TECHNOKICS® Technology Integration



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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	FechnoBasics	TechnoColors	TechnoLetters	[echnoShapes	ш	J	FechnoPainter	900	ΪΞ	do	FechnoAuthor	FechnoAnimal	elet	اي
	noB	Jou	noLe	noSi	Non	noP	noP	no B.	noC	Jou	hon	noA	noC	noFi
	echi	echi	echı	echı	echı	FechnoPC	echi	TechnoBook	TechnoCity	TechnoCop	echi	echi	echi	TechnoFit
LANGUAGE ARTS	Ĕ	Ĕ	F	Ĕ	ŕ	Ĕ	F	ř	É	ŕ	É	F	F I	ř.
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	•	•	•	٠	•	•	•	•	•	•	•	•	•	•
follow instructions and directions	•	•	•	٠	•	•	•	•	•	٠	•	•	•	•
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	•	•	•	•	•	٠	٠	•	•	٠	•	•	_	•
view, read, and listen to media works to obtain information and to complete assigned tasks	•	•	٠	٠	•	•	•	•	•	٠	•	•	•	•
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	Ť	Ť	Ť	Ť		_	_	•	•	•	•	•	_	•
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		•	•		٠	•	•	•	•	•	•	•	•	•
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	•	•	•		•	•	•	•	•	٠	•	•	_	•
organize information so that the writing conveys a clear message						•		•	•	•	•	•	_	•
produce short pieces of writing using the computer						•		•	•	٠	•	•	•	•
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						•		•	•	•	•	•	_	•
			•			Ť		•	•	•	•	•		•
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			•			•	•	_	_	_	_	•		•
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Technology Integration													a)	$\overline{}$
	TechnoBasics	TechnoColors	TechnoLetters	TechnoShapes	TechnoNumbers	TechnoPC	TechnoPainter	TechnoBook	TechnoCity	TechnoCop	TechnoAuthor	TechnoAnimal	TechnoCelebrate)Fit
	chne	chne	chnc	chnc	hnc	chne	chne	chnc	chne	chne	chne	chnc	chnc	TechnoFit
	Te	Te	Te	Te	Te	Te	Te	Te	Те	Те	Te	Te	Te	Ĭ.
SCIENCE														
Growth and Changes in Animals														
demonstrate an understanding of the similarities and differences among various types of animals												•		لــــا
explain animal adaptations to different environmental conditions (camouflage)												•		ш
describe animals behaviors and relate this to survival such as migration or hibernation												•		
classify animals using observable characteristics												•		
describe changes in the appearance of an animals as it goes through a complete life cycle (frog, butterfly)												•		
investigate the appearance, diet, habitat, young, and threats of animals												•		
Daily and Seasonal Cycles														
identify activities that are based on the seasons									•					
identify characteristics of clothing worn in different seasons									•					
describe ways in which humans modify their behavior to adapt to changes in temperature									•					
identify weather patterns and time of day based on the color of the sky HEALTH		•												
identify safety rules to be followed	•					•				•				
recognize safety risks and safe practices	•					•				•				
describe the importance of food and exercise to the human body										Ē				•
classify food into food groups														•
apply decision-making skills to create a menu for a healthy meal														•
identify ways to promote a healthy lifestyle														•
THE ARTS														
Visual Arts														
apply problem solving strategies when experimenting with digital art tools	•	•	•	•			•							\Box
communicate ideas using visual art forms	•	•	•	•			•							
demonstrate a sense of accomplishment in visual arts	•	•	•	•			•							
demonstrate an awareness of themselves as artists	•	•	•	•			•							$\overline{}$
explore design elements including color, line, or texture in visual arts		•		•			•							
use a variety of tools to respond to design challenges	•	•		•			•							$\overline{}$
use their imagination to create a digital painting	•	•		•			•							
describe different kinds of lines			•	•		•				•				
describe using appropriate vocabulary how artist use the elements of design to create a special effect														•
identify and use a variety of graphic art tools	•	•	•	•		•				٠		•	•	•
produce two dimensional works of art that communicate ideas for specific purposes	•	•	•	•		•	•			•		•	•	•
use correctly vocabulary and art terminology						•	•							•
use the elements of design in ways appropriate for this grade		•		•		•	•							•
identify color and shades of color		•												П
sort objects by color		•												П
identify the feelings that colors convey		•												
select items that are the same color		•												П
explain how line can be used to make shapes, draw objects, add detail, show emotion, and tell a story				•										
Music														
view sound in visual form		•												. –

TechnoKids Junior Microsoft Plus Technology Projects – Grades 3-5 Technology Integration

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		ey			+		a)		sbc		в	m,
	et	TechnoJourney		2	TechnoReport	es	TechnoMovie	TechnoQuest	rre	~	TechnoDrama	TechnoMummy
	Ро	Jor	Biz	Fe	Re	Sal	Mc	Qu	CO	Ë	Dr	Ž
	out	out	out	out	ou.	out	out	out	out	out	out	OL.
