

CTE/ROP Photographic Imaging

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 Photojournalist, Advertising Photographer, News Photographer, Photo Editor, Sports 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.	

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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

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<u>Semester 1 - Unit 1 – Orientation for Photographic Imaging (7.5 hours)</u>			
Competencies	Standards	Suggested Pacing	Resources/Materials
<p>1A - Care in the handling of Digital Photographic hardware and software.</p> <p>1B - Knowledge of & concern for Digital Photographic values.</p> <p>1C - Language & math skills inherent in Digital Photographic Design.</p> <p>1D - An understanding of Digital Photographic terminology</p> <p>1E - Appropriate human relation skills.</p> <p>2A - Knowledge of art aesthetics.</p> <p>2B - Knowledge of a variety of digital acquisition hardware such as scanners and digital cameras.</p> <p>2C - An understanding of basic terminology, techniques, software and hardware related to Digital Photography.</p> <p>2D - Knowledge of skills needed to act as art director on Digital Photography projects.</p> <p>2E - An understanding of resolution, image size, output and downloading to a variety of storage media.</p> <p>2F - Ability to know what camera to use for various productions as well as the use of 35mm digital camera</p>	<p><u>Career Technical Education:</u> *IT/MPD/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. (4.5) Understand manufacturing-related concepts and the applications of technological (systems) literacy and technical (craft) skill. *IT/TC/ (4.0) Students know how to use contemporary and emerging technological resources in diverse and changing personal, community, and workplace environments: (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. <u>Core Academic:</u> *S/I&E/G9-12/ (1.b) Identify and communicate sources of unavoidable experimental error. (1.d) Formulate explanations by using logic and evidence.</p>	<p>1A: Course objectives, expectation, and procedures</p> <p>1B: Introduction to Digital Photography</p> <p>1C: Hardware and Software</p> <p>1D: Aesthetics</p>	<p><u>Teacher and Student Resources:</u> <i>*Supplemental Instructional Materials:</i> -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 1 ISBN#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</p>

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<p>using Manual setting in a variety of situations.</p> <p>2G - Knowledge to know what camera equipment to use for various production situations.</p> <p>2H - Ability to produce two-dimensional Digital Photography images utilizing a variety of applications and output devices.</p> <p>3A - Ability to maintain documentation for future retrieval and synthesize information from various sources.</p> <p>3B - Use of CD ROM based manuals</p> <p>3C - Use of operations manuals and technical Resource Web pages.</p> <p>3D - Use of office reference manuals.</p> <p>3E - Ability to find and retrieve information from various sources.</p> <p>3F - Knowledge of search engines for research on World Wide Web.</p>			<p>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</p>
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<u>Semester 1 - Unit 2 – Careers In Digital Photography (7.5 hours)</u>			
Competencies	Standards	Suggested Pacing	Resources/Materials
<p>4A - Ability to define and manage the scope of work to meet multiple customer requirements.</p> <p>4B - Ability to identify resources and risks.</p> <p>4C - Ability to act as a liaison between groups</p> <p>4D - Importance of creating and maintaining a harmonious relationship with customers.</p> <p>4E - Proficiency in Customer Service Etiquette</p> <p>4F - Ability to find and retrieve information from various sources.</p> <p>5A - Knowledge of proper business ethics, copyright laws and licensing agreements.</p> <p>5B - Prioritizing workloads to various environments.</p> <p>5D - Safety of operator and equipment in a safe manner.</p> <p>5E - Proficiency in giving and completing oral and written instructions.</p> <p>6A - Demonstrates how to adapt to changing technology.</p> <p>6B - Identifies and describes how the industry segments are organized and managed.</p> <p>6C - Identifies labor and regulatory issues within a given industry.</p>	<p><u>Career Technical Education:</u> *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. (7.4) Understand that individual actions can affect the larger community. (7.5) Know the current issues and trends related to the field, distinguishing the different and convergent objectives that drive the industry. (7.6) Understand the value of flexibility in all aspects of the creative process (e.g., nonconforming ideas and concepts) and how flexibility influences business relationships (e.g., employer-client). (7.7) Develop a personal commitment to and apply high-quality craftsmanship to a product or presentation and continually refine and perfect it. *AME/PSCT/ (5.1) Apply appropriate problem-solving strategies and critical thinking skills to work-related issues and tasks. (5.2) Understand the systematic problem-solving models that incorporate input, process, outcome, and feedback components. (5.3) Use critical thinking skills to make informed decisions and solve problems. (5.4) Use the elements of the particular art form to observe, perceive, and respond. (5.5) Understand the application of research</p>	<p>2A: Industry</p> <p>2B: Researching Employment Opportunities</p> <p>2C: Self-Employment</p> <p>2D: Running a Business</p> <p>2E: Accounting</p> <p>2F: Marketing/Networking</p>	<p><u>Teacher and Student Resources:</u> <i>*Supplemental Instructional Materials:</i> -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 1 ISBN#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</p>

