

TECHNOkids®

Technology Integration



Correlation Document

Correlation of technology projects by grade level to language arts, mathematics, social studies, geography, science, health, visual arts, business studies, and career studies learning objectives.

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TechnoKids Primary Microsoft Plus Technology Projects – Grades 1 - 2
Technology Integration

	TechnoBasics	TechnoColors	TechnoLetters	TechnoShapes	TechnoNumbers	TechnoPC	TechnoPainter	TechnoBook	TechnoCity	TechnoCop	TechnoAuthor	TechnoAnimal	TechnoCelebrate	TechnoFit
LANGUAGE ARTS														
Oral and Visual Communication														
allow others to speak, and wait their turn in conversations or class discussions	•	•	•	•	•	•	•	•	•	•	•	•	•	•
apply some of the rules of participating in a conversation and working with others	•	•	•	•	•	•	•	•	•	•	•	•	•	•
ask questions about their immediate environment and offer personal opinions	•	•	•	•	•	•	•	•	•	•	•	•	•	•
communicate a message using the computer as a tool	•	•	•	•	•	•	•	•	•	•	•	•	•	•
create simple media works using software applications	•	•	•	•	•	•	•	•	•	•	•	•	•	•
follow instructions and directions	•	•	•	•	•	•	•	•	•	•	•	•	•	•
listen and react to stories or information	•	•	•	•	•	•	•	•	•	•	•	•	•	•
use the conventions of oral language and of the various media that is appropriate to the grade level	•	•	•	•	•	•	•	•	•	•	•	•	•	•
view, read, and listen to media works to obtain information and to complete assigned tasks	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Reading														
express clear responses to written materials by relating ideas to personal knowledge and experience								•	•	•	•	•	•	•
identify ways in which different kinds of written materials are organized	•							•	•	•	•	•	•	•
read a variety of written materials for different purposes								•	•	•	•	•	•	•
understand the vocabulary and language structures appropriate for this grade level	•	•	•	•	•	•	•	•	•	•	•	•	•	•
use a variety of reading strategies to understand a piece of writing								•	•	•	•	•	•	•
use some conventions of written materials to help them understand what they read	•	•						•	•	•	•	•	•	•
use their knowledge and experience to understand what they read	•							•	•	•	•	•	•	•
Writing														
accurately type student name		•	•				•	•	•	•	•	•	•	•
communicate ideas through writing for a specific purpose			•				•	•	•	•	•	•	•	•
correctly spell words identified by the teacher							•	•	•	•	•	•	•	•
edit and revise pieces of writing								•	•	•	•	•	•	•
leave spaces between words using the spacebar on the keyboard	•	•	•				•	•	•	•	•	•	•	•
organize information so that the writing conveys a clear message								•	•	•	•	•	•	•
produce short pieces of writing using the computer								•	•	•	•	•	•	•
recognize letters of the alphabet			•		•									
locate letters of the alphabet on the keyboard			•		•									
identify the starting letter of names of objects			•											
use an electronic dictionary to confirm spelling											•	•	•	•
use and spell correctly the vocabulary appropriate for this grade level							•	•	•	•	•	•	•	•
use correctly the conventions (spelling, grammar, punctuation) appropriate for this grade level							•	•	•	•	•	•	•	•
use materials from other media such as clip art, word art, or digital pictures to enhance their writing			•					•	•	•	•	•	•	•
use text formatting such as font type, font size, and font style for emphasis			•					•	•	•	•	•	•	•
use words and pictures to create a message								•	•	•	•	•	•	•
write simple sentences								•	•	•	•	•	•	•
MATHEMATICS														
Number Sense and Numeration														
count a number of objects or actions					•									
recognize numbers from 1 to 10					•									
type numbers from 0 to 100										•		•		•
understand the concept of order by sequencing events					•			•				•		
Measurement														
demonstrate an understanding of and ability to apply measurement terms								•				•		
make an object larger or smaller by dragging sizing handles in a particular direction								•	•	•	•	•	•	•
Data Management and Probability														
compare, sort, and classify records according to specific attributes										•			•	
conduct an inquiry using appropriate methods										•			•	
pose questions about data gathered										•			•	
Geometry and Spatial Sense														
create two-dimensional shapes using graphic drawing tools				•		•	•			•		•		
describe an object in relation to another using positional language									•		•			
follow directions to move or place an object in relation to another object									•		•			•
identify two-dimensional shapes				•		•	•			•		•		
use two-dimensional shapes to construct a picture				•		•	•			•		•		
deduce the shape by analyzing clues about the number of corners and sides				•										
distinguish basic shapes in common objects				•										
SOCIAL STUDIES														
Relationships, Rules, and Responsibilities														
demonstrate an understanding of the need for rules and responsibilities	•					•				•				
describe the roles and responsibilities of various family and community members									•	•				
identify significant people, places, and events in their lives									•	•			•	
Traditions and Celebrations														
demonstrate that their country has many cultures														•
describe family history and traditions														•
explain how the various cultures in their country contribute to the local community														•
demonstrate an understanding that people's lifestyles may differ from country to country														•
The Local Community														
list the occupations of some people in the community										•				
identify the places in which people work and describe the technologies, tools, and vehicles, they use										•				