	TechnoPoet	ech	TechnoBiz	TechnoHero	ect	TechnoSales	ech	ech	ect	TechnoLink	ect	ect
ANALYS APTS		_	_	_	_	_	_	_	_	-	\vdash	_
LANGUAGE ARTS												
Oral and Visual Communication											\square	
apply rules for working with others	•	•	•	•	•	•	•	•	•	•	•	•
ask and answer questions on a variety of topics to acquire and clarify information	•	•	•	•	•	•	•	•	•	•	•	•
communicate ideas and information for specific purposes and to specific audiences	•	•	•	•	•	•	•	•	•	•	•	•
listen to discussions and ask questions to clarify meaning	•	•	•	•	•	•	•	•	•	•	•	•
speak about topics and issues in classroom discussions using specialized language	•	•	•	•	•	•	•	•	•	•	•	•
use basic terminology to discuss visual images in electronic media	•	•	•	•	•	•	•	•	•	•	•	•
use visual materials from other media such as clip art or Word Art to enhance writing	•		•	•	•	•	•	•	•	•		•
use the conventions of oral language and of media that are appropriate to the grade	•	•	•	•	•	•	•	•	•	•	•	•
view, read, and listen to media works and talk about what they have learned	•	•	•	•	•	•	•	•	•	•	•	•
Reading												
decide on a purpose for reading and select the material from a appropriate sources	•	•	•	•	•	•	•	•	•	•	•	•
develop research skills to locate information using electronic sources	Ť	•	-	•	•	_	_	•	•	•	1	•
read a variety of fiction and non-fiction materials for different purposes	•	•	•	•	•	•	•	•	•	•	•	•
,	_		_		-					_	- 	
express responses to written materials relating ideas to knowledge and experience	•	•	•	•	•	•	•	•	•	•	\vdash	•
read independently using various reading strategies	•	•	•	•	•	•	•	•	•	•	•	•
select material that they need from a variety of sources		•		•	•	•		•	•	•	•	•
understand specialized terms in different subject areas	•	•	•	•	•	•	•	•	•	•	•	•
understand the vocabulary and language structures appropriate for this grade level	•	•	•	•	•	•	•	•	•	•	•	•
use conventions of written materials to help understand and use the materials	•	•	•	•	•	•	•	•	•	•	•	•
Writing												
accurately use graphs and captions			•		•	•			•			
accurately use titles and subheadings as organizers			•	•	•	•		•	•	•	•	
communicate ideas and information for specific purpose to specific audiences	•	•	•		•	•					•	
correctly use conventions of writing (grammar, spelling, punctuation)	•	•	•	•	•	•	•	•	•	•	•	•
organize information into short paragraphs that contain a main idea and related details			•		•	•			•	•		
produce pieces of writing using a variety of forms including reports, poetry, letters	•	•	•	•	•	•	•	•	•	•	•	•
proofread and correct their final drafts	•				•	•		•	•	•	•	
use an electronic dictionary to confirm spelling	•				•	•		•	•	•		
use an electronic thesaurus to expand vocabulary	•				•							
use materials from other media (clip art, word art, or digital images) to enhance writing	•		•	•	•	•			•	•	•	•
write materials that express a point of view and/or reflect on their own experiences	•	•	•	•	•	•				•	•	•
MATHEMATICS												
Number Sense and Numeration												
Number Sense and Numeration add and subtract money amounts and represent the answer in decimal notation						•						
add and subtract money amounts and represent the answer in decimal notation			•			•						
add and subtract money amounts and represent the answer in decimal notation pose and solve number problems			•									
add and subtract money amounts and represent the answer in decimal notation pose and solve number problems identify the use of number in various careers			•			•						
add and subtract money amounts and represent the answer in decimal notation pose and solve number problems identify the use of number in various careers understand and explain basic operations: addition, subtraction, and multiplication			•			•						
add and subtract money amounts and represent the answer in decimal notation pose and solve number problems identify the use of number in various careers understand and explain basic operations: addition, subtraction, and multiplication use the appropriate formula to solve number problems			•			•						
add and subtract money amounts and represent the answer in decimal notation pose and solve number problems identify the use of number in various careers understand and explain basic operations: addition, subtraction, and multiplication use the appropriate formula to solve number problems Measurement						•						
add and subtract money amounts and represent the answer in decimal notation pose and solve number problems identify the use of number in various careers understand and explain basic operations: addition, subtraction, and multiplication use the appropriate formula to solve number problems Measurement estimate the amount of an item and count to determine the accuracy of the prediction			•			•						