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<p>6D - Applies effective job seeking techniques.</p> <p>6E - Explores career opportunities & project trends in industry, investigates required education, training and necessary experience.</p> <p>7A - Identifies key elements of industry planning.</p> <p>7B - Identifies key elements of management.</p> <p>7C - Demonstrates an understanding the industry finance.</p> <p>7D - Demonstrates an understanding the underlying principles of technology.</p> <p>7E - Demonstrates and understands the community, health, safety and environmental issues.</p>	<p>and analysis skills to the creation of content.</p> <p>*AME/CPM/</p> <p>(3.1) Know the personal qualifications, interests, aptitudes, knowledge, and skills necessary to succeed in careers.</p> <p>(3.2) Understand the scope of career opportunities and know the requirements for education, training, and licensure.</p> <p>(3.3) Develop a career plan that is designed to reflect career interests, pathways, and postsecondary options.</p> <p>(3.4) Understand the role and function of professional organizations, industry associations, and organized labor in a productive society.</p> <p>(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.</p> <p>(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.</p> <p>(3.7) Understand the impact of the economic environment on the arts industry.</p> <p>(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.</p> <p>Core Academic:</p> <p>*W/WS/2.5/G11-12</p> <p>(2.5) Write job applications and résumés:</p> <p>a. Provide clear and purposeful information and address the intended audience appropriately.</p> <p>b. Use varied levels, patterns, and types of language to achieve intended effects and aid comprehension.</p> <p>c. Modify the tone to fit the purpose and</p>		<p>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</p>
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	<p>audience.</p> <p>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.</p>		
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<u>Semester 1 - Unit 3 – Educational Opportunities (5 hours)</u>			
Competencies	Standards	Suggested Pacing	Resources/Materials
<p>8A - Attaining a comprehensive understanding of all aspects of industry the individual is preparing to enter.</p> <p>8B - Accessing and utilizing technology & information.</p> <p>8C - Thinking critically & solving problems effectively.</p> <p>8D - Demonstrates ability to access and utilize technology & information.</p> <p>8E - Demonstrates using basic skills in reading, writing, mathematics, listening and speaking as they relate to occupation specific skills.</p> <p>8F - Demonstrates practicing occupational safety standards.</p> <p>9A - Demonstrates awareness of advanced career and educational opportunities and the need for continuous education.</p> <p>9B - Demonstrates awareness of the need for continuing education and learning.</p>	<p><u>Career Technical Education:</u> *AME/PSCT/ (5.1) Apply appropriate problem-solving strategies and critical thinking skills to work-related issues and tasks. (5.2) Understand the systematic problem-solving models that incorporate input, process, outcome, and feedback components. (5.3) Use critical thinking skills to make informed decisions and solve problems. (5.4) Use the elements of the particular art form to observe, perceive, and respond. (5.5) Understand the application of research 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.</p>	<p>3A: Trade schools</p> <p>3B: Community Colleges and Universities</p> <p>3C: Internships</p> <p>3D: Other (Trade Organizations, User Groups, Vendors)</p>	<p><u>Teacher and Student Resources:</u> <i>*Supplemental Instructional Materials:</i> -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 1 ISBN#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</p>

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	<p>(3.7) Understand the impact of the economic environment on the arts industry.</p> <p>(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.</p> <p><u>Core Academic:</u> *R/RC/G11-12</p> <p>(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.</p>		<p>Katrin Eismann, Sean Duggan & Tim Grey Peachpit Press ISBN# 2003 0321223721</p> <p>Seizing the Light: A History of Photography, Robert Hirsch; McGraw-Hill Companies ISBN# 1999 0697143619</p> <p>Adobe Software User Guide-Photoshop Adobe Latest edition</p> <p>Adobe Classroom in a book-Photoshop Adobe Latest edition</p>
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<u>Semester 1 - Unit 4 – Historical And Cultural Context Of Digital Art (5 hours)</u>			
Competencies	Standards	Suggested Pacing	Resources/Materials
<p>18A - Demonstrates knowledge of artistic concepts and thematic elements.</p> <p>18B - Understands the analysis and appreciation of different forms of visual art and how they reflect and impact culture.</p>	<p><u>Career Technical Education:</u> *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. <u>Core Academic:</u> *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</p>	<p>4A: The Role of the Visual and Digital Arts in Human History Culture.</p> <p>1. Investigate universal themes and concepts in historical and contemporary periods & styles in cultures throughout the world.</p> <p>2. Teach students to compare, contrast and analyze art from a variety of times, places and cultures.</p>	<p><u>Teacher and Student Resources:</u> *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 1 ISBN#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</p>

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	<p>is complicated and affects not only technology and politics but also values and beliefs.</p>		<p>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</p>
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<u>Semester 1 - Unit 5 – Creative Digital Expression (7.5 hours)</u>			
Competencies	Standards	Suggested Pacing	Resources/Materials
<p>10A - Properties of good digital composition.</p> <p>10B - Principals of digital design.</p> <p>10C - Elements of Digital Photographic Design.</p> <p>10D - Conceptual elements of digital art.</p> <p>10E - Understanding of the properties of good digital composition.</p> <p>10F - Literal & figurative elements of digital communication.</p> <p>10G - Meaning of objective, nonobjective, & abstract digital art.</p>	<p><u>Career Technical Education:</u> *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.</p> <p><u>Core Academic:</u> *S/I&E/G9-12 (1.d) Formulate explanations by using logic and evidence.</p>	<p>5A: Importance of originality.</p> <p>5B: Creating original works of art of increasing complexity and with increased skill.</p> <p>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.</p> <p>5D: How to engage in expressive art experiences which will give the student personal insight and appreciation of others.</p> <p>5E: How to effectively solve artistic problems in unique and expressive ways.</p>	<p><u>Teacher and Student Resources:</u> <i>*Supplemental Instructional Materials:</i> -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 1 ISBN#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</p>

