast the roles of creators, performers, and others involved in the production and presentation of the arts. (10.5) Define the factors that could affect creators, performers, and others involved in the production and presentation of the arts. (10.6) Know the appropriate skills and vocabulary of the art form. (10.7) Understand and analyze the elements of the art form. (10.8) Know key influences on the origin and	22A: Preparing Images for the Web 1. Color Theory 2. Color Management System 3. Calibration & Configuration	Teacher and Student Resources: *Supplemental Instructional Materials: -Ansel Adams Photography Series: The Camera, The Film, The Print. Boston-New York Graphic Society ISBN# 1995 0821221841 -Art Talk, Ragans; Glencoe/McGraw Hill ISBN# 1988 0026770709 -Criticizing Photographs, Terry Barrett; McGraw-Hill Companies ISBN#2005 0072977434 -Geometry of Design, Kimberly Elam; Princeton Architectural Press 2001 ISBN# 1568982496 -Keepers of Light, William Crawford Morgan & Morgan, Incorporated ISBN# 1980 0871001586 -Less is More, Steven Heller and Anne Fink; North Light Books, Edition 1ISBN#1999 0891348999 -Minimal Graphics, Catherine Fishel and Gail Deibler Finke; Rockport Publishers ISBN# 1900 1564966283 -Photography: A Cultural History, Mary Warner Marien; Prentice Hall 2002 013019856 Real World Digital	

Semester 2 - Unit 8 – Preparing An Image For Final Output In Photoshop (5 hours)			
Competencies	Standards	Suggested Pacing	Resources/Materials
32A - Demonstrates	Career Technical Education:	23A: Preparing images for the	Teacher and Student
knowledge of different file	*IT/TC/	Web	Resources:
types and extensions, as well	(4.1) Understand past, present, and future	File type	*Supplemental Instructional
as handling different files and	technological advances as they relate to a	2. Resolution	Materials:
formats for web and print	chosen pathway.	3. Size	-Ansel Adams Photography
publishing.	(4.2) Understand the use of technological		Series: The Camera, The Film,
	resources to gain access to, manipulate, and	23B: Preparing images for	The Print. Boston-New York
	produce information, products, and services.	Presentation software	Graphic Society ISBN# 1995
	(4.3) Understand the influence of current and	1. File type	0821221841
	emerging technology on selected segments of	2. Resolution	-Art Talk, Ragans;
	the economy.	3. Size	Glencoe/McGraw Hill ISBN#
	(4.4) Understand effective technologies used		1988 0026770709
	in Web site development and the Internet.	23C: Preparing images for	-Criticizing Photographs, Terry
	(4.5) Know procedures for maintaining secure	Service Bureau	Barrett; McGraw-Hill
	information, preventing loss, and reducing	1. File type	Companies ISBN#2005
	risk.	2. Resolution	0072977434
	*AME/TKS/	3. Size	-Geometry of Design, Kimberly
	Students understand the essential knowledge		Elam; Princeton Architectural
	and skills common to all pathways in the Arts,	23D: Preparing image for Pre-	Press 2001 ISBN#
	Media, and Entertainment sector:	press	1568982496
	(10.1) Know universal cultural concepts and	1. File type	-Keepers of Light, William
	identify cultural differences.	2. Resolution	Crawford Morgan & Morgan,
	(10.2) Articulate the characteristics of various	3. Size	Incorporated ISBN# 1980
	art forms from past and present cultures and		0871001586
	analyze similar themes used by various	23E. Preparing images for	-Less is More, Steven Heller
	cultures in a variety of arts settings.	Archival Portfolio	and Anne Fink; North Light
	(10.3) Understand the historic impact of the	1. File type	Books, Edition 1ISBN#1999
	arts and technology on society.	2. Resolution	0891348999
	(10.4) Compare and contrast the roles of	3. Size	-Minimal Graphics, Catherine
	creators, performers, and others involved in		Fishel and Gail Deibler Finke;
	the production and presentation of the arts.		Rockport Publishers ISBN#
	(10.5) Define the factors that could affect		1900 1564966283
	creators, performers, and others involved in		-Photography: A Cultural
	the production and presentation of the arts.		History, Mary Warner Marien;
	(10.6) Know the appropriate skills and		Prentice Hall 2002 013019856
	vocabulary of the art form.		Real World Digital
	(10.7) Understand and analyze the elements		Photography, 2nd Edition

