

TechnoKids Intermediate Projects – Grades 6-8

Technology Integration

	TechnoCEO	TechnoDirector	TechnoEditor	TechnoEntrepreneur	TechnoEzine	TechnoHTML	TechnoInvestor	TechnoJournalist	TechnoNASA	TechnoNovel	TechnoTravel	TechnoWeb
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 a variety of media works (book trailer, brochure, report, magazine, book, web page)	•	•	•	•	•	•	•	•	•	•	•	•
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	•	•	•	•	•	•	•	•	•	•	•	•
Reading												
decide on a specific purpose for reading and select material they need 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	•	•	•	•	•	•	•	•	•	•	•	•
integrate media materials into their writing to enhance the message such as clip art or digital images	•	•	•	•	•	•	•	•	•	•	•	•
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					•		•	•			•	
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 writing for various purposes and in a range of contexts	•	•	•	•	•	•	•	•	•	•	•	•
MATHEMATICS												
Number Sense and Numeration												
add, subtract, and multiply whole numbers and decimals	•			•			•					
explain numerical information in their own words 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 greater world and evaluate the use of numbers in media	•			•			•					
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 the graph is the best representation				•			•					
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 the analysis of tables, charts, and graphs	•			•			•					
manipulate and present data using spreadsheets and use the quantitative 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 analyse data	•			•			•		•			
use conventional symbols, titles, and labels when displaying data	•			•			•		•			

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GEOGRAPHY												
produce a map for a variety of purposes												•
formulate questions to guide the research of a topic of study 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 multimedia 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												•
THE ARTS												
Music												
select an accompaniment for a story, poem, or presentation	•	•						•		•		
Visual Arts												
identify the most appropriate graphic tools and use them correctly	•	•	•	•	•			•		•	•	•