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<u>Semester 1 - Unit 6 – Artistic Digital Perception (7.5 hours)</u>			
Competencies	Standards	Suggested Pacing	Resources/Materials
<p>19A - Coherently defines subjective and objective principles in visual arts.</p> <p>19B - Can communicate both verbally and in writing about concepts and techniques related to visual art.</p> <p>19C - Demonstrates ability to observe and interpret aspects of the natural world into artistic terms.</p>	<p><u>Career Technical Education:</u> *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.</p> <p><u>Core Academic:</u> *S/I&E/G9-12 (1.d) Formulate explanations by using logic and evidence.</p>	<p>6A: Artistic and Aesthetic Perception</p> <ol style="list-style-type: none"> 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. 	<p><u>Teacher and Student Resources:</u> *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 1 ISBN#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</p>

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<u>Semester 1 - Unit 7 – Elements Of Digital Photographic Design (7.5 hours)</u>			
Competencies	Standards	Suggested Pacing	Resources/Materials
<p>20A - Demonstrates understanding of artistic patterns from external sources</p> <p>20B - Demonstrates proficiency in incorporating aspects from common surroundings and objects as graphic elements</p> <p>20C - Successfully defines the difference between tonal and linear art</p>	<p><u>Career Technical Education:</u> *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. <u>Core Academic:</u> *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.</p>	<p>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.</p> <ol style="list-style-type: none"> 1. Shape 2. Line 3. Value 4. Texture 5. Color 6. Form 7. Space 	<p><u>Teacher and Student Resources:</u> *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 1 ISBN#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</p>

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<u>Semester 1 - Unit 8 – Principals Of Digital Design (7.5 hours)</u>			
Competencies	Standards	Suggested Pacing	Resources/Materials
<p>21A - Communicates and Is able to identify the various components that make up an aesthetically pleasing work of art.</p>	<p><u>Career Technical Education:</u> *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. <u>Core Academic:</u> *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").</p>	<p>8A: The ideas that inform us and explain how the elements of digital art work together.</p> <ol style="list-style-type: none"> 1. Rhythm and Motion 2. Balance 3. Unity 4. Transition 5. Contract 6. Emphasis 	<p><u>Teacher and Student Resources:</u> <i>*Supplemental Instructional Materials:</i> -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 1 ISBN#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</p>

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<u>Semester 1 - Unit 9 – Properties Of Good Digital Composition (5 hours)</u>			
Competencies	Standards	Suggested Pacing	Resources/Materials
<p>22A - Demonstrates knowledge of proportional, spatial and sequential details in visual art.</p>	<p><u>Career Technical Education:</u> *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. <u>Core Academic:</u> *S/I&E/G9-12 (1.d) Formulate explanations by using logic and evidence.</p>	<p>9A: Center of Interest 9B: Paths of Motion 9C: Rule of Thirds</p>	<p><u>Teacher and Student Resources:</u> <i>*Supplemental Instructional Materials:</i> -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 1 ISBN#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</p>

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Semester "1" - Unit 10 – Three Types Of Digital Communication (5 hours)			
Competencies	Standards	Suggested Pacing	Resources/Materials
<p>23A - Understands the philosophy behind objective art.</p> <p>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).</p> <p>23C - Demonstrates knowledge of, and can differentiate between, representational art and art that is theoretical or conceptual in its approach (abstract).</p>	<p><u>Career Technical Education:</u> *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.</p> <p><u>Core Academic:</u> *S/I&E/G9-12 (1.d) Formulate explanations by using logic and evidence.</p>	<p>10A: Objective</p> <p>10B: Nonobjective</p> <p>10C: Abstract</p>	<p><u>Teacher and Student Resources:</u> <i>*Supplemental Instructional Materials:</i> -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 1 ISBN#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</p>

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<u>Semester 1 - Unit 11 – Conceptual Elements Of Digital Art (5 hours)</u>			
Competencies	Standards	Suggested Pacing	Resources/Materials
<p>24A - Successfully describes and creates samples of digital art that encompass different conceptual elements.</p> <p>24B - Designs different types of art according to thematic guidelines.</p>	<p><u>Career Technical Education:</u> *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.</p> <p><u>Core Academic:</u> *S/I&E/G9-12 (1.d) Formulate explanations by using logic and evidence.</p>	<p>11A: Content</p> <p>11B: Subject</p> <p>11C: Form</p> <p>11D: Medium</p>	<p><u>Teacher and Student Resources:</u> <i>*Supplemental Instructional Materials:</i> -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 1 ISBN#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</p>

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Semester 1 - Unit 12 – Types Of Digital Communication (5 hours)			
Competencies	Standards	Suggested Pacing	Resources/Materials
<p>25A - Comprehends and is able to communicate the difference between realistic and symbolic components of visual art.</p>	<p><u>Career Technical Education:</u> *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. <u>Core Academic:</u> *S/I&E/G9-12 (1.d) Formulate explanations by using logic and evidence.</p>	<p>12A: Literal 12B: Figurative</p>	<p><u>Teacher and Student Resources:</u> <i>*Supplemental Instructional Materials:</i> -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 1 ISBN#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</p>