of the art form. (10.8) Know key influences on the origin and evolution of art, technology, media, and performance (e.g., the influence of historical styles on contemporary idioms). (10.9) Understand the economic basis of forprofit and not-for-profit performing arts organizational structures. (10.10) Use technical applications in the creative process, where appropriate. (10.11) Know the ways in which literature builds an understanding of the many dimensions (e.g., intellectual and philosophical, moral and ethical, aesthetic) of human experience.	Katrin Eismann, Sean Duggan & Tim Grey Peachpit Press ISBN# 2003 0321223721 Seizing the Light: A History of Photography, Robert Hirsch; McGraw-Hill Companies ISBN# 1999 0697143619 Adobe Software User Guide- Photoshop Adobe Latest edition Adobe Classroom in a book- Photoshop Adobe Latest edition
(10.12) Use a variety of strategies (e.g., personal experience, discussion, research) to comprehend, interpret, evaluate, and appreciate source and technical documents and materials. Core Academic: *S/I&E/G9-12/ (1.b) Identify and communicate sources of unavoidable experimental error.	

Semester 2 - Unit 9 - Advanced Photoshop Techniques (7.5 hours)			
Competencies	Standards	Suggested Pacing	Resources/Materials
33A - Demonstrates ability to	Career Technical Education:	24A: Layers	Teacher and Student
create layers and masks and	*IT/TC/		Resources:
use them to achieve different	(4.1) Understand past, present, and future	24B: Channels	*Supplemental Instructional
effects as required by project.	technological advances as they relate to a		Materials:
33B - Understands and	chosen pathway.	24C: Paths	-Ansel Adams Photography
implements the different	(4.2) Understand the use of technological	0.45	Series: The Camera, The Film,
features for complex graphic	resources to gain access to, manipulate, and	24D: Actions	The Print. Boston-New York
files that require advanced	produce information, products, and services.	OAF- Calaating	Graphic Society ISBN# 1995
editing in Photoshop	(4.3) Understand the influence of current and	24E: Selecting	0821221841
	emerging technology on selected segments of	24F: Masking	-Art Talk, Ragans; Glencoe/McGraw Hill ISBN#
	the economy. (4.4) Understand effective technologies used	24F. Wasking	1988 0026770709
	in Web site development and the Internet.		-Criticizing Photographs, Terry
	(4.5) Know procedures for maintaining secure		Barrett; McGraw-Hill
	information, preventing loss, and reducing		Companies ISBN#2005
	risk.		0072977434
	*AME/TKS/		-Geometry of Design, Kimberly
	(10.1) Know universal cultural concepts and		Elam; Princeton Architectural
	identify cultural differences.		Press 2001 ISBN#
	(10.2) Articulate the characteristics of various		1568982496
	art forms from past and present cultures and		-Keepers of Light, William
	analyze similar themes used by various		Crawford Morgan & Morgan,
	cultures in a variety of arts settings.		Incorporated ISBN# 1980
	(10.3) Understand the historic impact of the		0871001586
	arts and technology on society.		-Less is More, Steven Heller
	(10.4) Compare and contrast the roles of		and Anne Fink; North Light
	creators, performers, and others involved in		Books, Edition 1ISBN#1999
	the production and presentation of the arts.		0891348999
	(10.5) Define the factors that could affect		-Minimal Graphics, Catherine
	creators, performers, and others involved in		Fishel and Gail Deibler Finke;
	the production and presentation of the arts.		Rockport Publishers ISBN#
	(10.6) Know the appropriate skills and		1900 1564966283
	vocabulary of the art form.		-Photography: A Cultural
	(10.7) Understand and analyze the elements		History, Mary Warner Marien;
	of the art form.		Prentice Hall 2002 013019856
	(10.8) Know key influences on the origin and		Real World Digital
	evolution of art, technology, media, and		Photography, 2nd Edition