add and subtract money amounts and represent the answer in decimal notation pose and solve number problems identify the use of number in various careers understand and explain basic operations: addition, subtraction, and multiplication use the appropriate formula to solve number problems Measurement estimate the amount of an item and count to determine the accuracy of the prediction Data Management and Probability			•			•						
add and subtract money amounts and represent the answer in decimal notation pose and solve number problems identify the use of number in various careers understand and explain basic operations: addition, subtraction, and multiplication use the appropriate formula to solve number problems Measurement estimate the amount of an item and count to determine the accuracy of the prediction Data Management and Probability apply the concept of likelihood to events in solving simple problems			•			•						
add and subtract money amounts and represent the answer in decimal notation pose and solve number problems identify the use of number in various careers understand and explain basic operations: addition, subtraction, and multiplication use the appropriate formula to solve number problems Measurement estimate the amount of an item and count to determine the accuracy of the prediction Data Management and Probability apply the concept of likelihood to events in solving simple problems collect and organize data using a spreadsheet, database form, or graphic organizer			•	•		•						•
add and subtract money amounts and represent the answer in decimal notation pose and solve number problems identify the use of number in various careers understand and explain basic operations: addition, subtraction, and multiplication use the appropriate formula to solve number problems Measurement estimate the amount of an item and count to determine the accuracy of the prediction Data Management and Probability apply the concept of likelihood to events in solving simple problems collect and organize data using a spreadsheet, database form, or graphic organizer compare experimental results with predicted results			•	•		•						•
add and subtract money amounts and represent the answer in decimal notation pose and solve number problems identify the use of number in various careers understand and explain basic operations: addition, subtraction, and multiplication use the appropriate formula to solve number problems Measurement estimate the amount of an item and count to determine the accuracy of the prediction Data Management and Probability apply the concept of likelihood to events in solving simple problems collect and organize data using a spreadsheet, database form, or graphic organizer compare experimental results with predicted results conduct simple probability experiments and predict the results			•	•		•						•
add and subtract money amounts and represent the answer in decimal notation pose and solve number problems identify the use of number in various careers understand and explain basic operations: addition, subtraction, and multiplication use the appropriate formula to solve number problems Measurement estimate the amount of an item and count to determine the accuracy of the prediction Data Management and Probability apply the concept of likelihood to events in solving simple problems collect and organize data using a spreadsheet, database form, or graphic organizer compare experimental results with predicted results conduct simple probability experiments and predict the results conduct surveys and record data on tally charts or spreadsheets			•	•		•						•
add and subtract money amounts and represent the answer in decimal notation pose and solve number problems identify the use of number in various careers understand and explain basic operations: addition, subtraction, and multiplication use the appropriate formula to solve number problems Measurement estimate the amount of an item and count to determine the accuracy of the prediction Data Management and Probability apply the concept of likelihood to events in solving simple problems collect and organize data using a spreadsheet, database form, or graphic organizer compare experimental results with predicted results conduct simple probability experiments and predict the results conduct surveys and record data on tally charts or spreadsheets construct labeled graphs using computer applications			•	•		•						•
add and subtract money amounts and represent the answer in decimal notation pose and solve number problems identify the use of number in various careers understand and explain basic operations: addition, subtraction, and multiplication use the appropriate formula to solve number problems Measurement estimate the amount of an item and count to determine the accuracy of the prediction Data Management and Probability apply the concept of likelihood to events in solving simple problems collect and organize data using a spreadsheet, database form, or graphic organizer compare experimental results with predicted results conduct simple probability experiments and predict the results conduct surveys and record data on tally charts or spreadsheets construct labeled graphs using computer applications explain how data were collected and describe the results of the survey			•	•		•						