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<u>Semester 1 - Unit 13 – Understanding A Digital Camera (7.5 hours)</u>			
Competencies	Standards	Suggested Pacing	Resources/Materials
<p>12A - Demonstrates the ability to know what camera to use for various productions as well as the use of 35 mm digital camera using Manual seating in a variety of situations.</p>	<p><u>Career Technical Education:</u> *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 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 evolution of art, technology, media, and</p>	<p>13A: Basic Anatomy 13B: Camera Design 13C: Point and Shoot 13D: Professional SLR 13E: Lenses 13F: Viewfinders 13G: Exposure Control 13H: Shooting Modes 13I: Flash 13J: Playback options 13K: Storage and Input/Output 13L: Batteries 13M: Special features</p>	<p><u>Teacher and Student Resources:</u> <i>*Supplemental Instructional Materials:</i> -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 1 ISBN#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</p>

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	<p>performance (e.g., the influence of historical styles on contemporary idioms).</p> <p>(10.9) Understand the economic basis of for-profit and not-for-profit performing arts organizational structures.</p> <p>(10.10) Use technical applications in the creative process, where appropriate.</p> <p>(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.</p> <p>(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.</p> <p><u>Core Academic:</u> *S/I&E/1.b/G9-12</p> <p>(1.b) Identify and communicate sources of unavoidable experimental error.</p>		<p>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</p>
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<u>Semester 1 - Unit 14 – Basic Digital Camera Operations (7.5 hours)</u>			
Competencies	Standards	Suggested Pacing	Resources/Materials
<p>25A - Demonstrates competency in the setup and modifying of different settings and features of a digital camera.</p>	<p><u>Career Technical Education:</u> *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 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 evolution of art, technology, media, and</p>	<p>14A: Initial Camera Settings 14B: Framing and Focusing 14C: Automatic Mode 14D: Manual Mode 14E: Metering 14F: Flash vs. Natural Light 14G: Energy Management 14H: Storage Management</p>	<p><u>Teacher and Student Resources:</u> <i>*Supplemental Instructional Materials:</i> -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 1 ISBN#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</p>

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	<p>performance (e.g., the influence of historical styles on contemporary idioms).</p> <p>(10.9) Understand the economic basis of for-profit and not-for-profit performing arts organizational structures.</p> <p>(10.10) Use technical applications in the creative process, where appropriate.</p> <p>(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.</p> <p>(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.</p> <p><u>Core Academic:</u> *S/I&E/G9-12</p> <p>(1.b) Identify and communicate sources of unavoidable experimental error.</p>		<p>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</p>
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<u>Semester 2 - Unit 1 – Advanced Digital Camera Operation (10 hours)</u>			
Competencies	Standards	Suggested Pacing	Resources/Materials
<p>26A - Understands and demonstrates ability to adapt camera settings to different light settings, changing environmental elements and lens angle requirements for a variety of indoor and outdoor photo-shoot situations.</p>	<p><u>Career Technical Education:</u> *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 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 evolution of art, technology, media, and</p>	<p>15A: Manual Exposure 15B: Depth of Field 15C: Motion Control 15D: Shutter Speed & Depth of Field 15E: White Balance 15F: Histograms 15G: Natural light 15H: Studio light 15I: Resolution and Image Size 15J: Output Considerations 15K: ISO 15L: Telephoto, Wide Angle & Macro Lenses</p>	<p><u>Teacher and Student Resources:</u> <i>*Supplemental Instructional Materials:</i> -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 1 ISBN#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</p>

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	<p>performance (e.g., the influence of historical styles on contemporary idioms).</p> <p>(10.9) Understand the economic basis of for-profit and not-for-profit performing arts organizational structures.</p> <p>(10.10) Use technical applications in the creative process, where appropriate.</p> <p>(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.</p> <p>(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.</p> <p><u>Core Academic:</u> <u>*S/I&E/G9-12/</u></p> <p>(1.b) Identify and communicate sources of unavoidable experimental error.</p>		<p>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</p>
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<u>Semester 2 - Unit 2 – How To Approach Different Types Of Digital Photography (7.5 hours)</u>			
Competencies	Standards	Suggested Pacing	Resources/Materials
<p>27A - Successfully assesses and implements a wide range of techniques and motifs for a variety of different photography subject matter.</p> <p>27B - Is able to pull from historical and archival sources to create the appropriate thematic look for the assignment given.</p> <p>27C - Is familiar with, and knowledgeable about, different techniques and special effects appropriate to the subject matter being photographed.</p>	<p><u>Career Technical Education:</u> *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 evolution of art, technology, media, and performance (e.g., the influence of historical styles on contemporary idioms). (10.9) Understand the economic basis of for-profit 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</p>	<p>16A: Portrait</p> <p>16B: Fashion</p> <p>16C: Product/advertising</p> <p>16D: Illustration</p> <p>16E: Narrative/Journalistic</p> <p>16F: Architectural</p> <p>16G: Food</p> <p>16H: Wedding</p> <p>16I: Sports</p> <p>16J: Shooting of the Web</p> <p>16K: Fine Art Digital Photography</p> <ol style="list-style-type: none"> 1. Still life 2. Landscape 3. Documentary 4. Mixed media 5. Photo collage 6. Double exposure 7. Silhouettes 8. Blown out highlights 9. Black and white 10. High contrast 11. Reflections 	<p><u>Teacher and Student Resources:</u> <i>*Supplemental Instructional Materials:</i> -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 1 ISBN#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</p>

