

# 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.*

[www.technokids.com.my](http://www.technokids.com.my)

Tel: 03-3343 3128

Copyright 1993-2015 TechnoKids Inc.

All Rights Reserved

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
<b>LANGUAGE ARTS</b>														
<b>Oral and Visual Communication</b>														
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	•	•	•	•	•	•	•	•	•	•	•	•	•	•
<b>Reading</b>														
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	•							•	•	•	•	•	•	•
<b>Writing</b>														
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								•	•	•	•	•	•	•
<b>MATHEMATICS</b>														
<b>Number Sense and Numeration</b>														
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					•			•				•		
<b>Measurement</b>														
demonstrate an understanding of and ability to apply measurement terms								•				•		
make an object larger or smaller by dragging sizing handles in a particular direction								•	•	•	•	•	•	•
<b>Data Management and Probability</b>														
compare, sort, and classify records according to specific attributes										•			•	
conduct an inquiry using appropriate methods										•			•	
pose questions about data gathered										•			•	
<b>Geometry and Spatial Sense</b>														
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			•											
<b>SOCIAL STUDIES</b>														
<b>Relationships, Rules, and Responsibilities</b>														
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									•	•			•	
<b>Traditions and Celebrations</b>														
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														•
<b>The Local Community</b>														
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
<b>LANGUAGE ARTS</b>														
<b>Oral and Visual Communication</b>														
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	•	•	•	•	•	•	•	•	•	•	•	•	•	•
<b>Media Awareness: Advertising</b>														
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														•
<b>Reading</b>														
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	•	•	•	•	•	•	•	•	•	•	•	•	•	•
<b>Writing</b>														
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										•		•		
<b>MATHEMATICS</b>														
<b>Number Sense and Numeration</b>														
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		•				•					•			

**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
<b>Measurement</b>														
read and write money values		•				•					•			
estimate and count amounts of money						•								
<b>Data Management and Probability</b>														
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		•				•		•			•			
<b>GEOGRAPHY</b>														
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							•							
<b>SCIENCE</b>														
<b>Space</b>														
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								•						
<b>Environment</b>														
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								•						
<b>Futurism</b>														
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												•		
<b>THE ARTS</b>														
<b>Music</b>														
select an accompaniment for a story, poem, advertisement, or presentation			•								•		•	
<b>Visual Arts</b>														
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
<b>LANGUAGE ARTS</b>						
<b>Oral and Visual Communication</b>						
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	•	•	•	•	•	•
<b>Reading</b>						
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	•	•	•	•	•	•
<b>Writing</b>						
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	•	•	•	•		
<b>MATHEMATICS</b>						
<b>Number Sense and Numeration</b>						
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				•		
<b>Measurement</b>						
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
<b>Data Management and Probability</b>						
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						
<b>COMPUTER STUDIES</b>						
<b>Understanding Computers</b>						
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		•				
<b>Computers and Society</b>						
use various problem-solving strategies when solving different types of problems	•		•	•	•	
identify essential computer skills that are important for success	•					
<b>Digital Literacy</b>						
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	•			•		
<b>BUSINESS STUDIES</b>						
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	•	•		•		
<b>CAREER STUDIES</b>						
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	•					
<b>THE ARTS</b>						
<b>Music</b>						
select an accompaniment for a story, poem, advertisement, or presentation					•	
<b>Visual Arts</b>						
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	•			•	•	•
<b>Media Arts</b>						
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	•	•		•	•	•