performance (e.g., the influence of historical	Katrin Eismann, Sean Duggan
styles on contemporary idioms).	& Tim Grey
(10.9) Understand the economic basis of for-	Peachpit Press ISBN# 2003
profit and not-for-profit performing arts	0321223721
organizational structures.	Seizing the Light: A History of
(10.10) Use technical applications in the	Photography, Robert Hirsch;
creative process, where appropriate.	McGraw-Hill Companies
(10.11) Know the ways in which literature	ISBN# 1999 0697143619
builds an understanding of the many	Adobe Software User Guide-
dimensions (e.g., intellectual and	Photoshop Adobe Latest
philosophical, moral and ethical, aesthetic) of	edition
human experience.	Adobe Classroom in a book-
(10.12) Use a variety of strategies (e.g.,	Photoshop Adobe Latest
personal experience, discussion, research) to	edition
comprehend, interpret, evaluate, and	
appreciate source and technical documents	
and materials.	
Core Academic:	
*S/I&E/G9-12/	
(1.b) Identify and communicate sources of	
unavoidable experimental error.	
*ELA/LS/G11-12/	
(1.3) Interpret and evaluate the various ways	
in which events are presented and information	
is communicated by visual image makers	
(e.g., graphic artists, documentary filmmakers,	
illustrators, news photographers).	
(1.10) Evaluate when to use different kinds of	
effects (e.g., visual, music, sound, graphics) to	
create effective productions.	
(1.14) Analyze the techniques used in media	
messages for a particular audience and	
evaluate their effectiveness (e.g., Orson	
Welles' radio broadcast "War of the Worlds").	

Semester 2 - Unit 10 - Special Digital Effects (5 hours)			
Competencies	Standards	Suggested Pacing	Resources/Materials
34A - Displays understanding	Career Technical Education:	25A: Simulating depth of field	Teacher and Student
and successfully	*IT/TC/		Resources:
communicates the purpose of	(4.1) Understand past, present, and future	25B: Airbrushing	*Supplemental Instructional
the different effects filters in	technological advances as they relate to a		Materials:
Photoshop.	chosen pathway.	25C: Compositing/Multiple	-Ansel Adams Photography
34B - Demonstrates ability to	(4.2) Understand the use of technological	imagery	Series: The Camera, The Film,
create an appropriate special	resources to gain access to, manipulate, and		The Print. Boston-New York
effect for a specified image	produce information, products, and services.	25D: Filters	Graphic Society ISBN# 1995
using any or several of the	(4.3) Understand the influence of current and		0821221841
various filters and settings in	emerging technology on selected segments of	25E: Cloning	-Art Talk, Ragans;
Photoshop	the economy.		Glencoe/McGraw Hill ISBN#
34C - Demonstrates ability to	(4.4) Understand effective technologies used	25F: Gradients	1988 0026770709
alter the appearance of an	in Web site development and the Internet.		-Criticizing Photographs, Terry
imported file using any of the	(4.5) Know procedures for maintaining secure	25G: Adding Text	Barrett; McGraw-Hill
various effects in Photoshop.	information, preventing loss, and reducing		Companies ISBN#2005
	risk.	25H: Drop shadows	0072977434
	*AME/TKS/	·	-Geometry of Design, Kimberly
	(10.1) Know universal cultural concepts and	25I: Lighting effects	Elam; Princeton Architectural
	identify cultural differences.		Press 2001 ISBN#
	(10.2) Articulate the characteristics of various	25J: Blending modes	1568982496
	art forms from past and present cultures and		-Keepers of Light, William
	analyze similar themes used by various	25K: Opacity	Crawford Morgan & Morgan,
	cultures in a variety of arts settings.		Incorporated ISBN# 1980
	(10.3) Understand the historic impact of the	25L: Dodging & burning	0871001586
	arts and technology on society.		-Less is More, Steven Heller
	(10.4) Compare and contrast the roles of		and Anne Fink; North Light
	creators, performers, and others involved in		Books, Edition 1ISBN#1999
	the production and presentation of the arts.		0891348999
	(10.5) Define the factors that could affect		-Minimal Graphics, Catherine
	creators, performers, and others involved in		Fishel and Gail Deibler Finke;
	the production and presentation of the arts.		Rockport Publishers ISBN#
	(10.6) Know the appropriate skills and		1900 1564966283
	vocabulary of the art form.		-Photography: A Cultural
	(10.7) Understand and analyze the elements		History, Mary Warner Marien;
	of the art form.		Prentice Hall 2002 013019856
	(10.8) Know key influences on the origin and		Real World Digital