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	<p>appreciate source and technical documents and materials.</p> <p>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.</p>		<p>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</p>
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<u>Semester 2 - Unit 3 – Basic Computer Operation-Hardware (5 hours)</u>			
Competencies	Standards	Suggested Pacing	Resources/Materials
<p>13A - Copyright laws and software registration.</p> <p>13B - Using reference materials.</p> <p>13C - Solving common hardware, software and peripheral problems.</p> <p>13D - Input/output devices, memory and storage.</p> <p>13E - Computer operating systems, file structures and formats, peripheral devices and applications.</p> <p>13F - Basic computer operation & terminology.</p>	<p><u>Career Technical Education:</u> *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.</p> <p><u>Core Academic:</u> *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.</p>	<p>17A: Role of Operation System</p> <p>17B: Basic Equipment Operation and Terminology</p> <p>17C: Windows/Macintosh Environment/Linux</p> <p>17D: Disk Management</p> <p>17E: Computer Ethics, Copyright Laws and Software Registration</p> <p>17F: Virus Protection</p> <p>17G: Input/Output Devices, Memory and Storage</p> <p>17H: Common Problems and Solution to Those Problems I. "The Crash" II. How to reboot III. What to do if scanner doesn't show up</p> <p>17I: Documentation, Reference, Material Usage</p> <p>17J: Preventive Maintenance/ Minor Troubleshooting</p> <p>17K: Safety/Equipment protection procedures</p>	<p><u>Teacher and Student Resources:</u> <i>*Supplemental Instructional Materials:</i> -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 1 ISBN#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</p>

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			<p>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</p>
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<u>Semester 2 - Unit 4 – Downloading Digital Images (5 hours)</u>			
Competencies	Standards	Suggested Pacing	Resources/Materials
<p>28A - Demonstrates ability to get images from digital camera and other electronic devices.</p> <p>28B - Shows understanding of the different image properties of standard graphic files.</p>	<p><u>Career Technical Education:</u> *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 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 evolution of art, technology, media, and</p>	<p>18A: How to Transfer Images into Photoshop files</p> <p>18B: File Management</p> <p>18C: File Size</p> <p>18D: File Type</p> <p>18E: Resolution as it Relates to Output and Final Product</p> <p>18F: Web Preparation</p>	<p><u>Teacher and Student Resources:</u> <i>*Supplemental Instructional Materials:</i> -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 1 ISBN#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</p>

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	<p>performance (e.g., the influence of historical styles on contemporary idioms).</p> <p>(10.9) Understand the economic basis of for-profit and not-for-profit performing arts organizational structures.</p> <p>(10.10) Use technical applications in the creative process, where appropriate.</p> <p>(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.</p> <p>(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.</p> <p><u>Core Academic:</u> *S/I&E/1.0/G9-12</p> <p>(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:</p> <p>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.</p> <p>(1.b) Identify and communicate sources of unavoidable experimental error.</p>		<p>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</p>
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<u>Semester 2 - Unit 5 – Basic Photoshop Techniques (5 hours)</u>			
Competencies	Standards	Suggested Pacing	Resources/Materials
<p>29A - Can accurately identify the fundamental tools available in Photoshop.</p> <p>29B - Demonstrates familiarity and ease of use with shortcuts and menu items.</p>	<p><u>Career Technical Education:</u> *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 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 evolution of art, technology, media, and</p>	<p>19A: Tool Bar</p> <p>19B: Short cuts</p> <p>19C: Menu Bar</p> <p>19D: Getting around, Zoom, Move, History</p>	<p><u>Teacher and Student Resources:</u> <i>*Supplemental Instructional Materials:</i> -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 1 ISBN#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</p>

