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K to the 8th Power



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Lab directors and teachers now have access to comprehensive technology courseware that reinforces state and national academic standards. This software bridges the gap between what is taught in the classroom and what students do in a typical school computer lab.

FEATURES

Technology Education

Standards-Based Curriculum

Easy-to-Use

Fun for Students

Flexible Lesson Formats

Student Tracking and Reporting

Designed for Technology Coordinators and Lab Directors

Many computer literacy goals are met with the K to the 8th Power curriculum at the sixth grade level. These computer literacy goals are met as students work through exercises on a computer. Academic content is reinforced as students go through these activities.

Computer literacy areas covered include applying strategies for identifying and solving simple hardware and software problems, storyboarding ideas for presentations, demonstration of various common application programs such as spreadsheets and word processors, creating and editing digital photographs, creation of multimedia projects, and Internet searching and cataloging.

The majority of exercises that students perform while learning about computers also connect back to objectives of standards-based tests. As students learn about technology, they also enhance their academic abilities in math, reading and written language.

The software is easy to administer, easy-to-use, and fun for students. Lessons are made up of easy-to-follow instructions in a wide variety of formats. Games, puzzles, labs and activities are all developed to keep the students interest while developing computer literacy skills.

The software also comes with a built-in mechanism for tracking student progress through each subject and each grade level. Teachers can monitor their students performance as they move through the curriculum with an easy-to-use Learning Management System (LMS).



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For specific information about the sixth grade curriculum and more detail about product features, read on!



Lesson Name	Academic Summary	Technology Summary
Answer Factual Questions on Literature	This lesson teaches students how to find the answers to factual questions in literature. Different types of literature are used to develop this skill.	Students will use Microsoft Word to answer questions from an excerpt of the story "Call of the Wild" by Jack London. Students are given the story along with 10 questions they must answer and format.
Answer Questions From Reading	The students will review the role that Greek and Roman mythology have played in our modern language. The student will be presented with words and phrases which have their origins in ancient mythology. The students will read the story of Echo and Narcissus and answer questions from their reading. The lesson includes an interactive game to reinforce the lesson objective.	The students will use Microsoft Word to write ten words that they remembered from the reading selection. They will save and print their document.
Compare Numbers	Students will learn to compare whole numbers, fractions, and decimals. Students review fractions and the definition of numerator, denominator, mixed number, and improper fraction. Students are shown how to write a fraction as a mixed number and how to change a decimal to a fraction in order to compare numbers.	Students create tables in Microsoft Word to solve several problems related to decimals and fractions. Students also format the table to display the numbers correctly.
Conclusions and Inferences	This lesson combines making inferences and drawing conclusions in order to analyze literature. Students learn how to develop each skill by reading and answering questions on "The Child's Story" by Charles Dickens.	Students will use Microsoft Word to create a two-page document. Students are given two passages of text and are shown how to insert page breaks between the two passages. Students format several aspects of the document as they answer the questions given.
Consumer Problems	In this lesson students will learn to solve multistep consumer application problems. Students are shown examples of different types of word problems. They will answer questions based on information from each problem. Students will take the information from the problems and learn to present the results in a bar and line graph.	Students will use Microsoft Excel to record and tracks sales of consumer products. The lesson has six consumer problems and the students will analyze the data presented in the lesson to solve the problems and present answers with graphs.
Common Suffixes	In this lesson students will learn how to recognize suffixes, how to create new words with suffixes, and the meaning of common suffixes. Students play games to practice identifying suffixes. The student activity asks students to determine the roots and suffixes of a list of words.	Students will use Microsoft Excel to create a spreadsheet. Students are given 16 vocabulary words and asked to list the root word in one column and the suffix in another column of the spreadsheet. Students are also shown how to use the MOD formula.