add and subtract money amounts and represent the answer in decimal notation pose and solve number problems identify the use of number in various careers understand and explain basic operations: addition, subtraction, and multiplication use the appropriate formula to solve number problems Measurement estimate the amount of an item and count to determine the accuracy of the prediction Data Management and Probability apply the concept of likelihood to events in solving simple problems collect and organize data using a spreadsheet, database form, or graphic organizer compare experimental results with predicted results conduct simple probability experiments and predict the results conduct surveys and record data on tally charts or spreadsheets construct labeled graphs using computer applications explain how data were collected and describe the results of the survey identify examples of the use of data in the world			•	•		•						•
add and subtract money amounts and represent the answer in decimal notation pose and solve number problems identify the use of number in various careers understand and explain basic operations: addition, subtraction, and multiplication use the appropriate formula to solve number problems Measurement estimate the amount of an item and count to determine the accuracy of the prediction Data Management and Probability apply the concept of likelihood to events in solving simple problems collect and organize data using a spreadsheet, database form, or graphic organizer compare experimental results with predicted results conduct simple probability experiments and predict the results conduct surveys and record data on tally charts or spreadsheets construct labeled graphs using computer applications explain how data were collected and describe the results of the survey identify examples of the use of data in the world interpret and evaluate displays of data and discuss the information			•	•		•						
add and subtract money amounts and represent the answer in decimal notation pose and solve number problems identify the use of number in various careers understand and explain basic operations: addition, subtraction, and multiplication use the appropriate formula to solve number problems Measurement estimate the amount of an item and count to determine the accuracy of the prediction Data Management and Probability apply the concept of likelihood to events in solving simple problems collect and organize data using a spreadsheet, database form, or graphic organizer compare experimental results with predicted results conduct simple probability experiments and predict the results conduct surveys and record data on tally charts or spreadsheets construct labeled graphs using computer applications explain how data were collected and describe the results of the survey identify examples of the use of data in the world interpret and evaluate displays of data and discuss the information recognize the purposes of different parts of a graph: title, labels, and axes			•	•		•						•
add and subtract money amounts and represent the answer in decimal notation pose and solve number problems identify the use of number in various careers understand and explain basic operations: addition, subtraction, and multiplication use the appropriate formula to solve number problems Measurement estimate the amount of an item and count to determine the accuracy of the prediction Data Management and Probability apply the concept of likelihood to events in solving simple problems collect and organize data using a spreadsheet, database form, or graphic organizer compare experimental results with predicted results conduct simple probability experiments and predict the results conduct surveys and record data on tally charts or spreadsheets construct labeled graphs using computer applications explain how data were collected and describe the results of the survey identify examples of the use of data in the world interpret and evaluate displays of data and discuss the information recognize the purposes of different parts of a graph: title, labels, and axes sort or filter data using various attributes			•	•		•						•