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	<p>performance (e.g., the influence of historical styles on contemporary idioms).</p> <p>(10.9) Understand the economic basis of for-profit and not-for-profit performing arts organizational structures.</p> <p>(10.10) Use technical applications in the creative process, where appropriate.</p> <p>(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.</p> <p>(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.</p> <p><u>Core Academic:</u> LS/G11-12/</p> <p>(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).</p> <p>(1.10) Evaluate when to use different kinds of effects (e.g., visual, music, sound, graphics) to create effective productions.</p> <p>(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").</p>		<p>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</p>
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<u>Semester 2 - Unit 6 – Getting Started In Photoshop (7.5 hours)</u>			
Competencies	Standards	Suggested Pacing	Resources/Materials
<p>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.</p> <p>30B - Can successfully create and archive a graphic file in a variety of formats.</p> <p>30C - Understands the issues surrounding quality as it relates to image resolution and size.</p>	<p><u>Career Technical Education:</u></p> <p>*IT/TC/</p> <p>(4.1) Understand past, present, and future technological advances as they relate to a chosen pathway.</p> <p>(4.2) Understand the use of technological resources to gain access to, manipulate, and produce information, products, and services.</p> <p>(4.3) Understand the influence of current and emerging technology on selected segments of the economy.</p> <p>(4.4) Understand effective technologies used in Web site development and the Internet.</p> <p>(4.5) Know procedures for maintaining secure information, preventing loss, and reducing risk.</p> <p>*AME/TKS/</p> <p>(10.1) Know universal cultural concepts and identify cultural differences.</p> <p>(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.</p> <p>(10.3) Understand the historic impact of the arts and technology on society.</p> <p>(10.4) Compare and contrast the roles of creators, performers, and others involved in the production and presentation of the arts.</p> <p>(10.5) Define the factors that could affect creators, performers, and others involved in the production and presentation of the arts.</p> <p>(10.6) Know the appropriate skills and vocabulary of the art form.</p> <p>(10.7) Understand and analyze the elements of the art form.</p>	<p>20A: Overview of Program Philosophy and Interface</p> <p>20B: How to Set Up a New File</p> <p>20C: File Size, Type and Resolution</p> <p>20D: Image Modes</p> <p>20E: Importing a Scanned Image</p> <p>20F: Saving and File Management</p> <p>20G: Preparing Images for Archival Portfolio</p> <ol style="list-style-type: none"> 1. File type 2. Resolution 3. Size <p>20H: Image Properties</p> <ol style="list-style-type: none"> 1. Brightness/Contrast 2. Curves 3. Levels 4. White & Black Point 5. Hue / Saturation 	<p><u>Teacher and Student Resources:</u></p> <p><i>*Supplemental Instructional Materials:</i></p> <p>-Ansel Adams Photography Series: The Camera, The Film, The Print. Boston-New York Graphic Society ISBN# 1995 0821221841</p> <p>-Art Talk, Ragans; Glencoe/McGraw Hill ISBN# 1988 0026770709</p> <p>-Criticizing Photographs, Terry Barrett; McGraw-Hill Companies ISBN#2005 0072977434</p> <p>-Geometry of Design, Kimberly Elam; Princeton Architectural Press 2001 ISBN# 1568982496</p> <p>-Keepers of Light, William Crawford Morgan & Morgan, Incorporated ISBN# 1980 0871001586</p> <p>-Less is More, Steven Heller and Anne Fink; North Light Books, Edition 1 ISBN#1999 0891348999</p> <p>-Minimal Graphics, Catherine Fishel and Gail Deibler Finke; Rockport Publishers ISBN# 1900 1564966283</p> <p>-Photography: A Cultural History, Mary Warner Marien; Prentice Hall 2002 013019856</p>

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	<p>(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).</p> <p>(10.9) Understand the economic basis of for-profit and not-for-profit performing arts organizational structures.</p> <p>(10.10) Use technical applications in the creative process, where appropriate.</p> <p>(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.</p> <p>(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.</p> <p><u>Core Academic:</u> <u>LS/G11-12/</u></p> <p>(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).</p> <p>(1.10) Evaluate when to use different kinds of effects (e.g., visual, music, sound, graphics) to create effective productions.</p> <p>(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").</p>		<p>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</p>
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<u>Semester 2 - Unit 7 – Color Management And Correction In Photoshop (5 hours)</u>			
Competencies	Standards	Suggested Pacing	Resources/Materials
<p>31A - Understands the difference between preparing images for print and the web.</p> <p>31B - Demonstrates knowledge of maximizing color graphics for the world wide web.</p>	<p><u>Career Technical Education:</u></p> <p>*IT/TC/</p> <p>(4.1) Understand past, present, and future technological advances as they relate to a chosen pathway.</p> <p>(4.2) Understand the use of technological resources to gain access to, manipulate, and produce information, products, and services.</p> <p>(4.3) Understand the influence of current and emerging technology on selected segments of the economy.</p> <p>(4.4) Understand effective technologies used in Web site development and the Internet.</p> <p>(4.5) Know procedures for maintaining secure information, preventing loss, and reducing risk.</p> <p>*AME/TKS/</p> <p>(10.1) Know universal cultural concepts and identify cultural differences.</p> <p>(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.</p> <p>(10.3) Understand the historic impact of the arts and technology on society.</p> <p>(10.4) Compare and contrast the roles of creators, performers, and others involved in the production and presentation of the arts.</p> <p>(10.5) Define the factors that could affect creators, performers, and others involved in the production and presentation of the arts.</p> <p>(10.6) Know the appropriate skills and vocabulary of the art form.</p> <p>(10.7) Understand and analyze the elements of the art form.</p> <p>(10.8) Know key influences on the origin and</p>	<p>22A: Preparing Images for the Web</p> <ol style="list-style-type: none"> 1. Color Theory 2. Color Management System 3. Calibration & Configuration 	<p><u>Teacher and Student Resources:</u></p> <p><i>*Supplemental Instructional Materials:</i></p> <p>-Ansel Adams Photography Series: The Camera, The Film, The Print. Boston-New York Graphic Society ISBN# 1995 0821221841</p> <p>-Art Talk, Ragans; Glencoe/McGraw Hill ISBN# 1988 0026770709</p> <p>-Criticizing Photographs, Terry Barrett; McGraw-Hill Companies ISBN#2005 0072977434</p> <p>-Geometry of Design, Kimberly Elam; Princeton Architectural Press 2001 ISBN# 1568982496</p> <p>-Keepers of Light, William Crawford Morgan & Morgan, Incorporated ISBN# 1980 0871001586</p> <p>-Less is More, Steven Heller and Anne Fink; North Light Books, Edition 1 ISBN#1999 0891348999</p> <p>-Minimal Graphics, Catherine Fishel and Gail Deibler Finke; Rockport Publishers ISBN# 1900 1564966283</p> <p>-Photography: A Cultural History, Mary Warner Marien; Prentice Hall 2002 013019856</p> <p>Real World Digital</p>

