

East Penn School District  
Secondary Curriculum

A Planned Course Statement  
for

**Computers**

Course # 8CP

Grade(s) Eighth

Department: Computer and Business Applications

Length of Period (mins.) 40

Total Clock Hours: 40

Periods per Cycle: 6

Length of Course (yrs.) 0.33

Type of Offering:  required  elective

Credit: 0.33

Adopted: 6/8/09

Developed by:

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## Description of Course

Course Title:  
Computers

### Description:

This course will provide students with the knowledge required to create web sites and will include fundamental techniques for editing images. Creation of animation and interactive content to be used on websites will be explored. Students will utilize a digital notebook to organize the vast amounts of information they will encounter in their daily lives.

### Goals:

Students will create:

- A web site with edited images
- An animation
- A digital notebook

### Requirements:

NA

### Text:

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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.

Unit	Num	Objective	Level	Content	Evaluation	Standard
I-Web Design	1	Identify workspace	A,L	<ul style="list-style-type: none"> <li>Textbook Illustrations</li> <li>Handout Illustrations</li> <li>Classroom Discussions</li> <li>Student Use of Computer</li> </ul>	<ul style="list-style-type: none"> <li>Teacher Observation</li> <li>Completion of Activities</li> <li>Oral Questions</li> </ul>	3.7.7C, 3.7.7D
	2	Work with panels and panes	A,L	<ul style="list-style-type: none"> <li>Textbook Illustrations</li> <li>Handout Illustrations</li> <li>Classroom Discussions</li> <li>Student Use of Computer</li> </ul>	<ul style="list-style-type: none"> <li>Teacher Observation</li> <li>Completion of Activities</li> <li>Oral Questions</li> </ul>	3.7.7C, 3.7.7D
	3	Create a new site <ul style="list-style-type: none"> <li>Plan the web site</li> <li>Create web pages</li> <li>Save the web site</li> <li>Test the web site</li> </ul>	A,L,U	<ul style="list-style-type: none"> <li>Textbook Illustrations</li> <li>Handout Illustrations</li> <li>Classroom Discussions</li> <li>Student Use of Computer</li> </ul>	<ul style="list-style-type: none"> <li>Teacher Observation</li> <li>Completion of Activities</li> <li>Oral Questions</li> </ul>	3.7.7C, 3.7.7D
	4	Set web page properties	A,L,U	<ul style="list-style-type: none"> <li>Textbook Illustrations</li> <li>Handout Illustrations</li> <li>Classroom Discussions</li> <li>Student Use of Computer</li> </ul>	<ul style="list-style-type: none"> <li>Teacher Observation</li> <li>Completion of Activities</li> <li>Oral Questions</li> </ul>	3.7.7C, 3.7.7D
	5	Create and format text	A,L,U	<ul style="list-style-type: none"> <li>Textbook Illustrations</li> <li>Handout Illustrations</li> <li>Classroom Discussions</li> <li>Student Use of Computer</li> </ul>	<ul style="list-style-type: none"> <li>Teacher Observation</li> <li>Completion of Activities</li> <li>Oral Questions</li> </ul>	3.7.7C, 3.7.7D
	6	Add links <ul style="list-style-type: none"> <li>External</li> <li>Internal</li> <li>Rollover</li> <li>Manage</li> </ul>	A,L,U	<ul style="list-style-type: none"> <li>Textbook Illustrations</li> <li>Handout Illustrations</li> <li>Classroom Discussions</li> <li>Student Use of Computer</li> </ul>	<ul style="list-style-type: none"> <li>Teacher Observation</li> <li>Completion of Activities</li> <li>Oral Questions</li> </ul>	3.7.7C, 3.7.7D, 3.7.7E
	7	Add images <ul style="list-style-type: none"> <li>Insert</li> <li>Align</li> <li>Enhance</li> <li>Background</li> <li>Delete</li> </ul>	A,L,U	<ul style="list-style-type: none"> <li>Textbook Illustrations</li> <li>Handout Illustrations</li> <li>Classroom Discussions</li> <li>Student Use of Computer</li> </ul>	<ul style="list-style-type: none"> <li>Teacher Observation</li> <li>Completion of Activities</li> <li>Oral Questions</li> </ul>	3.7.7C, 3.7.7D
	8	Create tables <ul style="list-style-type: none"> <li>Resize</li> <li>Merge cells</li> <li>Split cells</li> <li>Cell format</li> <li>Insert text and images</li> </ul>	A,L,U	<ul style="list-style-type: none"> <li>Textbook Illustrations</li> <li>Handout Illustrations</li> <li>Classroom Discussions</li> <li>Student Use of Computer</li> </ul>	<ul style="list-style-type: none"> <li>Teacher Observation</li> <li>Completion of Activities</li> <li>Oral Questions</li> </ul>	3.7.7C, 3.7.7D
	9	Maintain web site	A,L,U	<ul style="list-style-type: none"> <li>Textbook Illustrations</li> </ul>	<ul style="list-style-type: none"> <li>Teacher Observation</li> </ul>	