add and subtract money amounts and represent the answer in decimal notation pose and solve number problems identify the use of number in various careers understand and explain basic operations: addition, subtraction, and multiplication use the appropriate formula to solve number problems Measurement estimate the amount of an item and count to determine the accuracy of the prediction Data Management and Probability apply the concept of likelihood to events in solving simple problems collect and organize data using a spreadsheet, database form, or graphic organizer compare experimental results with predicted results conduct simple probability experiments and predict the results conduct surveys and record data on tally charts or spreadsheets construct labeled graphs using computer applications explain how data were collected and describe the results of the survey identify examples of the use of data in the world interpret and evaluate displays of data and discuss the information recognize the purposes of different parts of a graph: title, labels, and axes			•	•		•						•

TechnoKids Junior Microsoft Plus Technology Projects – Grades 3-5

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	TechnoPoet	TechnoJourney	TechnoBiz	TechnoHero	TechnoReport	TechnoSales	TechnoMovie	TechnoQuest	TechnoCorrespondent	TechnoLink	TechnoDrama	TechnoMummy
	Тес	Тес	Тес	Tec	Tec	Tec	Tec	Tec	Тес	Tec	Tec	Tec
SOCIAL STUDIES												
Medieval Times												
communicate information about medieval society in the form of an interactive quiz								•				\Box
describe the various roles of people in medieval society								•				
locate relevant information from electronic sources and cite the source								•				
pose questions about medieval society and research to gain information								•				
use medieval symbols and mythological creates to create a shield or coat of arms								•				
Early Civilizations								_				
communicate information about early civilizations in written form									•			•
demonstrate an understanding of how Egyptian values and beliefs influenced daily life									•		\neg	•
demonstrate an understanding of the class structures of Egyptians											\neg	•
demonstrate an understanding of the class structures of Egyptians demonstrate an understanding of interrelationships between people and environment											-	
formulate questions to serve as a guide to gather information about early civilizations									•			•
identify design and technology in early civilizations (jewelry, irrigation, tools, buildings)									•			•
identify some of the scientific and technological achievements of early civilizations									•			
Significant Person												
communicate information about the person in a multimedia report				•								
compare and contrast the person's life with student's life				•								\Box
describe the influence of a person to an area, society, or historical period				•								\Box
formulate questions to serve as a guide to gather information about the person				•								
identify the contributions of a significant person				•								
use graphic organizers such as tables and flowcharts to display information				•								
SCIENCE												
Habitats and Communities												
classify animals as omnivores, herbivores, or carnivores					•							
construct food chains that includes plants and animals					•							
demonstrate an understanding of animal habitats					•							-
describe ways in which humans are dependent on plants and animals					•							
describe ways in which humans can change habitats and the effects on animals					•							
formulate questions an answer them to identify the needs of animals in a habitat					•							
identify threats that affect animals and their habitats					•							
investigate the dependency of animals on their habitats					•							
produce a report about an endangered specie					•							
recognize that animals and plants live in specific habitats					•							<u> </u>
use appropriate vocabulary including correct science and technology terminology					•							<u> </u>
HEALTH					·							
explain and follow relevant safety procedures when using the Internet		•		•	•			•	•	•		•
THE ARTS												
Music												
create or arrange music or sound to accompany a presentation							•	•			•	
demonstrate an understanding of a variety of musical genres and styles		•						_				
Visual Arts												
apply graphic tools to create art work using the computer							•	•	•			•
create artwork similar to a particular style									·			•
describe art work from different styles and historical periods											\neg	•
describe how artists use the elements of design in their artwork								•			\neg	
digitally edit photos or video to manipulate the limage							•		•		•	\vdash
explain the specific choices made in the production of their art work									-			•
englant are specific choices made in the production of their dit. Work	1											<u> </u>

Technology Integration		Ι.										\equiv		-1
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		[echnoEntrepreneur				'n		_	TechnoEnvironment				TechnoCommercial	
