

East Penn School District  
Secondary Curriculum

A Planned Course Statement  
for  
**Adobe Photoshop/Flash II**

Course # 639

Grade(s) 9-12

Department: Computer & Business Applications

Length of Period (mins.) 41

Total Clock Hours: 63

Periods per Cycle: 6

Length of Course (yrs.) .5

Type of Offering:            required  elective

Credit: .5

Adopted: 6/8/09

Developed by:

John Dietrick  
Jayne St. Mary

## Description of Course

### Course Title: Adobe Photoshop/Flash II

**Description:** This course will provide students with the knowledge required to apply design principles to the multimedia areas of dynamic graphics and animation. Adobe Photoshop and Adobe Flash, will be utilized to prepare students for creating dynamic, interactive content to be used in both print and web based applications. Upon successful completion of the course, students will be prepared to complete the **Adobe Certification Tests**. In the business and education community, job applicants with these certifications are recognized as highly skilled users of Adobe software.

#### Goals:

- Students will be able to:
  - apply advanced skills of Adobe Photoshop
  - apply advanced skills of Adobe Flash
  - create graphics and animations suitable for print and online applications
  - identify and apply skills necessary to pass Adobe Certification tests

#### Requirements:

- Prerequisite: Adobe Photoshop/Flash I

#### Text:

- Reding, Elizabeth Eisner, Adobe Photoshop CS4 – Revealed. New York: Cengage Learning, 2010.
- Shuman, Jim, Adobe Flash CS4 – Revealed. New York: Cengage Learning, 2010.

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### Key to Levels of Achievement (Listed with each learning objective)

Awareness (A):	Students are introduced to concepts, forms, and patterns.
Learning (L):	Students are involved in a sequence of steps and practice activities which involved further development and allow evaluation of process.
Understanding (U):	Students demonstrate ability to apply acquired concepts and skills to individual assignments and projects on an independent level.
Reinforcement (R):	Students maintain and broaden understanding of concepts and skills to accomplish tasks at a greater level of sophistication.

\*\* Standards are reflecting the National Educational Technology Standards for Students (NETS•S)

Unit	Num	Objective	Level	Content	Evaluation	Standard
<b>I. Photoshop – Creating Special Effects with Filters</b>	1	Students will: <ul style="list-style-type: none"> <li>• learn about filters and how to apply them</li> <li>• create an effect with an Artistic filter</li> <li>• add unique effects with Stylize filters</li> <li>• alter images with Distort and Noise filters</li> <li>• alter lighting with a Render filter</li> </ul>	L, U	<ul style="list-style-type: none"> <li>• Text book illustrations</li> <li>• Instructor prepared notes</li> <li>• Student use of computer</li> <li>• Instructor demonstrations using projected screen image and/or CrossTec SchoolVue Software</li> </ul>	<ul style="list-style-type: none"> <li>• Teacher Observations</li> <li>• Oral and written questions</li> <li>• On-screen observation</li> <li>• Photoshop Graphics</li> <li>• Adobe Certification Tests</li> </ul>	<b>NETS</b> 1a, 1b, 2a, 2b, 2d, 3a, 3b, 3c, 3d, 4a, 4b, 4c, 4d, 5a, 5b, 5c, 5d, 6a, 6b  <b>PA Standard:</b> 3.7.10 (C) 3.7.10 (D)
<b>II. Photoshop – Enhancing Specific Selections</b>	2	Students will: <ul style="list-style-type: none"> <li>• create an alpha channel</li> <li>• use extract to isolate an object</li> <li>• erase areas in an image to enhance appearance</li> <li>• use the Clone Stamp Tool to make repairs</li> <li>• use the Magic Wand Tool to select objects</li> <li>• learn how to create snapshots</li> <li>• create multiple-image layouts</li> </ul>	L, U	<ul style="list-style-type: none"> <li>• Text book illustrations</li> <li>• Instructor prepared notes</li> <li>• Student use of computer</li> <li>• Instructor demonstrations using projected screen image and/or CrossTec SchoolVue Software</li> </ul>	<ul style="list-style-type: none"> <li>• Teacher Observations</li> <li>• Oral and written questions</li> <li>• On-screen observation</li> <li>• Photoshop Graphics</li> <li>• Adobe Certification Tests</li> </ul>	<b>NETS</b> 1a, 1b, 2a, 2b, 2d, 3a, 3b, 3c, 3d, 4a, 4b, 4c, 4d, 5a, 5b, 5c, 5d, 6a, 6b  <b>PA Standard:</b> 3.7.10 (C) 3.7.10 (D)
<b>III. Photoshop – Adjusting Colors</b>	3	Students will: <ul style="list-style-type: none"> <li>• correct and adjust color</li> <li>• enhance colors by altering saturation</li> <li>• modify color channels using levels</li> <li>• create color samplers with the Info palette</li> </ul>	L, U	<ul style="list-style-type: none"> <li>• Text book illustrations</li> <li>• Instructor prepared notes</li> <li>• Student use of computer</li> <li>• Instructor demonstrations using projected screen image and/or CrossTec SchoolVue Software</li> </ul>	<ul style="list-style-type: none"> <li>• Teacher Observations</li> <li>• Oral and written questions</li> <li>• On-screen observation</li> <li>• Photoshop Graphics</li> <li>• Adobe Certification Tests</li> </ul>	<b>NETS</b> 1a, 1b, 2a, 2b, 2d, 3a, 3b, 3c, 3d, 4a, 4b, 4c, 4d, 5a, 5b, 5c, 5d, 6a, 6b  <b>PA Standard:</b> 3.7.10 (C) 3.7.10 (D)

