Correlation of

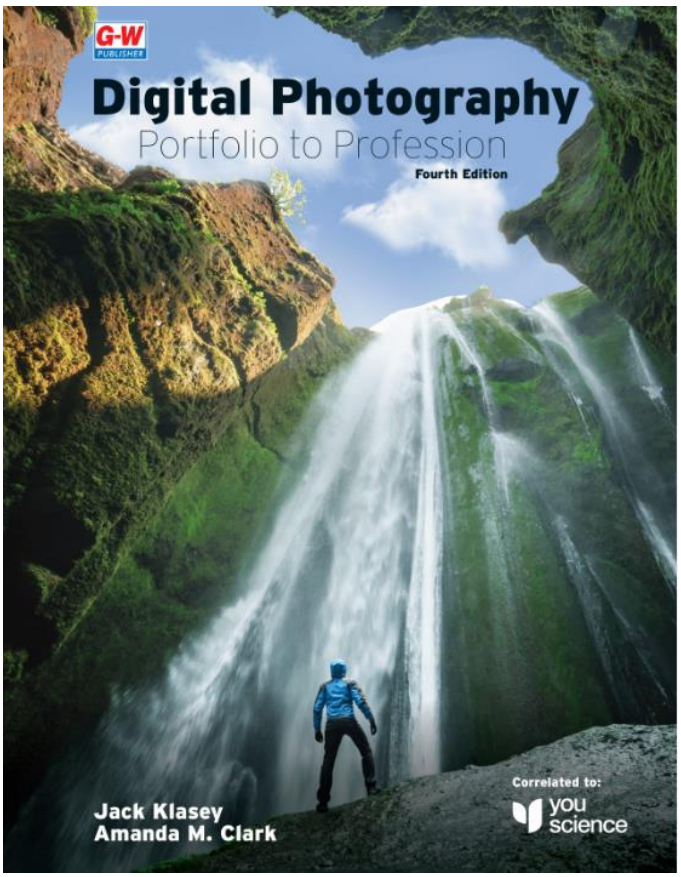
Digital Photography: Portfolio to Profession, **Jack Klasey, Amanda M. Clark**
(Goodheart-Willcox Publisher ©2024)
and
School to Career, **Brian Hutchison, PhD., LPC, Grace Wambu, EdD, LAC, NCC, Katheryne T. Leigh-Osroosh, Ph.D., NCC, Joseph J. Littrell, EdD., James H. Lorenz, Ed.D., and Harry T. Smith, Ed.D.**
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to

Precision Exams Commercial Photography I

Goodheart-Willcox is pleased to partner with Precision Exams by YouScience by correlating *Digital Photography: Portfolio to Profession* to their Commercial Photography I standards. Precision Exams standards and Career Skills Exams were created in concert with industry and subject matter experts to match real-world job skills and marketplace demands. Students that pass the exam and performance portion of the exam can earn a Career Skills Certification.

The correlation chart that follows lists the standards, objectives, and indicators for the Commercial Photography I exam in the left column. Corresponding content from *Digital Photography: Portfolio to Profession* and *School to Career* that can be used by a student to help achieve the standard, objective, or indicator is listed in the right column.

For more information on Precision Exams by YouScience, including a complete listing of their 150+ Career Skills Exams and Certificates, please visit www.youscience.com/certifications/career-clusters/.



Standards / Objectives / Indicators	Correlating Textbook Pages	
	Digital Photography	***School to Career***
Standard 1: Students will have knowledge of the history of photography.		
Objective 1. History of Photography	24–39	

Standards / Objectives / Indicators	Correlating Textbook Pages	
	Digital Photography	***School to Career***
Indicator 1: Overview of the origins of Technical Photographic Processes, and major milestones	38–39	
a. Camera Obscura	26	
b. Wet Plate	28–30	
c. Film	30–34	
d. Digital	34–36	
i. Sensor development	34–35	
ii. Storage development	35	
Objective 2. Evolution and future of Digital Photography	426–461	
Indicator 1: Adobe Photoshop	443–461	
Indicator 2: Camera Raw	430–431	
Standard 2: Students will understand and apply the multistep process of workflow.		
Objective 1. Identify the multi-step process of workflow in Image capture	15–18, 75–85, 108–117, 163–169, 180–188, 198–218, 246–261, 272–295	
Indicator 1: Pre-shoot checklist (Hardware - memory card, battery, lens, etc.)	74–101	
Indicator 2: Holding the camera (steady, shoot, and format)	91–101	
Indicator 3: Exposure Mode (auto or manual – aperture and shutter priority)	77–82	
Indicator 4: Light Metering	163–169	
Indicator 5: Focus (auto or manual)	109–111	
Indicator 6: Flash (on or off)	288–295	
Indicator 7: Image Capture	180–188	
Indicator 8: Verify correct exposure or adjust and reshoot (histogram, overexpose, underexposed)	77–82	
Objective 2. Identify the multi-step process of workflow as it relates to image editing	408–418, 426–462	
Indicator 1: Image import (transfer files to a computer)	408–412	
Indicator 2: Image management (organizing files, photo selection, naming conventions, and managing folders)	414–418	
Indicator 3: Cull images (rating, flagging, Contact Sheet * * Not Tested)	414–418	

