



Lesson Name	Academic Summary	Technology Summary
<p>Area, Perimeter, and Volume</p>	<p>In this lesson students will learn how to find the area of a rectangle, square, and parallelogram. They will learn to find the perimeter of a rectangle and triangle. They will also learn to find the volume of a rectangular prism.</p>	<p>Students use Microsoft Excel to create the floor plan of a bedroom. They draw pieces of furniture and include them in the room. They create formulas for solving the area and perimeter of the room.</p>
<p>Compound Subjects and Predicates</p>	<p>This lesson teaches how to recognize compound subjects and predicates. Students play games to practice choosing the compound subjects and predicates in sentences. Students write sentences that contain compound subjects and predicates.</p>	<p>Students use email to send their teacher the answer to several problems related to compound subjects and predicates. If students do not have an email account, they are shown how to create one using Yahoo Mail.</p>
<p>Conclusions and Inferences</p>	<p>This lesson teaches students how to make inferences and draw conclusions in reading fiction. Students practice these analytical tools while reading Edgar Allen Poe's "The Tell-Tale Heart."</p>	<p>Students use Microsoft Word to answer several questions related to Part 1 of the poem "The Tell-Tale Heart." Students also learn several formatting techniques during this activity.</p>
<p>Convert Decimals to Fractions</p>	<p>In this lesson students learn to convert decimals to fractions and fractions to decimals. Students are shown examples of converting decimals to fractions and practice this skill with a quiz game. Students are also shown how to convert fractions to decimals and demonstrate understanding by answering quiz questions.</p>	<p>Students use Microsoft Word to create a table of three columns and eight rows. They are given the ingredients for chocolate chip cookies and the amounts of each ingredient in decimals. Students must convert the decimals to fractions to complete the activity.</p>
<p>Correct Word Usage</p>	<p>Students learn how to use homonyms correctly. They will identify common homonyms and write sentences using the correct homonyms.</p>	<p>Students will use Microsoft Word to write sentences with homonyms. Students will learn that the Spelling and Grammar Tool does not always find and correct misused homonyms.</p>
<p>Decoding Words</p>	<p>This lesson teaches students how to define words using context clues. The lesson will give students practice in using six different types of context clues. Students will review common suffixes and prefixes to help them decode the root words.</p>	<p>Students will copy word diagrams from the lesson and create an animated Microsoft PowerPoint presentation.</p>
<p>Describe Setting, Plot, and Theme</p>	<p>This lesson teaches students how to identify the setting, plot, and theme in literature. Students will practice identifying these elements in various reading selections. Students will apply their knowledge by writing short selections that use setting, plot, and theme.</p>	<p>Students will use Microsoft Word to describe the setting, plot, and theme of two poems. Students will build a newsletter-style document that includes pictures and a border.</p>

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Descriptive Writing	This lesson teaches students how to organize and write a descriptive essay. Students will choose a topic describing a great leader.	Students will use Microsoft Excel to define 18 words provided in this activity. Students create two columns in their spreadsheets, one for the word and another for the definition of the word. Students follow instructions for formatting the document to the correct font type, size, and style.
Edit Writing	Students will review how to edit writing for capitalization, punctuation, spelling, and grammar. Students will read and listen to passages from George Orwell's book "Animal Farm." They will practice editing several sentences from this story.	Students will copy and paste ten sentences from the lesson into a Microsoft Word document. They will identify and correct capitalization, punctuation, spelling, and grammar errors.
Graphs	This lesson will teach students to use information in line, bar, circle, and picture graphs to make comparisons and predictions.	This lesson uses Microsoft Excel and the Internet in the technology portion of the lesson. Students are directed to the USA Today weather almanac where the get information to be used in creating a graph.
Identify Common and Proper Nouns	Students learn how to identify common and proper nouns. Students will do a word processing exercise using and identifying both types of nouns.	Students will copy and paste text from the lesson into Microsoft Word. They will change common nouns to proper nouns, and they will change proper nouns into common nouns.
Interest Word Problems	In this lesson students learn about simple and compound interest. They learn the definition of principal, interest rate, time, and interest. Students will learn the formulas for finding simple and compound interest.	Students will copy and paste several interest problems to a new Microsoft Excel spreadsheet. Students will solve simple and compound interest problems.
Narrative Writing	Students learn how to organize and write a narrative essay. Students will choose a topic on patriotism in America.	Students write a narrative essay using Microsoft Word. Several ideas of topics are presented. Specific instructions are also given for how the final document should look.
Organize Ideas for Writing	Students learn how to organize ideas for writing. They learn how to use graphic organizers and outlines for different types of writing.	Students will use the Outline View in Microsoft Word to create an outline for an expository essay. They will also use the Drawing Toolbar to create a graphic organizer.
Percent Word Problems	This lesson will teach students how to solve word problems dealing with percent. Students are taken through the steps to solving a word problem and then have the opportunity to practice what they have learned. Students also create their own word problems using percents.	The student will use Microsoft Excel to create and solve four word problems involving sales tax. The student will be directed to Target.com to find four items for this exercise. The student will then be directed to a Web site to look up the sales tax rate for the local area. Using the four items and the local sales tax rate, the student will compute the amount of tax for each item.
Persuasive Writing	This lesson teaches students how to organize and write a persuasive essay. Students choose a topic on citizenship that they must argue for or against.	Students will use Microsoft Word to create a persuasive essay. They are given two choices of topics to write about and are instructed to write each essay with a main point, supporting statements, details, and a closing statement.
Practical Math Problems	Math is a part of everyday life. Students will learn to solve practical math problems using addition, subtraction, multiplication, and division. Students will create a graph using information from a math problem. They will create their own math problems to demonstrate what they have learned in the lesson.	Students will copy and paste four practical math problems into a new Microsoft Excel spreadsheet. First they will solve the problems manually and then they will check their answers with Microsoft Excel.