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	-ect	-ect	FechnoNovel	rechnoClue	FechnoEzine	Technolnvestor	FechnoTravel	TechnoMission	ect	TechnoBlog	TechnoCEO	TechnoFuture	ect	[echnoHTM]
LANGUAGE ARTS	_	_	_	I	_	_	Ī	_	_		_	_		_
Oral and Visual Communication														
analyze and assess media works and express a viewpoint about it	•	•	•		•	•	•	•		•	•	•	•	•
ask and answer questions to obtain and clarify information	•	•	•	•	•	•	•	Ť		•	•	•	-	-
communicate a main idea about a topic and describe a sequence of events	•	Ť	•	•	•	•	•	Ť		•	•	•	•	÷
contribute and work constructively in groups	Ť		Ť	_		•	Ť			•		Ť	•	-
create media works (book trailer, brochure, report, magazine, book, web page, video)	•	•	•	•	•	•	•	•	•	•	•	•	•	_
demonstrate the ability to identify main points and stay on topic	•	•	•	•	•	•	•	•	Ť	•	•	•	•	•
describe the function of different elements in magazines and newspapers	Ť	Ť	•	•	•	•	•	Ť		Ť	•	-	•	÷
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	Ť	Ť	Ť	•	Ť	•	Ť	•	•	•	•	•	Ť	Ť
use explanations and instructions to plan and organize work	•	•	•	Ť	•	•	•	•	•	•	•	•	•	•
use resource materials to illustrate ideas in presentations	Ė	-	•		-		•				•	•	•	
use the conventions of oral language that are appropriate to the grade level	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Media Awareness: Advertising	Ė	Ė	Ė						Ė					
identify and describe the different types of advertising encountered in their surroundings													•	
identify the creator of a commercial												寸	•	\neg
recognize the purpose of commercials												\dashv	•	\dashv
identify the target audience for a commercial and describe their attributes												寸	•	\neg
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	•	•	•		•	•	•	٠	•	•	•	•	•	•
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	•	•	•	•	•	•	•	•	•	٠	•	•	•	•
use the conventions of written materials to help understand and use the materials	٠	٠	٠	•	•	٠	•	٠	٠	٠	•	•	٠	•
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 wordassociation										÷		-+	-1	
integrate media materials (clip art, digital images) into their writing	•	•	•	•	•	•	•	•	•	•	•	•	•	•
organize story ideas using headings, subheadings, and/or graphic organizers	Ť	Ť	Ť	_	_	-	Ť	Ť	Ť	•	-	•	Ť	Ť
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		Ė		•	•	•	•		•	•		•	•	
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	•	•	•	•	•	•	•	٠	•	•	•	•	•	•
write content that is valuable and interesting to readers										•		•	آب	
MATHEMATICS														
Number Sense and Numeration														
add, subtract, and multiply whole numbers and decimals		•				•		Ш			•	_		
explain numerical information and respond to numerical information in media		•				•		Ш			•	_		
identify the use of numbers in various careers	-	•				•					•	-	_	
pose number problems and solve using appropriate calculations	-	•				•					•	-	_	
read and type whole numbers and decimals	-	•				•		\vdash	_	_	•		-	\dashv
select operations and write the formula for the calculation		•				•					•	\dashv		\dashv
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

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	rechno Editor	in in	FechnoNovel	rechnoClue	FechnoEzine	Fechnolnvestor	FechnoTravel	FechnoMission	FechnoEnvironment	TechnoBlog	FechnoCEO	FechnoFuture	FechnoCommercial	FechnoHTML
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Measurement											_		_	
read and write moneyvalues		٠				•					•			
estimate and count amounts of money						٠								
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		•				•			\exists		•	\Box	一	\neg
record data onspreadsheets	1	•				•					•	•	一	
search databases for information and interpret the information				•				•	-					
systematically collect, organize, and analyze data		•		•		•		•	•		•			
use conventional symbols, titles, and labels when displaying data		•				•		•	\exists		•			_
GEOGRAPHY		Ť												
produce a map for a variety of purposes							•							
formulate questions to guide the research of a topic concerning a geographic location					-		•	-	-1				-	—
locate relevant information from a variety of electronic sources	1				-		•	-	•		\dashv			-
analyze the information	1				-		•	-	•		\dashv			-
communicate the results of the inquiry for the purpose of producing a travel brochure	-				-		•	-	-	-	\dashv	\dashv	\dashv	-
							·							
SCIENCE														
Space											_			
describe technological and scientific advances that enable humans to study space		-						•	-	-	\longrightarrow			
describe past and present space missions and their contribution to space exploration	-			-	-		-	•	\dashv		\dashv	\dashv	\dashv	_
research space-related topics such as missions, astronauts, technology, planets	-			-	-		-	•	\dashv		\dashv	\dashv	\dashv	_