Standards / Objectives / Indicators	Correlating Textbook Pages	
	Digital Photography	***School to Career***
Indicator 4: Basic image editing (straighten, rotate, limited crop, adjust tonal range, contrast, and color correction)	427–462	
Objective 3. Identify the multi-step process of workflow as it relates to *image output*	504–518	
Indicator 1: Size/resolution for intended purpose (web, presentation, or print)	504–511	
Indicator 2: Image delivery (Internet, removable media, print)	504–511	
Indicator 3: File archive (Cloud storage, local storage)	188, 414–418	
Standard 3: Students will be able to identify different types of digital cameras, benefits of sensor size and resolution, the location of their basic components, and the benefits of each type.		
Objective 1. Camera types	108–121	
Indicator 1: Basic camera (camera phones, tablets, point-and-shoot, action camera)	117–120	
Indicator 2: Interchangeable lens camera	120–121	
a. Single Lens Reflex (SLR)	120–121	
b. Mirrorless (MILC)	121	
Objective 2. Sensor Size and benefit	115–117	
Indicator 1: Basic Camera Sensor – inexpensive, portability, everyday consumer use	115–117	
Indicator 2: Micro 4:3, APS-C – comparatively lower cost, crop magnification	115–117	
Indicator 3: Full Frame – low light sensitivity, depth of field, dynamic range, zero crop factor	115–117	
Indicator 4: Medium Format - increased sensor surface area	116–117	
Objective 3. Resolution	115	
Indicator 1: Calculate Resolution (L x W)	432–437	
Indicator 2: Define megapixel (1 million pixels)	35	
Indicator 3: Define pixel (picture element)	115	
Objective 4. Understand correlation between sensor size and resolution (not all megapixels are created equal)	84, 115, 432–437	
Standard 4: Students will demonstrate the appropriate use of the camera controls on a digital camera.		
Objective 1. Exposure Modes (auto, shutter priority, aperture priority, program, and manual)	75–76, 79–85	

Standards / Objectives / Indicators	Correlating Textbook Pages	
	Digital Photography	***School to Career***
Objective 2. Pre-programmed modes (landscape, action, portrait, macro, night)	81, 214–217	
Standard 5: Students will be able to use and identify memory devices and file types associated with digital cameras and scanners.		
Objective 1. Demonstrate an understanding of digital file formats as they pertain to image capture (i.e. RAW, JPEG)	181, 187–188	
Objective 2. Discuss disadvantages of file compression in JPEGS (i.e. extra fine, fine, basic, and normal)	188	
Objective 3. Demonstrate an understanding of the difference between high and low resolution and how they are linked to image file output resolution and quality (Intended use of photograph i.e. print, email, photo sharing)	410–411, 432–437, 504–505, 510–511	
Objective 4. Identify common memory cards and camera compatibilities (i.e. compact flash, CFexpress, SDXC(UHS2), SD, Micro SD, and internal storage)	184–187	
Objective 5. Identify necessary equipment used for transferring images to a computer (i.e. cables, card readers, wireless)	408–411	
Standard 6: Students will be able to understand and operate a camera.		
Objective 1. Identify basic digital camera parts and their functions (i.e. viewfinder or LCD monitor, lens, mode dial, shutter release, etc.)	74–90, 108–117, 128–141	
Objective 2. Understand focal length and optical verses digital zoom	131–141	
Objective 3. Use a tripod or other steady shoot method when it is appropriate	94–101	
Objective 4. Identify the need and appropriate use of an on-camera flash	272–274	
Objective 5. Identify the difference between *Shutter* Priority and *Aperture* Priority	79–81	
Objective 6. Identify differences in types of photographic lenses for an interchangeable lens camera (Wide 10-35mm, Standard 50-70mm, Telephoto 80amm and above)	135–141	
Standard 7: Students will be able to demonstrate basic proficiency in the use of Adobe Photoshop.		
Objective 1. Discuss or demonstrate non-destructive editing techniques	427–462	