**TechnoKids Intermediate Microsoft Plus Technology Projects – Grades 6-8
Technology Integration**

	TechnoEditor	TechnoEntrepreneur	TechnoNovel	TechnoClue	TechnoEzine	TechnoInvestor	TechnoTravel	TechnoMission	TechnoEnvironment	TechnoBlog	TechnoCEO	TechnoFuture	TechnoCommercial	TechnoHTML
LANGUAGE ARTS														
Oral and Visual Communication														
analyze and assess media works and express a viewpoint about it	•	•	•	•	•	•	•	•	•	•	•	•	•	•
ask and answer questions to obtain and clarify information	•	•	•	•	•	•	•	•	•	•	•	•	•	•
communicate a main idea about a topic and describe a sequence of events	•	•	•	•	•	•	•	•	•	•	•	•	•	•
contribute and work constructively in groups						•				•				•
create media works (book trailer, brochure, report, magazine, book, web page, video)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
demonstrate the ability to identify main points and stay on topic	•	•	•	•	•	•	•	•	•	•	•	•	•	•
describe the function of different elements in magazines and newspapers					•	•								•
evaluate the effectiveness of various informational media works	•	•	•	•	•	•	•	•	•	•	•	•	•	•
express and respond to a range of ideas and opinions concisely, clearly, and appropriately	•	•	•	•	•	•	•	•	•	•	•	•	•	•
follow detailed instructions	•	•	•	•	•	•	•	•	•	•	•	•	•	•
make reports, describe, and explain a course of action			•			•			•	•				•
use explanations and instructions to plan and organize work	•	•	•		•	•	•	•	•	•	•	•	•	•
use resource materials to illustrate ideas in presentations			•			•								•
use the conventions of oral language that are appropriate to the grade level	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Media Awareness: Advertising														
identify and describe the different types of advertising encountered in their surroundings														•
identify the creator of a commercial														•
recognize the purpose of commercials														•
identify the target audience for a commercial and describe their attributes														•
recognize obvious and hidden messages in commercials														•
identify stereotypes in commercials														•
identify selling techniques used in commercials														•
identify various camera positions including types of shots, angles, and movement														•
produce a commercial that shares a message with a target audience														•
Reading														
decide on a specific purpose for reading and select material from appropriate sources	•	•	•		•	•	•	•	•	•	•	•	•	•
identify the elements of a story and explain how they relate to each other	•	•	•											•
identify a character's motivation			•											
plan a research project and carry out the research							•	•	•					•
read a variety of fiction and non-fiction materials for different purposes	•	•	•		•	•	•	•	•	•	•	•	•	•
read independently selecting appropriate reading strategies	•	•	•		•	•	•	•	•	•	•	•	•	•
summarize and explain the main ideas in information materials			•				•	•	•	•	•	•	•	•
understand specialized words or terms as necessary	•	•	•	•	•	•	•	•	•	•	•	•	•	•
understand the vocabulary and language structures appropriate for the grade level	•	•	•	•	•	•	•	•	•	•	•	•	•	•
use the conventions of written materials to help understand and use the materials	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Writing														
communicate ideas and information for a variety of purposes and to specific audiences	•	•	•	•	•	•	•	•	•	•	•	•	•	•
discuss an insight gained from a personal experience										•				
express an opinion clearly, honestly, and respectfully										•				
generate ideas using word association										•				
integrate media materials (clip art, digital images) into their writing	•	•	•	•	•	•	•	•	•	•	•	•	•	•
organize story ideas using headings, subheadings, and/or graphic organizers										•				•
produce media text using writing and materials from other media	•	•	•	•	•	•	•	•	•	•	•	•	•	•
produce pieces of writing using a variety of forms, techniques, and resources	•	•	•	•	•	•	•	•	•	•	•	•	•	•
proofread and correct final drafts				•	•	•	•	•	•	•	•	•	•	•
recommend advice in the form of how-to instructions, tips, or suggestions										•				
revise writing and stylistic elements using a checklist as a guide	•	•	•	•	•	•	•	•	•	•	•	•	•	•
use a variety of sentence types and structures appropriate for their purpose	•	•	•	•	•	•	•	•	•	•	•	•	•	•
use and spell correctly the vocabulary appropriate for this grade level	•	•	•	•	•	•	•	•	•	•	•	•	•	•
use correctly the conventions (spelling, grammar, punctuation) for this grade level	•	•	•	•	•	•	•	•	•	•	•	•	•	•
use different styles of type appropriately for specific purposes	•	•	•	•	•	•	•	•	•	•	•	•	•	•
use spreadsheets appropriately to convey specific types of information in graphs or tables		•				•					•	•		
use the first person narrative style to make a connection with the audience										•				
use the second person narrative style to write a story												•		
use writing for various purposes and in a range of contexts	•	•	•	•	•	•	•	•	•	•	•	•	•	•
write content that is valuable and interesting to readers										•		•		
MATHEMATICS														
Number Sense and Numeration														
add, subtract, and multiply whole numbers and decimals		•				•					•			
explain numerical information and respond to numerical information in media		•				•					•			
identify the use of numbers in various careers		•				•					•			
pose number problems and solve using appropriate calculations		•				•					•			
read and type whole numbers and decimals		•				•					•			
select operations and write the formula for the calculation		•				•					•			
understand the significance of numbers in the world and evaluate their use in media		•				•					•			