evolution of art, technology, media, and	Photography, 2nd Edition
performance (e.g., the influence of historical	Katrin Eismann, Sean Duggan
styles on contemporary idioms).	& Tim Grey
(10.9) Understand the economic basis of for-	Peachpit Press ISBN# 2003
profit and not-for-profit performing arts	0321223721
organizational structures.	Seizing the Light: A History of
(10.10) Use technical applications in the	Photography, Robert Hirsch;
creative process, where appropriate.	McGraw-Hill Companies
(10.11) Know the ways in which literature	ISBN# 1999 0697143619
builds an understanding of the many	Adobe Software User Guide-
dimensions (e.g., intellectual and	Photoshop Adobe Latest
philosophical, moral and ethical, aesthetic) of	edition
human experience.	Adobe Classroom in a book-
(10.12) Use a variety of strategies (e.g.,	Photoshop Adobe Latest
personal experience, discussion, research) to	edition
comprehend, interpret, evaluate, and	
appreciate source and technical documents	
and materials.	
Core Academic:	
*ELA/LS/LSS/G11-12/	
(1.3) Interpret and evaluate the various ways	
in which events are presented and information	
is communicated by visual image makers	
(e.g., graphic artists, documentary filmmakers,	
illustrators, news photographers).	
(1.10) Evaluate when to use different kinds of	
effects (e.g., visual, music, sound, graphics) to	
create effective productions.	
(1.14) Analyze the techniques used in media	
messages for a particular audience and	
evaluate their effectiveness (e.g., Orson	
Welles' radio broadcast "War of the Worlds").	

Semester 2 - Unit 11 - Choosing A Printer (5 hours)			
Competencies	Standards	Suggested Pacing	Resources/Materials
35A - Can accurately identify	Career Technical Education:	26A: Laser printers	Teacher and Student
and define the function and differences between various	*IT/TC/ (4.1) Understand past, present, and future	26B: Dye-sublimation printers	Resources: *Supplemental Instructional
types of printers.	technological advances as they relate to a		Materials:
35B - Understand the	chosen pathway.	26C: Inkjet printers	-Ansel Adams Photography
difference between different	(4.2) Understand the use of technological		Series: The Camera, The Film,
types of media as it relates to	resources to gain access to, manipulate, and	26D: Media selection	The Print. Boston-New York
a particular type of printing	produce information, products, and services.		Graphic Society ISBN# 1995
job.	(4.3) Understand the influence of current and	26E: Ink choice	0821221841
	emerging technology on selected segments of the economy.	26F: Using your Color	-Art Talk, Ragans; Glencoe/McGraw Hill ISBN#
	(4.4) Understand effective technologies used	Management System When	1988 0026770709
	in Web site development and the Internet.	you Print	-Criticizing Photographs, Terry
	(4.5) Know procedures for maintaining secure	, , , , , , , , , , , , , , , , , , , ,	Barrett; McGraw-Hill
	information, preventing loss, and reducing		Companies ISBN#2005
	risk.		0072977434
	*AME/TKS/		-Geometry of Design, Kimberly
	(10.1) Know universal cultural concepts and		Elam; Princeton Architectural
	identify cultural differences.		Press 2001 ISBN# 1568982496
	(10.2) Articulate the characteristics of various art forms from past and present cultures and		-Keepers of Light, William
	analyze similar themes used by various		Crawford Morgan & Morgan,
	cultures in a variety of arts settings.		Incorporated ISBN# 1980
	(10.3) Understand the historic impact of the		0871001586
	arts and technology on society.		-Less is More, Steven Heller
	(10.4) Compare and contrast the roles of		and Anne Fink; North Light
	creators, performers, and others involved in		Books, Edition 1ISBN#1999
	the production and presentation of the arts.		0891348999
	(10.5) Define the factors that could affect		-Minimal Graphics, Catherine
	creators, performers, and others involved in		Fishel and Gail Deibler Finke; Rockport Publishers ISBN#
	the production and presentation of the arts. (10.6) Know the appropriate skills and		1900 1564966283
	vocabulary of the art form.		-Photography: A Cultural
	(10.7) Understand and analyze the elements		History, Mary Warner Marien;
	of the art form.		Prentice Hall 2002 013019856
	(10.8) Know key influences on the origin and		Real World Digital
	evolution of art, technology, media, and		Photography, 2nd Edition

