techSteps

Project Descriptions

Kindergarten	
Project 1	**What's Missing?** ***Microsoft Excel*** Identify and type missing numbers and letters in simple sequences.
Project 2	**By Air, Water, or Land** ***Microsoft Excel*** Categorize pictures by clicking and dragging each picture into a box associated with one of three transportation categories: air, water or land.
Project 3	**Sorting Science** ***Microsoft Word*** Sort animal pictures and tell whether they are insects or not.
Project 4	**Five Senses** ***Microsoft Word*** When do you use your five senses? In this activity, you will look at an object and tell which sense you use to discover information about it.
Project 5	**What's Next?** ***Microsoft Excel*** Complete patterns consisting of basic shapes. Use provided shapes to make your own patterns.
Project 6	**Shape Hunt** ***Microsoft Word*** Look at pictures of everyday objects to determine the predominant shape of each object. Sort the pictures by dragging each object into a box associated with a basic shape.

First Grade	
Project 1	**Look at the Clouds** ***Microsoft PowerPoint*** Use your imagination as you look at clouds and share what you see.
Project 2	**What's the Weather?** ***Microsoft Excel*** What do the clouds look like today? Learn how weather affects our daily lives.
Project 3	**Classify Leaves** ***Microsoft Excel*** How are leaves alike and different? In this activity you will sort leaves into groups.
Project 4	**Colors of the Rainbow** ***Microsoft Excel*** What are the colors in the rainbow? Survey your classmates to discover their favorite rainbow color.
Project 5	**Identify and Draw Shapes** ***Microsoft Word*** Practice drawing shapes and then create your own shape illustration.
Project 6	**Measure Your Hand** ***Microsoft Excel*** Measure the length of your hand. Using the length of your hand as a frame of reference, find objects that have the same length.

Second Grade	
Project 1	**Flight Write** ***Microsoft PowerPoint*** Imagine flying across the sky in a hot air balloon. Where would you go? What would you see?
Project 2	**Visual Clues** ***Microsoft Word*** Look at photographs, observe visual clues and add text to thought bubbles.
Project 3	**Trading Cards** ***Microsoft PowerPoint*** Use a pre-designed PowerPoint template to create a trading card slide. Type at least three researched facts and insert a clip art graphic from the Clip Art Gallery.
Project 4	**Sounds Like** ***Microsoft Word*** Listen to various sounds. Tell what you think is happening.
Project 5	**Interpret a Pictograph** ***Microsoft Excel*** Make a graph showing how the students in your class traveled to school today.
Project 6	**Mental Math** ***Microsoft Excel*** Use a number grid to add one and two digit numbers. Learn strategies that make mental arithmetic easier.

Third Grade	
Project 1	**Is It Fact? Is It Fiction?** ***Microsoft Word*** Read about spiders and then organize and share what you know. Decide for yourself, are spiders friends or foes?
Project 2	**Who Am I?** ***Microsoft PowerPoint*** Create a 'Who am I?' puzzle about a classmate. Uncover a photograph of your mystery person one shape at a time. Add written clues to help your friends guess the identity of the person.
Project 3	**Neighborhood Maps** ***Internet*** Learn about maps and symbols. Use a Web site to look at a map of your neighborhood.
Project 4	**Mini Field Trip** ***Microsoft PowerPoint*** Are you ready to create a digital 'field trip' for others to enjoy?
Project 5	**Class Favorites** ***Microsoft Excel*** Learn the basics of Excel as you gather and graph data about the favorite drinks of children in your class.
Project 6	**Multiplication Calculator** ***Microsoft Excel*** Make a multiplication calculator that counts groups of numbers. Use your calculator to play fun games.

Fourth Grade	
Project 1	**Note Taker** ***Microsoft PowerPoint*** Use electronic note cards created in PowerPoint to systematically record - then order - research notes.
Project 2	**E-Pals** ***Microsoft Word*** Use graphic design to make an introductory letter to an e-pal unique and personal.
Project 3	**Prove It** ***Microsoft Word*** Learn how to use a graphic organizer to prove your point!
Project 4	**Zoom In** ***Microsoft PowerPoint*** Design a closer look at the topic of your choice and share it with others.
Project 5	**Now You're in Business** ***Microsoft Excel*** Tammy has set up a pet-sitting business. As her apprentice, use Excel to create a spreadsheet that calculates monthly profit / loss, and a pie chart to show how expenses were allocated in the previous year.
Project 6	**Extend a Pattern** ***Microsoft Excel*** Build a model that extends a number pattern and helps solve math problems.