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Technology Integration

	TechnoEditor	TechnoEntrepreneur	TechnoNovel	TechnoClue	TechnoEzine	TechnoInvestor	TechnoTravel	TechnoMission	TechnoEnvironment	TechnoBlog	TechnoCEO	TechnoFuture	TechnoCommercial	TechnoHTML
Measurement														
read and write money values		•				•					•			
estimate and count amounts of money						•								
Data Management and Probability														
construct graphic organizers using computer applications		•				•		•			•	•		
evaluate data and make conclusions from the analysis of data		•		•		•		•			•	•		
design surveys, organize the data, and record the information into a spreadsheet		•												
experiment with a variety of displays of the same data and select a suitable graph						•								
identify and describe trends in graphs using informal language to identify growth		•				•					•	•		
interpret displays of data and present the information using mathematical terms		•				•					•	•		
make inferences and convincing arguments based on analysis of tables, charts, graphs		•		•		•					•	•		
manipulate and present data using spreadsheets and use the data to solve problems		•				•					•	•		
organize data into self selected categories and ranges		•				•		•			•	•		
recognize that different types of graphs can present the same data differently		•				•					•	•		
record data on spreadsheets		•				•					•	•		
search databases for information and interpret the information				•				•						
systematically collect, organize, and analyze data		•		•		•		•	•		•			
use conventional symbols, titles, and labels when displaying data		•				•		•			•			
GEOGRAPHY														
produce a map for a variety of purposes							•							
formulate questions to guide the research of a topic concerning a geographic location							•							
locate relevant information from a variety of electronic sources							•		•					
analyze the information							•		•					
communicate the results of the inquiry for the purpose of producing a travel brochure							•							
SCIENCE														
Space														
describe technological and scientific advances that enable humans to study space								•						
describe past and present space missions and their contribution to space exploration								•						
research space-related topics such as missions, astronauts, technology, planets								•						
use appropriate science and technology terminology (constellations, planets, comets)								•						
organize space-related data into a database								•						
identify people who have contributed to space science and technology								•						
Environment														
understand the concepts of stewardship and sustainability									•					
investigate an environmental issue									•					
assess the impact of human activities and technologies on the environment									•					
describe ways in which human activities and technologies alter balances in the environment									•					
analyze the benefits and disadvantages of selected strategies for protecting the environment									•					
Futurism														
analyze personal qualities to determine suitability to become a futurist												•		
identify how technology can change routines in daily life												•		
reflect on how daily life can be improved by emerging technologies												•		
understand the role of a futurist												•		
THE ARTS														
Music														
select an accompaniment for a story, poem, advertisement, or presentation			•								•		•	
Visual Arts														
apply graphic tools to create art work using the computer		•	•	•										
identify the most appropriate graphic tools and use them correctly		•	•	•	•	•					•	•	•	
apply the creative process to produce two-dimensional art works to communicate ideas		•	•	•				•				•		
digitally edit photos or video to manipulate the image			•					•						