Standards / Objectives / Indicators	Correlating Textbook Pages	
	Digital Photography	***School to Career***
Objective 2. Demonstrate tonal adjustments (i.e. adjustment layers, Brightness and Contrast, Shadow/Highlight correction, Levels)	446–453	
Objective 3. Demonstrate color correction (i.e. color balance, hue /saturation, and levels)	449–453	
Objective 4. Demonstrate cropping (i.e. cropping, straightening, and perspective)	431–438	
Indicator 1: Proportion	435	
Objective 5. Demonstrate techniques for photo retouching (i.e. healing brushes, red eye, and clone stamp)	457–460	
Objective 6. Demonstrate and use the Layers panel (i.e. active layer, layer order, creating and deleting layers, type layers and Opacity)	438–443, 479–486	
Objective 7. Demonstrate non-destructive and destructive black and white conversion process in Photoshop	454–455, 495–498	
Indicator 1: Image Mode	454–455	
Indicator 2: Adjustment Layer	442, 480–481	
Objective 8. Demonstrate effective use of *Undo* and *Redo* (i.e. history pallet, step forward or backward)	483	
Objective 9. Demonstrate the use of the Transform tool (i.e. scale, rotate, skew, flip, and distort)	490–494	
Objective 10. Demonstrate the use of selection tools (i.e. Marquee, Lasso, Magic Wand, Quick Selection tool, Quick Mask)	468–475	
Objective 11. Demonstrate different imaging file types and know their intended use (.psd, .jpeg .png)	430–431	
Objective 12. Demonstrate a basic understanding of the Photoshop user interface	426–462, 468–497	
Standard 8: Students will be able to understand and demonstrate the elements of composition.		
Objective 1. Demonstrate Simplicity/Emphasis as an element of composition	15–18, 198–217	
Objective 2. Demonstrate Rule of Thirds as an element of composition	209–211	
Objective 3. Demonstrate Perspective as an element of composition. (worms-eye, birds-eye)	205–206	
Objective 4. Demonstrate Leading Lines as an element of composition	211–212	

Standards / Objectives / Indicators	Correlating Textbook Pages	
	Digital Photography	***School to Career***
Standard 9: Students will be able to understand and practice copyright laws, ethics, and legal issues dealing with photography as identified in the United States Code Title 17-chapter 1 section 101.		
Objective 1. Define copyright	412–414	
Objective 2. Other definitions	412–414	
Indicator 1: Audiovisual works	412–414	
Indicator 2: Computer program	412–414	
Indicator 3: Copies	412–414	
Indicator 4: Copyright owner	412–414	
Indicator 5: Digital transmission	412–414	
Indicator 6: Financial gain	412–414	
Indicator 7: Pictorial, graphic, and sculptural works (works of visual art)	412–414	
Objective 3. Practice ethics and rules governing photojournalism (i.e. editorial content must not be changed)	8–9, 278–282	
Objective 4. Practice correct usage of copyright laws (i.e. the right to reproduce, manipulate, distribute, plagiarize, or exhibit another artist's work outside of fair use provisions)	412–414	
Indicator 1: Time limitations	412–414	
Indicator 2: Portion limitations	412–414	
Indicator 3: Text material	412–414	
Indicator 4: Illustrations and photographs	412–414	
Indicator 5: Copying and distribution limitations	412–414	
Objective 5. Demonstrate understanding of ethics related to social and legal issues in subject choice (i.e. model releases, image appropriateness, and cultural sensitivity)	53–56	
Standard 10: Students will understand the importance of career readiness skills as it relates to the workplace and outlined in the SkillsUSA Framework – Level 1.		
Objective 1. Understand and demonstrate the attitude of cooperation	12	312–313
Indicator 1: Develop awareness of cultural diversity and equality issues	61–62	
Indicator 2: Demonstrate effective communication with others	62	

Standards / Objectives / Indicators	Correlating Textbook Pages	
	Digital Photography	***School to Career***
Indicator 3: Apply team skills to a group project	12, 67, 105, 145, 177, 191, 221, 243, 331, 377, 401, 465, 501, 557	
Indicator 4: Identify and apply conflict resolution skills	391	303–305
Objective 2. Understand and demonstrate the ability of being resourceful and innovative	47–65	
Indicator 1: Discover self-motivation techniques and establish short-term goals	47–48	
Indicator 2: Measure/modify short-term goals	62–63	
Indicator 3: Review a professional journal and develop a three- to five-minute presentation	242	
Objective 3. Plan for your future career	46–63	
Indicator 1: Complete a self-assessment and identify individual learning styles		24–39
Indicator 2: Define future occupations in the field of photography	47–49	
Indicator 3: Identify the components of an employment portfolio		144
Indicator 4: List proficiency in program competencies		322–325
Indicator 5: Complete a survey for employment opportunities		381, 386
Indicator 6: Create a job application		146–150
Indicator 7: Assemble your employment portfolio		144
Indicator 8: Employability skills: evaluate program comprehension	391	322–325
Objective 4. Understand and demonstrate the ability to manage a project		318–322
Indicator 1: Apply team skills to a group project	67, 105, 145, 177, 191, 221, 243, 331, 377, 401, 465, 501, 557	
Indicator 2: Observe and critique a meeting		313–317
Indicator 3: Demonstrate business meeting skills		316–317
Indicator 4: Explore supervisory and management roles in an organization		318–322
Indicator 5: Identify and apply conflict resolution skills		303–305

Standards / Objectives / Indicators	Correlating Textbook Pages	
	Digital Photography	***School to Career***
Indicator 6: Demonstrate evaluation skills		209–291
Indicator 7: Manage a project and evaluate others		318–322