performance (e.g., the influence of historical	Katrin Eismann, Sean Dugga
styles on contemporary idioms).	& Tim Grey
(10.9) Understand the economic basis of for-	Peachpit Press ISBN# 2003
profit and not-for-profit performing arts	0321223721
organizational structures.	Seizing the Light: A History of
(10.10) Use technical applications in the	Photography, Robert Hirsch;
creative process, where appropriate.	McGraw-Hill Companies
(10.11) Know the ways in which literature	ISBN# 1999 0697143619
builds an understanding of the many	Adobe Software User Guide-
dimensions (e.g., intellectual and	Photoshop Adobe Latest
philosophical, moral and ethical, aesthetic) of	edition
human experience.	Adobe Classroom in a book-
(10.12) Use a variety of strategies (e.g.,	Photoshop Adobe Latest
personal experience, discussion, research) to	edition
comprehend, interpret, evaluate, and	Cultion
appreciate source and technical documents	
and materials.	
Core Academic:	
*S/I&E/G9-12/	
(1.a) Scientific progress is made by asking	
meaningful questions and conducting careful	
investigations. As a basis for understanding	
this concept and addressing the content in the	
other four strands, students should develop	
their own questions and perform	
investigations. Students will:	
a. Select and use appropriate tools and	
technology (such as computer-linked probes,	
spreadsheets, and graphing calculators) to	
perform tests, collect data, analyze	
relationships, and display data.	
rolationiships, and display data.	

Semester 2 - Unit 12 - Basic Safety (5 hours)			
Competencies	Standards	Suggested Pacing	Resources/Materials
appreciation for safety guidelines and concern for others. 36B - Understand the individual risks of operating specific production technology and can explain the safeguards that must be put into place while working with printing equipment and computer hardware. 36C - Demonstrates and successfully communicates approved methods for maintaining a safe work environment.	*AME/HS/ Students understand health and safety policies, procedures, regulations, and practices, including the use of equipment and handling of hazardous materials: (6.1) Know the policies, procedures, and regulations regarding health and safety in the workplace, including employers' and employees' responsibilities. (6.2) Understand critical elements of health and safety practices related to storing, cleaning, and maintaining tools, equipment, and supplies. (6.3) Know how to take responsibility for a safe and healthy work environment. (6.4) Understand the lifestyle choices and physical preparation required to function and maintain work activities in the chosen field. (6.5) Understand the opportunities for and challenges to maintaining physical and emotional health. Core Academic: *S/I&E/G9-12/ (1.b) Identify and communicate sources of unavoidable experimental error.	27A: Safe equipment operation 27B: Safe production environment	Teacher and Student Resources: *Supplemental Instructional Materials: -Ansel Adams Photography Series: The Camera, The Film, The Print. Boston-New York Graphic Society ISBN# 1995 0821221841 -Art Talk, Ragans; Glencoe/McGraw Hill ISBN# 1988 0026770709 -Criticizing Photographs, Terry Barrett; McGraw-Hill Companies ISBN#2005 0072977434 -Geometry of Design, Kimberly Elam; Princeton Architectural Press 2001 ISBN# 1568982496 -Keepers of Light, William Crawford Morgan & Morgan, Incorporated ISBN# 1980 0871001586 -Less is More, Steven Heller and Anne Fink; North Light Books, Edition 1ISBN#1999 0891348999 -Minimal Graphics, Catherine Fishel and Gail Deibler Finke; Rockport Publishers ISBN# 1900 1564966283 -Photography: A Cultural History, Mary Warner Marien; Prentice Hall 2002 013019856 Real World Digital Photography, 2nd Edition

	Katrin Eismann, Sean Duggan & Tim Grey Peachpit Press ISBN# 2003 0321223721 Seizing the Light: A History of Photography, Robert Hirsch; McGraw-Hill Companies ISBN# 1999 0697143619 Adobe Software User Guide- Photoshop Adobe Latest edition Adobe Classroom in a book- Photoshop Adobe Latest edition