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<b>IV. Photoshop – Using Clipping Masks, Paths, &amp; Shapes</b>	4	Students will: <ul style="list-style-type: none"> <li>• use a clipping group as a mask</li> <li>• use pen tools to create and modify a path</li> <li>• work with shapes</li> <li>• convert paths and selections</li> </ul>	L, U	<ul style="list-style-type: none"> <li>• Text book illustrations</li> <li>• Instructor prepared notes</li> <li>• Student use of computer</li> <li>• Instructor demonstrations using projected screen image and/or CrossTec SchoolVue Software</li> </ul>	<ul style="list-style-type: none"> <li>• Teacher Observations</li> <li>• Oral and written questions</li> <li>• On-screen observation</li> <li>• Photoshop Graphics</li> <li>• Adobe Certification Tests</li> </ul>	<b>NETS</b> 1a, 1b, 2a, 2b, 2d, 3a, 3b, 3c, 3d, 4a, 4b, 4c, 4d, 5a, 5b, 5c, 5d, 6a, 6b  <b>PA Standard:</b> 3.7.10 (C) 3.7.10 (D)
<b>V. Photoshop – Transforming Type</b>	5	Students will: <ul style="list-style-type: none"> <li>• modify type using a bounding box</li> <li>• create warped type with a unique shape</li> <li>• screen back type with imagery</li> <li>• create a faded type effect</li> </ul>	L, U	<ul style="list-style-type: none"> <li>• Text book illustrations</li> <li>• Instructor prepared notes</li> <li>• Student use of computer</li> <li>• Instructor demonstrations using projected screen image and/or CrossTec SchoolVue Software</li> </ul>	<ul style="list-style-type: none"> <li>• Teacher Observations</li> <li>• Oral and written questions</li> <li>• On-screen observation</li> <li>• Photoshop Graphics</li> <li>• Adobe Certification Tests</li> </ul>	<b>NETS</b> 1a, 1b, 2a, 2b, 2d, 3a, 3b, 3c, 3d, 4a, 4b, 4c, 4d, 5a, 5b, 5c, 5d, 6a, 6b  <b>PA Standard:</b> 3.7.10 (C) 3.7.10 (D)
<b>VI. Photoshop – Liquifying an Image</b>	6	Students will: <ul style="list-style-type: none"> <li>• use the Liquify tools and distort an image</li> <li>• learn how to freeze and thaw areas</li> <li>• use the mesh feature as you distort an image</li> </ul>	L, U	<ul style="list-style-type: none"> <li>• Text book illustrations</li> <li>• Instructor prepared notes</li> <li>• Student use of computer</li> <li>• Instructor demonstrations using projected screen image and/or CrossTec SchoolVue Software</li> </ul>	<ul style="list-style-type: none"> <li>• Teacher Observations</li> <li>• Oral and written questions</li> <li>• On-screen observation</li> <li>• Photoshop Graphics</li> <li>• Adobe Certification Tests</li> </ul>	<b>NETS</b> 1a, 1b, 2a, 2b, 2d, 3a, 3b, 3c, 3d, 4a, 4b, 4c, 4d, 5a, 5b, 5c, 5d, 6a, 6b  <b>PA Standard:</b> 3.7.10 (C) 3.7.10 (D)

