

Wallenpaupack Area School District

COURSE: Computer Education

GRADE LEVEL: Grade 5

LENGTH OF COURSE:

TEXT:

PUBLISHER:

COPYRIGHT:

COURSE DESCRIPTION:

AREAS OF STUDY:

Keyboarding
Instructional Software
Graphic Design
Word Processing
Critical Thinking
Research
Presentation

CURRICULUM WRITING TEAM:

Donna Bree

DATE OF REVISION:

2006

Wallenpaupack Area School District

Course: Computer Education

Grade Level: Grade 5

Unit: Keyboarding

PA Standards: 3.7.7.C.3

Topics:	Skills:
Proper hand position/home row Number and other letter key locations Reinforce the concept of speed and accuracy through keyboarding lessons	Reinforce home row keys Locate enter, letters, numbers, shift, backspace, arrows, punctuation keys, spacebar, tab Practice moving from the home row to rows above and below
Activities:	Performance Assessments:
Demonstration of keyboarding specific software Teach keyboarding skills within the programs, i.e. Animated Typing, Type to Learn, KidKeys, Jump Start Typing, Mavis Beacon Time-related accuracy tests	Teacher observation and classroom progress Software generated progress reports

Wallenpaupack Area School District

Course: Computer Education

Grade Level: Grade 5

Unit: Instructional Software

PA Standards: 3.7.4.D.1
3.7.4.D.4
3.7.4.E.1

Topics:	Skills:
Mathematical operations: addition, subtraction, multiplication and division Logic and thinking Vocabulary and spelling Social studies/geography Tessellations	Solve mathematical equations Complete games Solve puzzles Develop map skills Maneuver through adventure software Create an original tessellation
Activities:	Performance Assessments:
Demonstrations, lectures and class discussion Software such as Math Blaster, Animated Arithmetic, Cluefinders, Oregon Trail, Tesselmania, etc. Websites such as Scholastic.com, Timeforkids.com, and CD-ROM series such as Living Books for literature	Teacher observations and student progress Software-generated progress reports Completed tessellation project

Wallenpaupack Area School District

Course: Computer Education

Grade Level: Grade 5

Unit: Graphic Design

PA Standards: 3.7.4.D.1

3.7.4.D.3

3.7.4.D.5

Topics:	Skills:
Create and print a computer-generated graphic Create backgrounds and music Incorporate graphic, backdrop and border into student-selected project Import a digital image from a digital camera or scanner	Use advanced paint tools Design a graphic Modify and manipulate graphics and digital images Incorporate graphics into student documents and/or publications
Activities:	Performance Assessments:
Demonstrate painting and design software (i.e. KidPix, Paint) Demonstrate graphics program i.e. Print Shop, Publisher Assign the creation of a graphic Students will use proper paint tools and incorporate required elements Assign incorporation of graphics into existing word processing documents Documents correlate with courses of study in the regular classroom	Teacher observation Completed print job Demonstration of project

Wallenpaupack Area School District

Course: Computer Education

Grade Level: Grade 5

Unit: Word Processing

PA Standards: 3.7.4.D.1

3.7.4.D.2

Topics: Creating documents using a word processor	Skills: Use previously learned keyboarding techniques Use upper and lower case, tab, punctuation, and spacing correctly Change font, size, style and color Master cut-paste and copy-paste functions Topic to be in conjunction with classroom work and determined by classroom teacher Master use of spell check and Thesaurus
Activities: Demonstrate word processing technique, tools and formatting for document Utilize word processor such as Word 2K to create a document	Performance Assessments: Teacher observation Completed print job

Wallenpaupack Area School District

Course: Computer Education

Grade Level: Grade 5

Unit: Critical Thinking

PA Standards: 3.7.4.D.4

Topics:	Skills:
<p>Explore activities for counting, comparing, sorting measurement, estimation, addition, subtraction, multiplication and division</p> <p>Initiate student involvement in reading, writing and typing</p> <p>Work independently on related projects</p> <p>Develop logic and reasoning through learning experiences using puzzles, patterns and spatial activities</p> <p>Develop problem solving and critical thinking skills through the use appropriate software</p>	<p>Motivate and support students as they advance their curriculum skills</p> <p>Practicing reading, writing and typing skills</p> <p>Learning progressions are presented and designed to support student-learned specific skills</p> <p>Emphasize strategies necessary for solving problems involving critical and logistical thinking</p>
Activities:	Performance Assessments:
<p>Demonstrations, lectures and class discussions</p> <p>Software including Clue Finders and I Spy applications offer activities at appropriate levels</p> <p>Search and Solve, Mission, T.H.I.N.K. and I Spy Spooky Mansion offer modules appropriate for student success</p> <p>Math and reading activity will complement classroom curriculum</p>	<p>Teacher observation and student progress</p> <p>Software generated progress reports</p>

Wallenpaupack Area School District

Course: Computer Education

Grade Level: Grade 5

Unit: Research/Internet

PA Standards: 3.7.4.D
3.7.4.E.1
3.7.4.E.3

<p>Topics:</p> <ul style="list-style-type: none"> Introduction to the Internet of connected computers Learning to search the Internet, bookmarking Searching out websites Using Encarta Encyclopedia and OPAC searches Develop an awareness of copyright law 	<p>Skills:</p> <ul style="list-style-type: none"> Help students to understand connectivity of a networked system Help students understand that websites hold key information to subjects Keyword, title, author, subject searches are centered on the computer Integrate with classroom assignments and subjects Include proper documentation
<p>Activities:</p> <ul style="list-style-type: none"> Library--resources for school topics Museums—art, science, historical connections Time related activities/websites, i.e. Iditarod, Olympics, elections Weather—local and national Newspapers Encyclopedias Research activity will incorporate proper copyright procedure 	<p>Performance Assessments:</p> <ul style="list-style-type: none"> Teacher observation and student progress Completed research document Demonstration of finished project

Wallenpaupack Area School District

Course: Computer Education

Grade Level: Grade 5

Unit: Presentation Software

PA Standards: 3.7.4.D.3

Topics: Create and design an original PowerPoint project	Skills: Organize and plan project topic Develop slide show utilizing features and functions within the PowerPoint program Import graphics and sounds from other software on Internet Use proper presentation techniques to present project
Activities: Discuss possible topics (topics will coordinate with classroom curriculum) Demonstration PowerPoint program Organize project contents on paper Develop slide show using PowerPoint software Present slide show to class on large screen	Performance Assessments: Teacher observation Completed of project Presentation of project