use appropriate science and technology terminology (constellations, planets, comets)	1	<u> </u>						•						
organize space-related data into a database	1	<u> </u>						•						
identify people who have contributed to space science and technology								•			_			
Environment														
understand the concepts of stewardship and sustainability									•					
investigate an environmentalissue									•					
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									•				\square	
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	L	L								آ	آي	•		
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		•	•	•										
	_	•	•	•	•		•		\neg	\neg	•	•	•	
identify the most appropriate graphic tools and use them correctly	•	•												
identify the most appropriate graphic tools and use them correctly apply the creative process to produce two-dimensional art works to communicate ideas	•	•	•	•				•				•		
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

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	FechnoAdvertise	TechnoSpecialist	ner	nder	h	TechnoPhotoshop
	Adve	Spe	Plan	Wor	Flasl	-bho
	uno,) Juo	TechnoPlanner	'our	TechnoFlash	louq
	Tecl	Tecl	Tecl	Tecl	Tecl	Tecl
LANGUAGEARTS						
Oral and VisualCommunication						
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			•	•		L
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	4	<u> </u>		•		<u> </u>
identify the most important ideas and supporting details, including complex and challenging texts		•		•		L_
use appropriate reading comprehension strategies to understand texts	4	•		•		•
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	•	•	•	•		<u> </u>
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 publishings skills to correct errors and refine expression	•	•	•	•		┢
use a variety of sentence types and structures appropriate for their purpose	•	•		•		\vdash
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	•	•	•	•	•	
	+	•	-	•	•	<u> </u>
use different styles of type appropriately for specific purposes use spreadsheets appropriately to convey specific types of information in graphs or tables	┿	-		•		\vdash
use writing for various purposes and in a range of contexts	•	•	-	•		\vdash
produce pieces of published work to meet criteria identified by the teacher, based on curriculum expectations	-	_		_		\vdash
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	+			•		Г
select operations and write the formula for the calculation	\top			•		
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	1			•		
develop and apply reasoning skills to make and assess mathematical conjectures and justify conclusions	1			•		
develop, select, apply, and compare a variety of problem-solving strategies as they conduct investigations	1			•		
Measurement						
Weasurement		_				
read and write money values				•		١,
	-			•		

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

construct graphic organizers using computer applications would all that and make conclusions from the analysis of data design surveys, organize the data, and record the information into a percedible to design surveys, organize the data, and record the information into a spreadsheet design and a variety of displays of the same data and select a suitable graph dentify and describe trends in graphs using informal language to identify growth interpret displays of data and present the information using mathematicatems and convincing arguments based on analysis of falbels, charts, graphs mainsipulate 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 recognized that different types of graphs can present the same data differently recognized that different types of graphs can present the same data differently recognized that different types of graphs can present the same data differently recognized that different types of graphs can present the same data differently recognized that differently recognized that discribe the functions of information and interpret the information systematically collect, organize, and analyze data succernorementally collect, organize, and analyze data succernorementally recognized that decide the control of the same data differently recognized that decide the functions of different types of hardware components use the basis functions of organized participates or investigate relationships between two variables COMPUTERTIONS Understanding Computers describe the functions of formation computer peripheral devices explain the importance of data storage and how to back up and archive user files and the functions of the internal components of a computer would be computed and the functions of the internal components of a computer would be computed by the computer would be computed by the computer would be computed by the computer would be compute	Technology Integration		1	1			
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