

COMPUTER STUDIES GRADE 6

Course Description:	The sixth grade computer studies course provides students with the opportunity to master essential technology skills and concepts that are part of the Northern York County School District K-12 Technology Competencies which in turn are based upon the Pennsylvania Academic Standards and the National Educational Technology Standards.
<i>Grade Level:</i>	6
Length of Course:	Frequency: 2 days per 6 day cycle Duration: 42 minutes Length: full year course
Prerequisites:	Completing 5 th grade
Textbook:	none
Expected Level of Achievement	Students will be required to maintain a 70% or better. They will be required to come to class prepared to learn. 93-100% = A 85 – 92% = B 77 – 84% = C 70 – 76% = D Below 70% = F

Northern York County School District Curriculum

Course Name:	Sixth Grade Computer Studies
Content:	Basic Computer Operations and Concepts
Key Learning(s):	Core Concept: Understanding/Using/Applying Basic Technology Skills and Terminology
Essential Question(s):	How do we use technology to perform basic tasks?
Vocabulary:	Username; password; network; network drive; icon; download; upload; file; folder
Grade Level:	6

Number	Standard	Student Learning Experiences	Procedures for Assessment	Resources
3.7.7.C	Explain and demonstrate basic computer operations and concepts	Students will log into the and log out of the district computer network using established and proper procedures	Students will log into and out of the district network using their username and password while being observed by the teacher	The current network operating system (Novell)
3.7.7.C	Explain and demonstrate basic computer operations and concepts	Students will navigate the Windows desktop and menus	Teacher observation of students Classroom discussion	MS Windows operating system
3.7.7.C	Explain and demonstrate basic computer operations and concepts	Students will manage and organize their server space: <ul style="list-style-type: none"> • Create folders • Save to folders • Delete from folders 	Teacher inspection of student server space to see that folders are created for student use	The current network operating system (Novell) MS Windows operating system

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Content:	Basic Computer Operations and Concepts
Key Learning(s):	Core Concept: Understanding/Using/Applying Basic Technology Skills and Terminology
Essential Question(s):	How do we use technology to perform basic tasks?
Vocabulary:	CTRL key; ESC key; CTRL-alt-delete; keyboard shortcuts
Grade Level:	6

Number	Standard	Student Learning Experiences	Procedures for Assessment	Resources
3.7.7.C	Explain and demonstrate basic computer operations and concepts	Students use appropriate shortcut keys for Windows operating system and application software commands (Apple key replaced by Ctrl key)	Teacher observation of students	MS Windows operating system MS Office software
3.7.7.C	Explain and demonstrate basic computer operations and concepts	Students identify, analyze, and solve basic hardware and software problems <ul style="list-style-type: none"> • Power up problems • Computer freezes • Student server space not available • Other problems as they arise 	Teacher observation of students and, if necessary, assistance in solving the problem	MS Windows operating system MS Office Software The current network operating system (Novell)

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Course Name:	Sixth Grade Computer Studies
Content:	Basic Computer Operations and Concepts
Key Learning(s):	Core Concept: Learn proper keyboarding skills
Essential Question(s):	How do we use proper keyboarding technique to type rapidly and accurately?
Vocabulary:	Home row keys (ASDFJKL;) ; keyboard territories (by home row key); anchor fingers
Grade Level:	6

Number	Standard	Student Learning Experiences	Procedures for Assessment	Resources
3.7.7.C	Explain and demonstrate basic computer operations and concepts	Students practice proper touch-typing techniques <ul style="list-style-type: none"> • Posture and hand positioning • Type Home Row keys • Type using Shift keys • Type keys not on the home row using proper finger (keyboard territories) 	Direct teacher observation of students while they are keyboarding	Keyboarding programs Word processing software timed writings
3.7.7.C	Explain and demonstrate basic computer operations and concepts	Students demonstrate proper touch-typing with age-appropriate speed and accuracy	Keyboarding speed and accuracy tests given using a keyboarding program and/or timed writings	Keyboarding programs Word processing software timed writings