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Decimals	In this lesson students will solve word problems with decimals using addition, subtraction, multiplication, and division. Students are shown examples of each type of problem and take a quiz to practice each one. Students also review basic addition, subtraction, multiplication, and division facts.	Students will use Microsoft Excel to reinforce proper calculations involving decimals. They will copy and paste data from the lesson into a spreadsheet. First the students will perform the calculations manually and then they will create a formula to calculate the answer. Students will compare their manual calculations with the formula answers.
Descriptive Writing	This lesson teaches students how to write a descriptive essay using research based on the legends of King Arthur.	Students will use Microsoft Word to create a travel brochure based on the lesson content. They will copy and paste text from the lesson and find a photograph from the K to 8 Resource Library to add to their brochure.
Edit Writing	This lesson reviews how to edit writing for capitalization, punctuation, spelling, and grammar. In the process of editing, students learn about Jack London and "The Call of the Wild."	Students will use Microsoft Word to edit writing. Students will copy and paste a passage from the lesson into the Word document and then correct punctuation, spelling, and grammatical mistakes and formatting errors.
Equivalent Relationships	Students will learn to compare fractions, decimals, and percents. Students are shown how to change a fraction to an equivalent decimal and percent, how to change a decimal to a fraction and a percent, and how to change a percent to a decimal.	Students will use Microsoft Excel to create and display equivalent relationship. The spreadsheet will have columns for percent, fraction, and decimal. Student will also create a pie chart to show the equivalent relationships.
Formulate Questions	Students will learn how to formulate questions that will help them understand what they read. The lesson uses two Greek myths and a poem to let students practice asking and answering questions. Students review the definition and purpose of fact questions, interpretation questions, and evaluation questions.	Students will download a Microsoft Word document from the K to 8 Resource Library and save it to their computers. Students will highlight various parts of the document based on the lesson objectives. They will write questions to demonstrate their understanding of the lesson.
Fractions	In this lesson students add, subtract, multiply, and divide with fractions. Students are shown examples of each type of problem and take a quiz to check for understanding. They also review basic addition, subtraction, multiplication, and division facts.	Students use Microsoft Excel to solve several problems related to addition, subtraction, multiplication, and division of fractions. Students change properties of the spreadsheet cells and text. Once the document is complete, students exchange papers and solve the problems.
Mixed Numbers	This lesson covers addition, subtraction, multiplication, and division of mixed numbers. Students are shown examples of each type of problem and take a quiz to check for understanding. They also review basic addition, subtraction, multiplication, and division facts.	Students use Microsoft Excel to solve several problems related to mixed numbers. Students change properties of the spreadsheet cells and text. Once the document is complete, students exchange papers and solve the problems.
Narrative Writing	This lesson teaches students how to write narrative essays. They will use research they have done on the Arthurian legends to write a narrative.	Students will use Microsoft PowerPoint to create a presentation of their narrative essay. They will create slides for the introduction, development, and conclusion paragraphs.
Paraphrase	This lesson teaches students how to paraphrase different types of reading materials. Students will learn what paraphrasing means and they will practice writing paraphrases.	Students will use Microsoft PowerPoint to create a presentation. Students learn to use the slide design and slide transition features of PowerPoint. Students are asked to paraphrase several famous quotes and save their presentations.
Persuasive Writing	Students learn how to write a persuasive essay. They will use research they have done on the Arthurian legends to take a position on a topic related to the Arthurian legends.	Students will first conduct research on a topic given and take notes using Notepad or a similar program. Students then use Microsoft Word to create a persuasive essay on their topic.

Lesson Name	Academic Summary	Technology Summary
Regular and Irregular Plurals	This lesson teaches students the rules for regular and irregular plurals. Students will do a variety of exercises to give them practice with plurals.	This lesson teaches students how to insert and use tables in Microsoft Word. Students add thirty words to a table and then add the plural form of each word.
Revise Writing for Correct Verb Tense	Students will learn how to use the correct verb tense and how to recognize mistakes in writing selections. Students will do a practical application exercise to practice recognizing incorrect verb tenses.	Students will use Microsoft Word to create a three-paragraph story about an exciting or fun memory. Students are directed to trade papers with another student and to change the tense of the other students work.
Sequence of Events in Fiction	Students learn how to recognize the sequence of events in a fictional story. Types of sequencing are discussed and examples are shown.	Students copy stanzas from "Paul Revere's Midnight Ride" and sequence the events in a Microsoft Word document.
Story Problems	Students will learn to solve word problems with addition, subtraction, multiplication, and division. Students are introduced to key words to look for in deciding which operation to use. Students are shown examples of each type of word problem and then take a quiz to practice what they have learned. They create their own word problems using addition, subtraction, multiplication, and division.	Students use Microsoft Excel to write eight word problems, two each using addition, subtraction, multiplication, and division. Students format the document and exchange it with another student for solving each problem.
Using Context Clues to Define Words	This lesson teaches students how to define words by using context clues. There are six different types of context clues introduced. Students will practice recognizing and using each type.	Students will use Microsoft Word to create a table. They will use the table to record words from the lesson and demonstrate how to define the words based on what they have learned in the lesson.
Whole Numbers	In this lesson students review addition, subtraction, multiplication, and division of whole numbers. Students are shown examples of word problems and how they are solved using addition, subtraction, multiplication, and division. They will take a quiz to review basic facts. Students write word problems to show what they have learned in the lesson.	Students use Microsoft Word to create problems related to the 2004 presidential elections. Students change properties of the document. Once the document is complete, students exchange papers and solve the problems.
Word Processing - Alexander the Great	This lesson teaches advanced word processing skills by having students put together a project on Alexander the Great. Students use articles, pictures, maps, quotes, legends, and lyrics from a song for the project.	Students create several folders on their hard drive to store information about Alexander the Great. They go to several different Web sites and copy information into the folders. They create a project on Alexander the Great using Microsoft Word.
Write Expository Essay	Students review the definition and purpose of an expository essay. They will see examples of expository essays online. After researching a facet of King Arthur's life, the students will write an expository essay.	Students will use Microsoft Word to create an outline for an expository essay. After the outline is approved the students will write an expository essay.