Unit	Num	Objective	Level	Content	Evaluation	Standard
				<ul style="list-style-type: none"> <li>• Handout Illustrations</li> <li>• Classroom Discussions</li> <li>• Student Use of Computer</li> </ul>	<ul style="list-style-type: none"> <li>• Completion of Activities</li> <li>• Oral Questions</li> </ul>	
<b>II-Image Editing</b>	10	Identify workspace	A,L	<ul style="list-style-type: none"> <li>• Textbook Illustrations</li> <li>• Handout Illustrations</li> <li>• Classroom Discussions</li> <li>• Student Use of Computer</li> </ul>	<ul style="list-style-type: none"> <li>• Teacher Observation</li> <li>• Completion of Activities</li> <li>• Oral Questions</li> </ul>	3.7.7D
	11	Acquire images <ul style="list-style-type: none"> <li>• Photograph</li> <li>• Download</li> <li>• Scan</li> <li>• Create</li> </ul>	A,L,U	<ul style="list-style-type: none"> <li>• Textbook Illustrations</li> <li>• Handout Illustrations</li> <li>• Classroom Discussions</li> <li>• Student Use of Computer</li> </ul>	<ul style="list-style-type: none"> <li>• Teacher Observation</li> <li>• Completion of Activities</li> <li>• Oral Questions</li> </ul>	3.7.7D
	12	Edit images <ul style="list-style-type: none"> <li>• Auto adjustments</li> <li>• Color and alignment</li> <li>• Retouching</li> <li>• Brightness and contrast</li> <li>• Red-eye removal</li> <li>• Cropping</li> <li>• Rotate</li> <li>• Add text</li> </ul>	A,L,U	<ul style="list-style-type: none"> <li>• Textbook Illustrations</li> <li>• Handout Illustrations</li> <li>• Classroom Discussions</li> <li>• Student Use of Computer</li> </ul>	<ul style="list-style-type: none"> <li>• Teacher Observation</li> <li>• Completion of Activities</li> <li>• Oral Questions</li> </ul>	3.7.7D
	13	Save image in different file formats	A,L,U	<ul style="list-style-type: none"> <li>• Textbook Illustrations</li> <li>• Handout Illustrations</li> <li>• Classroom Discussions</li> <li>• Student Use of Computer</li> </ul>	<ul style="list-style-type: none"> <li>• Teacher Observation</li> <li>• Completion of Activities</li> <li>• Oral Questions</li> </ul>	3.7.7D
<b>III-Animation</b>	14	Identify workspace	A,L	<ul style="list-style-type: none"> <li>• Textbook Illustrations</li> <li>• Handout Illustrations</li> <li>• Classroom Discussions</li> <li>• Student Use of Computer</li> </ul>	<ul style="list-style-type: none"> <li>• Teacher Observation</li> <li>• Completion of Activities</li> <li>• Oral Questions</li> </ul>	3.7.7D
	15	Create frame-by-frame animations	A,L,U	<ul style="list-style-type: none"> <li>• Textbook Illustrations</li> <li>• Handout Illustrations</li> <li>• Classroom Discussions</li> <li>• Student Use of Computer</li> </ul>	<ul style="list-style-type: none"> <li>• Teacher Observation</li> <li>• Completion of Activities</li> <li>• Oral Questions</li> </ul>	3.7.7D
	16	Animate text	A,L,U	<ul style="list-style-type: none"> <li>• Textbook Illustrations</li> <li>• Handout Illustrations</li> <li>• Classroom Discussions</li> <li>• Student Use of Computer</li> </ul>	<ul style="list-style-type: none"> <li>• Teacher Observation</li> <li>• Completion of Activities</li> <li>• Oral Questions</li> </ul>	3.7.7D
	17	Create buttons	A,L,U	<ul style="list-style-type: none"> <li>• Textbook Illustrations</li> <li>• Handout Illustrations</li> </ul>	<ul style="list-style-type: none"> <li>• Teacher Observation</li> <li>• Completion of Activities</li> </ul>	3.7.7D



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