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<b>VII. Photoshop – Performing Image Surgery</b>	7	Students will: <ul style="list-style-type: none"> <li>• delete unnecessary imagery</li> <li>• correct colors in an image</li> <li>• tweak an image</li> </ul>	L, U	<ul style="list-style-type: none"> <li>• Text book illustrations</li> <li>• Instructor prepared notes</li> <li>• Student use of computer</li> <li>• Instructor demonstrations using projected screen image and/or CrossTec SchoolVue Software</li> </ul>	<ul style="list-style-type: none"> <li>• Teacher Observations</li> <li>• Oral and written questions</li> <li>• On-screen observation</li> <li>• Photoshop Graphics</li> <li>• Adobe Certification Tests</li> </ul>	<b>NETS</b> 1a, 1b, 2a, 2b, 2d, 3a, 3b, 3c, 3d, 4a, 4b, 4c, 4d, 5a, 5b, 5c, 5d, 6a, 6b  <b>PA Standard:</b> 3.7.10 (C) 3.7.10 (D)
<b>VIII. Photoshop – Annotating and Automating an Image</b>	8	Students will: <ul style="list-style-type: none"> <li>• add annotations to an image</li> <li>• create an action</li> <li>• modify an action</li> <li>• use a default action and create a droplet</li> </ul>	L, U	<ul style="list-style-type: none"> <li>• Text book illustrations</li> <li>• Instructor prepared notes</li> <li>• Student use of computer</li> <li>• Instructor demonstrations using projected screen image and/or CrossTec SchoolVue Software</li> </ul>	<ul style="list-style-type: none"> <li>• Teacher Observations</li> <li>• Oral and written questions</li> <li>• On-screen observation</li> <li>• Photoshop Graphics</li> <li>• Adobe Certification Tests</li> </ul>	<b>NETS</b> 1a, 1b, 2a, 2b, 2d, 3a, 3b, 3c, 3d, 4a, 4b, 4c, 4d, 5a, 5b, 5c, 5d, 6a, 6b  <b>PA Standard:</b> 3.7.10 (C) 3.7.10 (D)
<b>IX. Photoshop – Creating Images for the Web</b>	9	Students will: <ul style="list-style-type: none"> <li>• learn about Web features</li> <li>• optimize images for Web use</li> <li>• create a button for a Web page</li> <li>• create slices in an image</li> <li>• create and play basic animations</li> <li>• add tweening and frame delay</li> <li>• use Camera Raw features</li> </ul>	L, U	<ul style="list-style-type: none"> <li>• Text book illustrations</li> <li>• Instructor prepared notes</li> <li>• Student use of computer</li> <li>• Instructor demonstrations using projected screen image and/or CrossTec SchoolVue Software</li> </ul>	<ul style="list-style-type: none"> <li>• Teacher Observations</li> <li>• Oral and written questions</li> <li>• On-screen observation</li> <li>• Photoshop Graphics</li> <li>• Adobe Certification Tests</li> </ul>	<b>NETS</b> 1a, 1b, 2a, 2b, 2d, 3a, 3b, 3c, 3d, 4a, 4b, 4c, 4d, 5a, 5b, 5c, 5d, 6a, 6b  <b>PA Standard:</b> 3.7.10 (C) 3.7.10 (D)