Semester 2 - Unit 13 - Workplace Skills (5 hours)			
Competencies	Standards	Suggested Pacing	Resources/Materials
effectively & appropriately. 11B - Works independently and collaboratively 11C - Successfully applies principles of teamwork and concern for others 11D - Performs reliably & responsibly. 11E - Respects diversity. 11F - Demonstrates sensitivity to diversity & sexual harassment issues. 11G - Prioritize and organize both work site and classroom assignments so they are completed in a timely manner as instructed. 11H - Apply appropriate problem solving skills during the performance of work site and classroom activities.	*MPD/CPM/ Students understand how to make effective decisions, use career information, and manage personal career plans: (3.1) Know the personal qualifications, interests, aptitudes, knowledge, and skills necessary to succeed in careers. (3.2) Understand the scope of career opportunities and know the requirements for education, training, and licensure. (3.3) Develop a career plan that is designed to reflect career interests, pathways, and postsecondary options. (3.4) Understand the role and function of professional organizations, industry associations, and organized labor in a productive society. (3.5) Understand the past, present, and future trends that affect careers, such as technological developments and societal trends, and the resulting need for lifelong learning. (3.6) Know important strategies for self-promotion in the hiring process, such as job applications, résumé writing, interviewing skills, and preparation of a portfolio. Core Academic: *ELAW/WA/G11-12/ (2.5) Write job applications and résumés: a. Provide clear and purposeful information and address the intended audience appropriately. b. Use varied levels, patterns, and types of language to achieve intended effects and aid comprehension. c. Modify the tone to fit the purpose and	28A: Interpersonal Skills 28B: Cooperating in a Diverse Work Environment 28C: Efficient Time Management 28D: Problem-solving	Teacher and Student Resources: *Supplemental Instructional Materials: -Ansel Adams Photography Series: The Camera, The Film, The Print. Boston-New York Graphic Society ISBN# 1995 0821221841 -Art Talk, Ragans; Glencoe/McGraw Hill ISBN# 1988 0026770709 -Criticizing Photographs, Terry Barrett; McGraw-Hill Companies ISBN#2005 0072977434 -Geometry of Design, Kimberly Elam; Princeton Architectural Press 2001 ISBN# 1568982496 -Keepers of Light, William Crawford Morgan & Morgan, Incorporated ISBN# 1980 0871001586 -Less is More, Steven Heller and Anne Fink; North Light Books, Edition 1ISBN#1999 0891348999 -Minimal Graphics, Catherine Fishel and Gail Deibler Finke; Rockport Publishers ISBN# 1900 1564966283 -Photography: A Cultural History, Mary Warner Marien; Prentice Hall 2002 013019856 Real World Digital Photography, 2nd Edition

	audience. d. Follow the conventional style for that type of document (e.g., résumé, memorandum) and use page formats, fonts, and spacing that contribute to the readability and impact of the document.		Katrin Eismann, Sean Duggan & Tim Grey Peachpit Press ISBN# 2003 0321223721 Seizing the Light: A History of Photography, Robert Hirsch; McGraw-Hill Companies ISBN# 1999 0697143619 Adobe Software User Guide- Photoshop Adobe Latest edition Adobe Classroom in a book- Photoshop Adobe Latest edition
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Semester 2- Unit 14 – Job Search (5 hours)			
Competencies	Standards	Suggested Pacing	Resources/Materials
16A - Completes an	Career Technical Education:	29A: Finding a Job	Teacher and Student
appropriate cover letter,	*MPD/CPM/		Resources:
resume, and job application.	(3.1) Know the personal qualifications,	29B: Applications,	*Supplemental Instructional
16B - Demonstrates	interests, aptitudes, knowledge, and skills	Correspondence	Materials:
awareness of advanced	necessary to succeed in careers.		-Ansel Adams Photography
career and educational	(3.2) Understand the scope of career	29C: Resume Writing	Series: The Camera, The Film,
opportunities and the need for	opportunities and know the requirements for		The Print. Boston-New York
continuous education.	education, training, and licensure.	29D : Professional Attire	Graphic Society ISBN# 1995
16C - Writes a cover letter to	(3.3) Develop a career plan that is designed to		0821221841
target a job.	reflect career interests, pathways, and	29E: Interview Techniques	-Art Talk, Ragans;
16D - Demonstrates	postsecondary options.		Glencoe/McGraw Hill ISBN#
awareness of the need for	(3.4) Understand the role and function of	29F: Portfolio Presentation	1988 0026770709
continuing education and	professional organizations, industry		-Criticizing Photographs, Terry
learning.	associations, and organized labor in a	29G: Industry Associations	Barrett; McGraw-Hill
16E - Demonstrates	productive society.	2011a Nietova deina	Companies ISBN#2005
appropriate methods of	(3.5) Understand the past, present, and future	29H: Networking	0072977434
delivering electronic resumes,	trends that affect careers, such as		-Geometry of Design, Kimberly
such as the internet or CD-ROM.	technological developments and societal		Elam; Princeton Architectural Press 2001 ISBN#
ROIVI.	trends, and the resulting need for lifelong learning.		1568982496
	(3.6) Know important strategies for self-		-Keepers of Light, William
	promotion in the hiring process, such as job		Crawford Morgan & Morgan,
	applications, résumé writing, interviewing		Incorporated ISBN# 1980
	skills, and preparation of a portfolio.		0871001586
	Core Academic:		-Less is More, Steven Heller
	*ELA/W/WA/G11-12/		and Anne Fink; North Light
	(2.5) Write job applications and résumés:		Books, Edition 1ISBN#1999
	a. Provide clear and purposeful information		0891348999
	and address the intended audience		-Minimal Graphics, Catherine
	appropriately.		Fishel and Gail Deibler Finke;
	b. Use varied levels, patterns, and types of		Rockport Publishers ISBN#
	language to achieve intended effects and aid		1900 1564966283
	comprehension.		-Photography: A Cultural
	c. Modify the tone to fit the purpose and		History, Mary Warner Marien;
	audience.		Prentice Hall 2002 013019856
	d. Follow the conventional style for that type		Real World Digital
	of document (e.g., résumé, memorandum)		Photography, 2nd Edition