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	<p>evolution of art, technology, media, and performance (e.g., the influence of historical styles on contemporary idioms).</p> <p>(10.9) Understand the economic basis of for-profit and not-for-profit performing arts organizational structures.</p> <p>(10.10) Use technical applications in the creative process, where appropriate.</p> <p>(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.</p> <p>(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.</p> <p><u>Core Academic:</u> <u>*M/8/PRS/G8-12/</u></p> <p>(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.</p>		<p>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</p>
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<u>Semester 2 - Unit 8 – Preparing An Image For Final Output In Photoshop (5 hours)</u>			
Competencies	Standards	Suggested Pacing	Resources/Materials
<p>32A - Demonstrates knowledge of different file types and extensions, as well as handling different files and formats for web and print publishing.</p>	<p><u>Career Technical Education:</u> *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/ Students understand the essential knowledge and skills common to all pathways in the Arts, Media, and Entertainment sector: (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</p>	<p>23A: Preparing images for the Web 1. File type 2. Resolution 3. Size</p> <p>23B: Preparing images for Presentation software 1. File type 2. Resolution 3. Size</p> <p>23C: Preparing images for Service Bureau 1. File type 2. Resolution 3. Size</p> <p>23D: Preparing image for Pre-press 1. File type 2. Resolution 3. Size</p> <p>23E. Preparing images for Archival Portfolio 1. File type 2. Resolution 3. Size</p>	<p><u>Teacher and Student Resources:</u> *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 1 ISBN#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</p>

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	<p>of the art form.</p> <p>(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).</p> <p>(10.9) Understand the economic basis of for-profit and not-for-profit performing arts organizational structures.</p> <p>(10.10) Use technical applications in the creative process, where appropriate.</p> <p>(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.</p> <p>(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.</p> <p><u>Core Academic:</u> <u>*S/I&E/G9-12/</u></p> <p>(1.b) Identify and communicate sources of unavoidable experimental error.</p>		<p>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</p>
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<u>Semester 2 - Unit 9 – Advanced Photoshop Techniques (7.5 hours)</u>			
Competencies	Standards	Suggested Pacing	Resources/Materials
<p>33A - Demonstrates ability to create layers and masks and use them to achieve different effects as required by project.</p> <p>33B - Understands and implements the different features for complex graphic files that require advanced editing in Photoshop</p>	<p><u>Career Technical Education:</u> *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 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 evolution of art, technology, media, and</p>	<p>24A: Layers</p> <p>24B: Channels</p> <p>24C: Paths</p> <p>24D: Actions</p> <p>24E: Selecting</p> <p>24F: Masking</p>	<p><u>Teacher and Student Resources:</u> <i>*Supplemental Instructional Materials:</i> -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 1 ISBN#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</p>

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	<p>performance (e.g., the influence of historical styles on contemporary idioms).</p> <p>(10.9) Understand the economic basis of for-profit and not-for-profit performing arts organizational structures.</p> <p>(10.10) Use technical applications in the creative process, where appropriate.</p> <p>(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.</p> <p>(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.</p> <p>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").</p>		<p>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</p>
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<u>Semester 2 - Unit 10 – Special Digital Effects (5 hours)</u>			
Competencies	Standards	Suggested Pacing	Resources/Materials
<p>34A - Displays understanding and successfully communicates the purpose of the different effects filters in Photoshop.</p> <p>34B - Demonstrates ability to create an appropriate special effect for a specified image using any or several of the various filters and settings in Photoshop</p> <p>34C - Demonstrates ability to alter the appearance of an imported file using any of the various effects in Photoshop.</p>	<p><u>Career Technical Education:</u> *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 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</p>	<p>25A: Simulating depth of field</p> <p>25B: Airbrushing</p> <p>25C: Compositing/Multiple imagery</p> <p>25D: Filters</p> <p>25E: Cloning</p> <p>25F: Gradients</p> <p>25G: Adding Text</p> <p>25H: Drop shadows</p> <p>25I: Lighting effects</p> <p>25J: Blending modes</p> <p>25K: Opacity</p> <p>25L: Dodging & burning</p>	<p><u>Teacher and Student Resources:</u> <i>*Supplemental Instructional Materials:</i> -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 1 ISBN#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</p>