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Course Name:	Sixth Grade Computer Studies
Content:	Social and Ethical Issues
Key Learning(s):	Core Concept: Social Issues
Essential Question(s):	How do we use technology alone or in collaboration with others in a safe and responsible way?
Vocabulary:	AUP (acceptable use policy); chat room; screen name; pedophile/on-line predator, computer virus
Grade Level:	6

Number	Standard	Student Learning Experiences	Procedures for Assessment	Resources
1.6.8.A	Listen to others	<p>Students work cooperatively and collaboratively with others when using technology</p> <ul style="list-style-type: none"> • Assist other students who need help • Share ideas on using computer software 	Teacher observation of students as they work independently or in groups using technology	MS office or other software available at the Middle School
3.7.7.A	Describe the safe and appropriate use of tools, materials, and techniques to answer questions and solve problems	<p>Students demonstrate safe and responsible behaviors when using technology</p> <ul style="list-style-type: none"> • Safe use of the Internet • Protecting personal information • Taking proper care of hardware and software when being used 	Teacher observation of students as they use computer hardware and software at school Internet Safety Quiz	<p>Guest presenter</p> <p>Internet</p> <p>Student/parent signed Family Contract for safe computer use</p> <p>Hardware and Software used by students at school</p>

Northern York County School District Curriculum

Course Name:	Sixth Grade Computer Studies
Content:	Productivity Tools
Key Learning(s):	Core Concept: Using a word processor effectively
Essential Question(s):	How do you use word processing software to create different documents?
Vocabulary:	text box; word art; page border; clip-art media file types
Grade Level:	6

Number	Standard	Student Learning Experiences	Procedures for Assessment	Resources
3.7.7.D	Apply computer software to solve specific problems	Students create word processing documents.	Word processing projects or assignments reviewed by teacher using a rubric	MS Word
3.7.7.D	Apply computer software to solve specific problems	Students use skills for editing and printing word processing documents including: <ul style="list-style-type: none"> • Toolbars • Inserting/Deleting text • Spell checker/Thesaurus • Using page setup • Inserting clipart • Inserting Internet pictures • Borders and Shading 	Word processing projects or assignments reviewed by teacher using a rubric	MS Word Internet Teacher Handouts
3.7.7.D	Apply computer software to solve specific problems	Students format paragraphs by setting alignment, spacing and margins	Word processing projects or assignments reviewed by teacher using a rubric	MS Word Teacher Handouts

Northern York County School District Curriculum

Course Name:	Sixth Grade Computer Studies
Content:	Productivity Tools
Key Learning(s):	Core Concept: Using a word processor effectively
Essential Question(s):	How do you use word processing software to create different documents?
Vocabulary:	table; bulleted list; line spacing; left align; center; right align; margins
Grade Level:	6

Number	Standard	Student Learning Experiences	Procedures for Assessment	Resources
3.7.7.D	Apply computer software to solve specific problems	Students use rulers, margins and tabs; and alignment buttons	Word processing projects or assignments reviewed by teacher using a rubric	MS Word Teacher Handouts
3.7.7.D	Apply computer software to solve specific problems	Students create a bulleted list	Word processing projects or assignments reviewed by teacher using a rubric	MS Word Teacher Handouts
3.7.7.D	Apply computer software to solve specific problems	Students create and use a table	Word processing projects or assignments reviewed by teacher using a rubric	MS Word Teacher Handouts

Northern York County School District Curriculum

Course Name:	Sixth Grade Computer Studies
Content:	Productivity Tools
Key Learning(s):	Core Concept: Creating media using technological devices
Essential Question(s):	How do you use a digital camera and/or scanner to import photos, graphics, etc. into a document to improve or enhance that document?
Vocabulary:	Digital camera; scanner; USB port, picture toolbar, cropping, text wrapping
Grade Level:	6

Number	Standard	Student Learning Experiences	Procedures for Assessment	Resources
3.7.7.C	Explain and demonstrate basic computer operations and concepts	Students use a digital camera and scanner to save pictures to their server space and then insert these pictures into a MS Office document	Projects or assignments reviewed by teacher using a rubric	Digital Camera MS Office software Scanner