TechnoKids Intermediate Microsoft Plus Technology Projects – Grades 9-12
Technology Integration

	TechnoAdvertise	TechnoSpecialist	TechnoPlanner	TechnoWonderland	TechnoFlash	TechnoPhotoshop
LANGUAGE ARTS						
Oral and Visual Communication						
analyze and assess media works and express a viewpoint about it			•	•	•	
ask and answer questions to obtain and clarify information		•	•	•	•	•
create media works (book trailer, brochure, report, magazine, book, web page, video)	•	•	•	•	•	•
demonstrate the ability to identify main points and stay on topic		•		•		
evaluate the effectiveness of various informational media works			•	•		•
follow detailed instructions	•	•	•	•	•	•
make reports, describe and explain a course of action			•	•		
use explanations and instructions to plan and organize work		•		•		•
use resource materials to illustrate ideas in presentations				•		•
use the conventions of oral language that are appropriate to the grade level	•	•	•	•	•	•
Reading						
decide on a specific purpose for reading and select material from appropriate sources				•		
identify the most important ideas and supporting details, including complex and challenging texts		•		•		
use appropriate reading comprehension strategies to understand texts		•		•		•
plan a research project and carry out the research				•		
read a variety of fiction and non-fiction materials for different purposes				•		
summarize and explain the main ideas in information materials		•		•		
understand specialized words or terms as necessary	•	•	•	•	•	•
understand the vocabulary and language structures appropriate for the grade level	•	•	•	•	•	•
use the conventions of written materials to help understand and use the materials	•	•	•	•	•	•
Writing						
generate, gather, and organize ideas and information to write for an intended purpose and audience	•	•	•	•		
communicate ideas and information for a variety of purposes and to specific audiences	•	•	•	•		
use appropriate descriptive and evocative words, phrases, and expressions to make writing clear and vivid	•	•		•	•	
integrate media materials (clip art, digital images) into their writing	•	•		•	•	
produce media texts for a variety of purposes and audiences, using appropriate conventions and techniques	•	•	•	•	•	
produce pieces of writing using a variety of forms, techniques, and resources	•	•		•		
use editing, proofreading, and publishing skills to correct errors and refine expression	•	•	•	•		
use a variety of sentence types and structures appropriate for their purpose	•	•		•		
use different presentation features, including fonts, graphics, and layout to improve clarity and coherence	•	•		•		
use correctly the conventions (spelling, grammar, punctuation) for this grade level	•	•	•	•	•	•
use different styles of type appropriately for specific purposes	•	•		•		
use spreadsheets appropriately to convey specific types of information in graphs or tables				•		
use writing for various purposes and in a range of contexts	•	•		•		
produce pieces of published work to meet criteria identified by the teacher, based on curriculum expectations	•	•	•	•		
MATHEMATICS						
Number Sense and Numeration						
explain numerical information and respond to numerical information in media				•		
identify the use of numbers in various careers			•	•		
pose number problems and solve using appropriate calculations				•		
read and type whole numbers and decimals				•		
select operations and write the formula for the calculation				•		
understand the significance of numbers in the world and evaluate their use in media				•		
make connections among mathematical procedures and relate them to situations in other contexts				•		
develop and apply reasoning skills to make and assess mathematical conjectures and justify conclusions				•		
develop, select, apply, and compare a variety of problem-solving strategies as they conduct investigations				•		
Measurement						
read and write money values				•		
estimate and count amounts of money				•		
solve problems involving financial values				•		