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	<p>evolution of art, technology, media, and performance (e.g., the influence of historical styles on contemporary idioms).</p> <p>(10.9) Understand the economic basis of for-profit and not-for-profit performing arts organizational structures.</p> <p>(10.10) Use technical applications in the creative process, where appropriate.</p> <p>(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.</p> <p>(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.</p> <p><u>Core Academic:</u> *ELA/LS/LSS/G11-12/</p> <p>(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).</p> <p>(1.10) Evaluate when to use different kinds of effects (e.g., visual, music, sound, graphics) to create effective productions.</p> <p>(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").</p>		<p>Photography, 2nd Edition Katrin Eismann, Sean Duggan & Tim Grey Peachpit Press ISBN# 2003 0321223721</p> <p>Seizing the Light: A History of Photography, Robert Hirsch; McGraw-Hill Companies ISBN# 1999 0697143619</p> <p>Adobe Software User Guide-Photoshop Adobe Latest edition</p> <p>Adobe Classroom in a book-Photoshop Adobe Latest edition</p>
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<u>Semester 2 - Unit 11 – Choosing A Printer (5 hours)</u>			
Competencies	Standards	Suggested Pacing	Resources/Materials
<p>35A - Can accurately identify and define the function and differences between various types of printers.</p> <p>35B - Understand the difference between different types of media as it relates to a particular type of printing job.</p>	<p><u>Career Technical Education:</u> *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 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 evolution of art, technology, media, and</p>	<p>26A: Laser printers</p> <p>26B: Dye-sublimation printers</p> <p>26C: Inkjet printers</p> <p>26D: Media selection</p> <p>26E: Ink choice</p> <p>26F: Using your Color Management System When you Print</p>	<p><u>Teacher and Student Resources:</u> <i>*Supplemental Instructional Materials:</i> -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 1 ISBN#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</p>

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	<p>performance (e.g., the influence of historical styles on contemporary idioms).</p> <p>(10.9) Understand the economic basis of for-profit and not-for-profit performing arts organizational structures.</p> <p>(10.10) Use technical applications in the creative process, where appropriate.</p> <p>(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.</p> <p>(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.</p> <p><u>Core Academic:</u> <u>*S/I&E/G9-12/</u></p> <p>(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:</p> <p>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.</p>		<p>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</p>
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<u>Semester 2 - Unit 12 – Basic Safety (5 hours)</u>			
Competencies	Standards	Suggested Pacing	Resources/Materials
<p>36A - Demonstrates an appreciation for safety guidelines and concern for others.</p> <p>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.</p> <p>36C - Demonstrates and successfully communicates approved methods for maintaining a safe work environment.</p>	<p><u>Career Technical Education:</u> *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. <u>Core Academic:</u> *S/I&E/G9-12/ (1.b) Identify and communicate sources of unavoidable experimental error.</p>	<p>27A: Safe equipment operation</p> <p>27B: Safe production environment</p>	<p><u>Teacher and Student Resources:</u> *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 1 ISBN#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</p>

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<u>Semester 2 - Unit 13 – Workplace Skills (5 hours)</u>			
Competencies	Standards	Suggested Pacing	Resources/Materials
<p>11A - Communicates effectively & appropriately.</p> <p>11B - Works independently and collaboratively</p> <p>11C – Successfully applies principles of teamwork and concern for others</p> <p>11D - Performs reliably & responsibly.</p> <p>11E - Respects diversity.</p> <p>11F - Demonstrates sensitivity to diversity & sexual harassment issues.</p> <p>11G - Prioritize and organize both work site and classroom assignments so they are completed in a timely manner as instructed.</p> <p>11H - Apply appropriate problem solving skills during the performance of work site and classroom activities.</p>	<p><u>Career Technical Education:</u> *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.</p> <p><u>Core Academic:</u> *ELA/W/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</p>	<p>28A: Interpersonal Skills</p> <p>28B: Cooperating in a Diverse Work Environment</p> <p>28C: Efficient Time Management</p> <p>28D: Problem-solving</p>	<p><u>Teacher and Student Resources:</u> *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 1 ISBN#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</p>

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	<p>audience.</p> <p>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.</p>		<p>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</p>
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Semester 2- Unit 14 – Job Search (5 hours)			
Competencies	Standards	Suggested Pacing	Resources/Materials
<p>16A - Completes an appropriate cover letter, resume, and job application.</p> <p>16B - Demonstrates awareness of advanced career and educational opportunities and the need for continuous education.</p> <p>16C - Writes a cover letter to target a job.</p> <p>16D - Demonstrates awareness of the need for continuing education and learning.</p> <p>16E - Demonstrates appropriate methods of delivering electronic resumes, such as the internet or CD-ROM.</p>	<p><u>Career Technical Education:</u> *MPD/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.</p> <p><u>Core Academic:</u> *ELA/W/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 audience. d. Follow the conventional style for that type of document (e.g., résumé, memorandum)</p>	<p>29A: Finding a Job</p> <p>29B: Applications, Correspondence</p> <p>29C: Resume Writing</p> <p>29D: Professional Attire</p> <p>29E: Interview Techniques</p> <p>29F: Portfolio Presentation</p> <p>29G: Industry Associations</p> <p>29H: Networking</p>	<p><u>Teacher and Student Resources:</u> *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 1 ISBN#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</p>

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	<p>and use page formats, fonts, and spacing that contribute to the readability and impact of the document.</p>		<p>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</p>
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<u>Semester 2 - Unit 15 – Portfolio Presentation (7.5 hours)</u>			
Competencies	Standards	Suggested Pacing	Resources/Materials
<p>17A - The student generates and maintains task status reports</p> <p>17B - Identifies and obtains tools and resources to do the job.</p> <p>17C - Designs and develops work processes and procedures.</p> <p>17D - Defines time and activity plans to achieve objectives.</p> <p>17E - Defines scope of work to achieve individual and group goals.</p>	<p><u>Career Technical Education:</u> *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). <u>Core Academic:</u> *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.</p>	<p>30A: Digital portfolio</p> <p>30B: Traditional portfolio</p>	<p><u>Teacher and Student Resources:</u> *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 1 ISBN#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</p>

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