

Board Approval Date: 08/22/2016

THE NORTHAMPTON AREA SCHOOL DISTRICT
PLANNED COURSE FORMAT: UBD UNIT PLAN FORM

Name of Course: Web Design and Animation	Grade Level: 9-12
Name of Unit: Getting Started with Adobe Fireworks; Working with Objects; Importing, Selecting, and Modifying Graphics; and Integrating Adobe CS5 Web Standard	Unit Duration: 6 weeks

Pennsylvania Academic Standards

Pennsylvania Academic Standards—Science and Technology and Environment and Ecology—Subject Area 3

PA 3.6 Technological Education

3.6.12.B: Analyze knowledge of information technologies of processes encoding, transmitting, receiving, storing, retrieving and decoding.

PA 3.7 Technological Devices

3.7.10.C: Apply basic computer operations and concepts.

3.7.10.D: Utilize computer software to solve specific problems.

3.7.12.C: Evaluate computer operations and concepts as to their effectiveness to solve specific problems.

3.7.12.D: Evaluate the effectiveness of computer software to solve specific problems.

3.7.12E: Assess the effectiveness of computer communications systems.

PA 3.8 Science, Technology and Human Endeavors

3.8.12: Evaluate the consequences and impacts of scientific and technological solutions.

Pennsylvania Academic Standards—English—Reading, Writing, Speaking, and Listening—Subject Area 1

PA 1.1: Reading Independently

1.1.12.A: Apply appropriate strategies to construct meaning through interpretation and to analyze and evaluate author's use of techniques and elements of fiction and non-fiction for rhetorical and aesthetic purposes.

PA 1.5: Quality of Writing

1.5.12.A: Write with a clear **focus**, identifying topic, task, and audience.

1.5.12.B: Develop content appropriate for the topic.

1.5.12.D: Write with an understanding of **style** using a variety of sentence structures and descriptive word choices. Create **tone** and **voice** through the use of precise language.

1.5.12.E: Revise writing to improve style, word choice, sentence variety, and subtlety of meaning after rethinking how questions of purpose, audience, and **genre** have addressed.

1.5.12.F: Use grade appropriate **conventions of language** when writing and editing.

PA 1.6: Speaking and Listening

1.6.12.A: Listen critically and respond to others in small and large group situations.

1.6.12.B: Demonstrate awareness of audience using appropriate volume and clarity in formal presentations.

Overview of the Unit (description):

This unit will focus on getting started with Adobe Fireworks CS5 and teach students the basics of navigating the software to create compelling graphics with web capabilities. Students will learn how to get started with Fireworks and work with objects. Students will learn skills to import, select, and modify graphics. At the end of the unit, students will complete an integration project to reinforce how to use all three programs together (Dreamweaver, Flash, and Fireworks).

Enduring Understandings	Assessments Used to Show the Student's Enduring Understanding	Essential Content & Skills
<p><i>Specifically, what developed insight(s) and/or developed skills(s) must a student acquire to truly understand the topic? What one, two or three developed ideas should students remember years from now after forgetting the small details?</i></p> <p>Adobe Fireworks CS5 is a graphics program intended specifically for creating Web images and media for other devices. Students will learn to create, edit, and optimize files, and then add animation and JavaScript- enabled interactivity to those optimized files. Students will become proficient in using the program to prototype a web site and optimize graphics and designs created in other applications. At the end of the unit, students will experience how all three applications (Dreamweaver, Flash, and Fireworks) seamlessly integrate with each other and other Adobe programs.</p>	<p><i>What assessments will be used to show acceptable evidence of the students' acquisition of the PDE/NBEA Standard and the enduring understanding(s)? Attach the summative assessment(s) and rubric(s) that assess(es) the students' different levels of understanding.</i></p> <p>Summative Assessment(s): Students will apply skills learned in chapters 1, 2, 3 & 4 and in class discussions to create full animation based web sites and animations using the tools panel in Adobe Fireworks CS5.</p> <p>Formative Assessments:</p> <p>Projects:</p> <ul style="list-style-type: none"> • Chapter 1, 2, 3 & 4 Guided Practice (Unique to each chapter) • Chapter 1, 2, 3 & 4 Skills Review (Unique to each chapter) • Chapter 1, 2, 3 & 4 Project Builder 1 (Unique to each chapter) • Chapter 1, 2, 3 & 4 Portfolio Project (Unique to each chapter) <p>Forums→Ongoing</p> <ul style="list-style-type: none"> • Technology • Graphic Design 	<p><i>What specific concepts, information and skills are necessary for students to achieve true understanding and complete the summative unit assessment(s)? What materials must be meaningfully incorporated into the instruction?</i></p> <p>Concepts and Information:</p> <p>I. Getting Started with Adobe Fireworks CS5</p> <ul style="list-style-type: none"> • Understand the Fireworks work environment • Work with new and existing documents • Work with layers and images • Create shapes • Create and modify text <p>II. Work with Objects</p> <ul style="list-style-type: none"> • Work with Vector Tools • Modify multiple vector objects • Modify Color • Apply filters to objects and text • Apply a style to text <p>III. Importing, Selecting and Modifying Graphics</p> <ul style="list-style-type: none"> • Work with imported files • Work with bitmap selection tools • Learn about selection areas • Select areas based on color

	<ul style="list-style-type: none">• Graphic Design and it's place in the Business World	<p>IV. Integrating Adobe Web CS5 Standard</p> <ul style="list-style-type: none">• Insert a Fireworks object in Dreamweaver• Create a Fireworks Image and Import it into Flash• Insert and edit a Flash movie in Dreamweaver <p>Materials:</p> <ul style="list-style-type: none">• Adobe Flash, Fireworks, and Dreamweaver CS5• Computers with Internet access• Projector• Textbook: The Web Collection CS5Revealed• Schoology access• Project rubrics• Data files to accompany textbook
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