Unit	Num	Objective	Level	Content	Evaluation	Standard
<b>X. Flash – Importing and Modifying Graphics</b>	10	Students will: <ul style="list-style-type: none"> <li>• understand and import graphics</li> <li>• break apart bitmaps and use bitmap fills</li> <li>• trace bitmap graphics</li> <li>• use imported graphics in a scene</li> </ul>	L, U	<ul style="list-style-type: none"> <li>• Text book illustrations</li> <li>• Instructor prepared notes</li> <li>• Student use of computer</li> <li>• Instructor demonstrations using projected screen image and/or CrossTec SchoolVue Software</li> </ul>	<ul style="list-style-type: none"> <li>• Teacher Observations</li> <li>• Oral and written questions</li> <li>• On-screen observation</li> <li>• Flash Animations</li> <li>• Adobe Certification Tests</li> </ul>	<b>NETS</b> 1a, 1b, 2a, 2b, 2d, 3a, 3b, 3c, 3d, 4a, 4b, 4c, 4d, 5a, 5b, 5c, 5d, 6a, 6b  <b>PA Standard:</b> 3.7.10 (C) 3.7.10 (D)
<b>XI. Flash – Building Complex Animations</b>	11	Students will: <ul style="list-style-type: none"> <li>• plan for complex movies and animations</li> <li>• create an animated graphic symbol</li> <li>• create a movie clip symbol</li> <li>• animate buttons with movie clip symbols</li> </ul>	L, U	<ul style="list-style-type: none"> <li>• Text book illustrations</li> <li>• Instructor prepared notes</li> <li>• Student use of computer</li> <li>• Instructor demonstrations using projected screen image and/or CrossTec SchoolVue Software</li> </ul>	<ul style="list-style-type: none"> <li>• Teacher Observations</li> <li>• Oral and written questions</li> <li>• On-screen observation</li> <li>• Flash Animations</li> <li>• Adobe Certification Tests</li> </ul>	<b>NETS</b> 1a, 1b, 2a, 2b, 2d, 3a, 3b, 3c, 3d, 4a, 4b, 4c, 4d, 5a, 5b, 5c, 5d, 6a, 6b  <b>PA Standard:</b> 3.7.10 (C) 3.7.10 (D)
<b>XII. Flash – Using ActionScript</b>	12	Students will: <ul style="list-style-type: none"> <li>• work with the Actions panel</li> <li>• work with targets and movie clip symbols</li> <li>• create interactive movie clip symbols</li> <li>• define variables</li> </ul>	L, U	<ul style="list-style-type: none"> <li>• Text book illustrations</li> <li>• Instructor prepared notes</li> <li>• Student use of computer</li> <li>• Instructor demonstrations using projected screen image and/or CrossTec SchoolVue Software</li> </ul>	<ul style="list-style-type: none"> <li>• Teacher Observations</li> <li>• Oral and written questions</li> <li>• On-screen observation</li> <li>• Flash Animations</li> <li>• Adobe Certification Tests</li> </ul>	<b>NETS</b> 1a, 1b, 2a, 2b, 2d, 3a, 3b, 3c, 3d, 4a, 4b, 4c, 4d, 5a, 5b, 5c, 5d, 6a, 6b  <b>PA Standard:</b> 3.7.10 (C) 3.7.10 (D)