Northern York County School District Curriculum

Course Name:	Sixth Grade Computer Studies
Content:	Multimedia Presentation Tools
Key Learning(s):	Core Concept: Use multimedia software to create a presentation
Essential Question(s):	How do you create a slide show using multimedia software?
Vocabulary:	Slide show; slide; blank presentation; design template; autocontent wizard; slide layout; normal view; outline tab; promoting and demoting outline points
Grade Level:	6

Number	Standard	Student Learning Experiences	Procedures for Assessment	Resources
3.7.7.D	Apply computer software to solve specific problems	<p>Students create a presentation from scratch or by using a template and slide layout</p> <ul style="list-style-type: none"> Select and apply appropriate template Add or delete slides 	Class work reviewed by teacher checking a student's file on server using a rubric	Teacher handouts MS PowerPoint
3.7.7.D	Apply computer software to solve specific problems	Students will add text and graphics to a presentation slide and then edit that text and graphics as required.	Class work reviewed by teacher checking a student's file on server using a rubric	Teacher handouts MS PowerPoint Internet Sites

Northern York County School District Curriculum

Course Name:	Sixth Grade Computer Studies
Content:	Multimedia Presentation Tools
Key Learning(s):	Core Concept: Use multimedia software to create a presentation
Essential Question(s):	How do you create a slide show using multimedia software?
Vocabulary:	Action buttons; bulleted list; slide sorter view
Grade Level:	6

Number	Standard	Student Learning Experiences	Procedures for Assessment	Resources
3.7.7.D	Apply computer software to solve specific problems	Students create buttons to navigate through a series of slides either sequentially or non-sequentially	Class work reviewed by teacher checking a student's file on server using a rubric	Teacher handouts MS PowerPoint
3.7.7.D	Apply computer software to solve specific problems	Students create buttons that link to internet sites or other documents	Class work reviewed by teacher checking a student's file on server using a rubric	Teacher handouts MS PowerPoint
3.7.7.D	Apply computer software to solve specific problems	Students create bulleted and numbered lists in a slideshow	Class work reviewed by teacher checking a student's file on server using a rubric	Teacher handouts MS PowerPoint
3.7.7.D	Apply computer software to solve specific problems	Students reorder slides in a presentation	Class work reviewed by teacher checking a student's file on server using a rubric	Teacher handouts MS PowerPoint

Northern York County School District Curriculum

Course Name:	Sixth Grade Computer Studies
Content:	Multimedia Presentation Tools
Key Learning(s):	Core Concept: Use multimedia software to create a presentation
Essential Question(s):	How do you create a slide show using multimedia software?
Vocabulary:	Custom animation; slide transitions; animated movies (gifs); 3-D effects; shadow effects
Grade Level:	6

Number	Standard	Student Learning Experiences	Procedures for Assessment	Resources
3.7.7.D	Apply computer software to solve specific problems	Students add visual and sound effects appropriately to slides <ul style="list-style-type: none"> • Color Schemes • Custom Animation • Transitions • Animated GIFs • Sound 	Class work reviewed by teacher checking a student's file on server using a rubric	Teacher handouts MS PowerPoint
3.7.7.D	Apply computer software to solve specific problems	Students create an original multimedia presentation	Students complete a PowerPoint project or assignment which is checked using a rubric. PowerPoint written quiz	Teacher handouts MS PowerPoint Internet sites Teacher-created quiz

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Course Name:	Sixth Grade Computer Studies
Content:	Technology Research Tools
Key Learning(s):	Core Concept: Using online reference tools
Essential Question(s):	How do you use tools online to find information and media that you need?
Vocabulary:	Search engines; Boolean searches
Grade Level:	6

Number	Standard	Student Learning Experiences	Procedures for Assessment	Resources
1.8.8.B & 3.7.7.E	Locate information using appropriate sources and strategies Explain basic computer communication systems	Students use keywords to effectively search online databases to find information and media that they need.	Teacher observes and assists students as they gather information online for projects or assignments. Students complete a scavenger hunt or web-quest.	NYCSD Resource Link Other Internet Sites and search engines