Fifth Grade	
Project 1	**Write an Interactive Story** ***Microsoft PowerPoint / Paint*** Use a writing prompt to create an interactive 'choose your own adventure' story.
Project 2	**Talk to a Topic** ***Microsoft PowerPoint*** You may be surprised about how much you can say in 60 seconds! One-minute speeches are a great way for you to express your thoughts and opinions on a topic.
Project 3	**Opinion Survey** ***Microsoft Excel*** Design and conduct a survey to find out what a particular group of people - a target group - thinks about an issue.
Project 4	**Build a Database** ***Microsoft Excel*** As you and your class research inventions, you will use a database to keep track of the information you collect.
Project 5	**Ray's Electricity Model** ***Microsoft Excel*** Use Ray's calculator to measure how much electricity he uses. Make your own model that shows electricity being used.
Project 6	**Problem Solving Table** ***Microsoft Word*** Create and use a table as a strategy to solve a problem.

Sixth Grade	
Project 1	**Poetry in Motion** ***Microsoft PowerPoint*** Learn to use multimedia to design a personal interpretation of a poem in PowerPoint.
Project 2	**Write a Research Report** ***Microsoft Word*** Find out how technology can help you to efficiently complete each stage in the research process.
Project 3	**Famous Person Plaque** ***Microsoft PowerPoint*** Use interesting fill effects, symbols and font effects to create an engraved plaque that commemorates a famous person.
Project 4	**Timeline Map** ***Microsoft PowerPoint*** Create a timeline in which individual entries are linked to map locations and elaborative information.
Project 5	**Investigate Paper Copters** ***Microsoft Excel*** Investigate paper helicopters by looking at the relationship between blade length and landing time.
Project 6	**How Does Fair Food Fare?** ***Microsoft Excel*** Analyze the calories and fat content of some of the most popular food items at a fair.

Seventh Grade	
Project 1	**Active Reading** ***Microsoft PowerPoint*** Read actively, using tools in Word to comment on the text, or to highlight specific structural or stylistic elements.
Project 2	**Fact and Fiction** ***Microsoft PowerPoint*** Why choose between fact or fiction? Research a topic and write a fictional story that includes factual information.
Project 3	**Dynamic Journeys** ***Microsoft PowerPoint*** Using PowerPoint's motion path animation, you will demonstrate a journey, a process, or a sequence.
Project 4	**Collaborative Database** ***Microsoft Excel*** Work with others to construct and use a database on igneous, sedimentary, and metamorphic rocks.
Project 5	**Vector Translations** ***Microsoft Excel*** Learn about vector (glide) translations. Graph the coordinates of the preimage and add a scalar to each coordinate to form the image.
Project 6	**Random Climb** ***Microsoft Excel*** Model the behavior of a 'random climber' who moves up and down a cliff face based on coin tosses and then dice throws. Use your model to explore probability.

Eighth Grade	
Project 1	**Digital Storytelling** ***Microsoft PowerPoint*** Create a digital story - a short 'movie' that combines photographs, video clips, music, and the author's voice into a short, personal documentary.
Project 2	**Outline Book Review** ***Microsoft Word*** Read online book reviews and then publish your own reviews.
Project 3	**From Issue to Action** ***Internet / Word / Excel*** What will you do to help solve an issue you care about?
Project 4	**Animate a Change Process** ***Microsoft Excel*** Use sequences of PowerPoint slides to show changes over time - e.g., the development of a town, a biological process.
Project 5	**Database Analysis** ***Microsoft Excel*** Work with your classmates to design, construct and use a database.
Project 6	**Linear Data Deductions** ***Microsoft Excel*** Is there a relationship between house size and price? See how mathematics can be used to find out how strongly two factors are related.