Unit	Num	Objective	Level	Content	Evaluation	Standard
<b>XIII. Flash – Adding sound and video</b>	13	Students will: <ul style="list-style-type: none"> <li>• work with sound</li> <li>• specify synchronization options</li> <li>• use ActionScript with sound</li> <li>• work with video</li> </ul>	L, U	<ul style="list-style-type: none"> <li>• Text book illustrations</li> <li>• Instructor prepared notes</li> <li>• Student use of computer</li> <li>• Instructor demonstrations using projected screen image and/or CrossTec SchoolVue Software</li> </ul>	<ul style="list-style-type: none"> <li>• Teacher Observations</li> <li>• Oral and written questions</li> <li>• On-screen observation</li> <li>• Flash Animations</li> <li>• Adobe Certification Tests</li> </ul>	<b>NETS</b> 1a, 1b, 2a, 2b, 2d, 3a, 3b, 3c, 3d, 4a, 4b, 4c, 4d, 5a, 5b, 5c, 5d, 6a, 6b  <b>PA Standard:</b> 3.7.10 (C) 3.7.10 (D)
<b>XIV. Flash – Using Advanced ActionScript</b>	14	Students will: <ul style="list-style-type: none"> <li>• create complex interactivity</li> <li>• use ActionScript to create external links</li> <li>• load new movies</li> <li>• work with conditional actions</li> </ul>	L, U	<ul style="list-style-type: none"> <li>• Text book illustrations</li> <li>• Instructor prepared notes</li> <li>• Student use of computer</li> <li>• Instructor demonstrations using projected screen image and/or CrossTec SchoolVue Software</li> </ul>	<ul style="list-style-type: none"> <li>• Teacher Observations</li> <li>• Oral and written questions</li> <li>• On-screen observation</li> <li>• Flash Animations</li> <li>• Adobe Certification Tests</li> </ul>	<b>NETS</b> 1a, 1b, 2a, 2b, 2d, 3a, 3b, 3c, 3d, 4a, 4b, 4c, 4d, 5a, 5b, 5c, 5d, 6a, 6b  <b>PA Standard:</b> 3.7.10 (C) 3.7.10 (D)
<b>XV. Flash – Working with Behaviors and Components</b>	15	Students will: <ul style="list-style-type: none"> <li>• work with behaviors</li> <li>• will work with components</li> </ul>	L, U	<ul style="list-style-type: none"> <li>• Text book illustrations</li> <li>• Instructor prepared notes</li> <li>• Student use of computer</li> <li>• Instructor demonstrations using projected screen image and/or CrossTec SchoolVue Software</li> </ul>	<ul style="list-style-type: none"> <li>• Teacher Observations</li> <li>• Oral and written questions</li> <li>• On-screen observation</li> <li>• Flash Animations</li> <li>• Adobe Certification Tests</li> </ul>	<b>NETS</b> 1a, 1b, 2a, 2b, 2d, 3a, 3b, 3c, 3d, 4a, 4b, 4c, 4d, 5a, 5b, 5c, 5d, 6a, 6b  <b>PA Standard:</b> 3.7.10 (C) 3.7.10 (D)

**National Educational Technology Standards and Performance Indicators for Students**

The Nets are divided into the six broad categories that are listed below.

**1. Creativity and Innovation**

Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. Students:

- a. apply existing knowledge to generate new ideas, products, or processes.
- b. create original works as a means of personal or group expression.
- c. use models and simulations to explore complex systems and issues.
- d. identify trends and forecast possibilities.

**2. Communication and Collaboration**

Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others. Students:

- a. interact, collaborate, and publish with peers, experts or others employing a variety of digital environments and media.
- b. communicate information and ideas effectively to multiple audiences using a variety of media and formats.
- c. develop cultural understanding and global awareness by engaging with learners of other cultures.
- d. contribute to project teams to produce original works or solve problems.

**3. Research and Information Fluency**

Students apply digital tools to gather, evaluate, and use information. Students:

- a. plan strategies to guide inquiry.
- b. locate, organize, analyze, evaluate, synthesize, and ethically use information from a variety of sources and media.
- c. evaluate and select information sources and digital tools based on the appropriateness to specific tasks.
- d. process data and report results.

**4. Critical Thinking, Problem-Solving, and Decision-Making**

Students use critical thinking skills to plan and conduct research, manage projects, solve problems and make informed decisions using appropriate digital tools and resources. Students:

- a. identify and define authentic problems and significant questions for investigation.
- b. plan and manage activities to develop a solution or complete a project.



- c. collect and analyze data to identify solutions and/or make informed decisions.
- d. use multiple processes and diverse perspectives to explore alternative solutions.

**5. Digital Citizenship**

Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior. Students:

- a. advocate and practice safe, legal, and responsible use of information and technology.
- b. exhibit a positive attitude toward using technology that supports collaboration, learning, and productivity.
- c. demonstrate personal responsibility for lifelong learning.
- d. exhibit leadership for digital citizenship.

**6. Technology Operations and Concepts**

Students demonstrate a sound understanding of technology concepts, systems and operations. Students:

- a. understand and use technology systems.
- b. select and use applications effectively and productively.
- c. troubleshoot systems and applications.
- d. transfer current knowledge to learning of new technologies.