TechnoKids Intermediate Microsoft Plus Technology Projects – Grades 9-12
Technology Integration

	TechnoAdvertise	TechnoSpecialist	TechnoPlanner	TechnoWonderland	TechnoFlash	TechnoPhotoshop
Data Management and Probability						
construct graphic organizers using computer applications				•		
evaluate data and make conclusions from the analysis of data				•		
design surveys, organize the data, and record the information into a spreadsheet			•	•		
experiment with a variety of displays of the same data and select a suitable graph				•		
identify and describe trends in graphs using informal language to identify growth						
interpret displays of data and present the information using mathematical terms				•		
make inferences and convincing arguments based on analysis of tables, charts, graphs			•	•		
manipulate and present data using spreadsheets and use the data to solve problems				•		
organize data into self selected categories and ranges			•			
recognize that different types of graphs can present the same data differently						
record data on spreadsheets				•		
search databases for information and interpret the information			•	•		
systematically collect, organize, and analyze data			•	•		
use conventional symbols, titles, and labels when displaying data						
apply data-management techniques to investigate relationships between two variables						
COMPUTER STUDIES						
Understanding Computers						
describe the functions of different types of hardware components		•				
use the basic functions of an operating system correctly	•	•	•	•	•	•
use correct terminology to describe computer hardware		•				
describe the functions of the internal components of a computer		•				
describe the functions of common computer peripheral devices		•				
explain the importance of data storage and how to back up and archive user files		•				
assess user computing needs and select appropriate hardware components for different situations		•				
Computers and Society						
use various problem-solving strategies when solving different types of problems	•		•	•	•	
identify essential computer skills that are important for success	•					
Digital Literacy						
demonstrate an understanding of the terminology associated with information and communication technology	•	•	•		•	
manage electronic files and folders	•	•	•	•	•	
demonstrate efficient use of a computer workstation (e.g., proper keyboarding technique)	•	•	•	•	•	
identify ways to connect to the Internet	•			•		
use the features of a web browser (e.g., favorites, history, refresh, print preview) to facilitate research	•			•		
use the features (e.g., advanced search, image search) of a variety of search engines to locate information	•			•		
BUSINESS STUDIES						
demonstrate an understanding of how businesses respond to needs, wants, supply, and demand		•	•	•		
understand how businesses address consumer needs and wants	•	•	•	•		
demonstrate an understanding of the importance and role of marketing in business	•	•		•		
describe the role of management in business				•		
describe the characteristics and skills often associated with successful entrepreneurs				•		
identify key employability skills	•					
demonstrate an understanding of income and spending issues facing individuals and businesses						
design an advertisement appropriate for a specific good, service, or event	•	•		•		
CAREER STUDIES						
summarize personal characteristics, strengths, interests, skills, and competencies to determine career goals	•		•			
produce effective, up-to-date resumes and cover letters for a targeted occupation using word processing software	•					
THE ARTS						
Music						
select an accompaniment for a story, poem, advertisement, or presentation					•	
Visual Arts						
apply graphic tools to create art work using the computer	•	•		•	•	•
identify the most appropriate graphic tools and use them correctly	•	•		•	•	•
apply the creative process to produce two-dimensional art works to communicate ideas	•			•	•	•
Media Arts						
design and produce original media art works on a specific theme	•	•		•	•	•
use appropriate technologies, tools, and techniques to create media art works for a variety of audiences	•	•		•	•	•