	and use page formats, fonts, and spacing that contribute to the readability and impact of the document.		Katrin Eismann, Sean Duggan & Tim Grey Peachpit Press ISBN# 2003 0321223721 Seizing the Light: A History of Photography, Robert Hirsch; McGraw-Hill Companies ISBN# 1999 0697143619 Adobe Software User Guide- Photoshop Adobe Latest edition Adobe Classroom in a book- Photoshop Adobe Latest edition
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Semester 2 - Unit 15 - Portfolio Presentation (7.5 hours)			
Competencies	Standards	Suggested Pacing	Resources/Materials
17A - The student generates and maintains task status reports 17B - Identifies and obtains tools and resources to do the job. 17C - Designs and develops work processes and procedures. 17D - Defines time and activity plans to achieve objectives. 17E - Defines scope of work to achieve individual and group goals.	*AME/RF/ (7.1) Understand the qualities and behaviors that constitute a positive and professional work demeanor. (7.2) Understand the importance of accountability and responsibility in fulfilling personal, community, and workplace roles. (7.3) Understand the need to adapt to varied roles and responsibilities. (7.5) Know the current issues and trends related to the field, distinguishing the different and convergent objectives that drive the industry. (7.7) Develop a personal commitment to and apply high-quality craftsmanship to a product or presentation and continually refine and perfect it. *AME/MDAP/A1.5/CRA/VA/ADV/G9-12/ (5.3) Prepare portfolios of their original works of art for a variety of purposes (e.g., review for postsecondary application, exhibition, job application, and personal collection). Core Academic: *ELA/W/WS/ (1.1) Demonstrate an understanding of the elements of discourse (e.g., purpose, speaker, audience, form) when completing narrative, expository, persuasive, or descriptive writing assignments.	30A: Digital portfolio 30B: Traditional portfolio	Teacher and Student Resources: *Supplemental Instructional Materials: -Ansel Adams Photography Series: The Camera, The Film, The Print. Boston-New York Graphic Society ISBN# 1995 0821221841 -Art Talk, Ragans; Glencoe/McGraw Hill ISBN# 1988 0026770709 -Criticizing Photographs, Terry Barrett; McGraw-Hill Companies ISBN#2005 0072977434 -Geometry of Design, Kimberly Elam; Princeton Architectural Press 2001 ISBN# 1568982496 -Keepers of Light, William Crawford Morgan & Morgan, Incorporated ISBN# 1980 0871001586 -Less is More, Steven Heller and Anne Fink; North Light Books, Edition 1ISBN#1999 0891348999 -Minimal Graphics, Catherine Fishel and Gail Deibler Finke; Rockport Publishers ISBN# 1900 1564966283 -Photography: A Cultural History, Mary Warner Marien; Prentice Hall 2002 013019856 Real World Digital Photography, 2nd Edition

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