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Read and Comprehend Information From Sources	Students will learn how to research various types of print and online sources. They will research information on earthquakes.	Students gather information from Internet links provided in the lesson. Students use this information to create a document that answers questions about earthquakes. Students use online maps, almanacs, dictionaries, libraries, and a thesaurus.
Read and Write Poetry	Students will learn how to read, understand, and enjoy poetry. This lesson uses the theme of alienation from song lyrics, poems, and a Shakespeare play to discuss and learn about poetry. Rhyme and meter are discussed. Students are asked to write a poem about alienation.	Students will find the lyrics to their favorite song by doing a Web search. They will copy and paste the lyrics into a Microsoft Word document and answer questions about the lyrics. Students will write a poem on the topic of alienation.
Read Textual, Functional, and Recreational Materials	In this lesson the students review the differences between textual, functional, and recreational material. The lesson will briefly define each type of material and students will see several examples of each. They will play interactive games to reinforce the lesson objective.	The students will use Microsoft Word to list three examples of each type of reading material. They will print and save their document.
Revise Writing for Point of View	Students will learn how to proofread for point of view. They will rewrite selections that incorrectly use point of view.	Students will use Microsoft Word to rewrite a fairy tale from different points of view. Students choose one of three stories and revise the story in first person, third person, and third person limited omniscient point of views.
Three-Step Problems	In this lesson students review the steps in solving word problems using addition, subtraction, multiplication, and division. Students go through examples of three-step problems and then demonstrate what they have learned by answering quiz questions.	Students use Microsoft Word to create three word problems using a combination of addition, subtraction, multiplication, and division. They use information from Web sites such as infoplease.com to create the problems. Students exchange their word problems with a classmate and solve the problems.
Use Context Clues	This lesson teaches students how to define words by using context clues. Different types of context clues are discussed. Students define words and write sentences with examples of context clues.	Students will create a Microsoft Word document and write sentences to show different types of context clues. They will underline the word and highlight the context clue that helps define the word.
Use Print and Electronic Resources	This lesson teaches students how to search print and electronic sources to locate books and articles. Students will locate resources on the Revolutionary War.	Students will use Microsoft Word to answer the questions given to them in the activity. They are given questions that require either an encyclopedia, library catalog, e-text, or the Internet to find the answers.
Write a Business Letter	Students are introduced to the purposes of business letters. The lesson teaches students the different styles and parts of a business letter. Students compose and format a business letter as part of the lesson.	Student use Microsoft Word to write a business letter. The activity covers creating a letter with the Letter Wizard in Microsoft Word, editing, proofreading, and addressing an envelope using the Envelope and Labels Tool.
Write an Expository Essay	Students learn how to research, organize, and write an expository essay. Topics are related to great American inventions.	Students start by doing research on an inventor of their choice. Students take notes on sources that will be used to write an expository essay. Students write an expository essay and format their documents based on the instructions provided.