

Grade 7: Spreadsheets & Graphs

ESTABLISHED GOALS:		
<u>Competencies:</u> - Students will demonstrate the ability to create spreadsheets and graphs in order to analyze data. - Students will demonstrate the ability to analyze and summarize text and integrate knowledge to make meaning of discipline-specific materials. - Students will demonstrate the ability to produce coherent and supported writing in order to communicate effectively for a range of discipline-specific tasks, purposes, and audiences. - Students will demonstrate the ability to speak purposefully and effectively by strategically making decisions about content, language use, and discourse style. <u>Content Standards:</u> - ISTE 4.CT: Use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.	Transfer	
	Students will be able to independently use their learning to analyze data in order to make an informed decision.	
	Meaning	
	ENDURING UNDERSTANDINGS Students will understand that... digital tools make it easier to manipulate and analyze data.	ESSENTIAL QUESTIONS How effective are digital tools with assisting in the decision making process and with finding a solution to a problem?
	Acquisition	
	Students will know... - which graph should be used to demonstrate data visually. - that data can be sorted. - that workbooks can contain multiple sheets. - that formulas will use function names. - that data should be organized on a sheet. <u>vocabulary:</u> Cell Reference, Function, Sheet, Workbook, Formula	Students will be skilled at... - sorting data. - using formulas with functions. - navigating through multiple sheets . - formatting a graph. - inserting data on a sheet. - interpreting data to make decisions in a real world situation. - identifying and defining authentic problems and significant questions for investigation. - planning and managing activities to develop a solution or complete a project. - collecting and analyzing data to identify solutions - using multiple processes and diverse perspectives to explore alternative solutions.

Content Area Literacy Standards	21 st Century Skills
- CCSS.ELA-LITERACY.RST.6-8.3: Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks. - CCSS.ELA-LITERACY.RST.6-8.4: Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to <i>grades 6-8 texts and topics</i>.	<i>Solve Problems</i> <i>Communicate Clearly</i> <i>Apply Technology Effectively</i>

● CCSS.ELA-LITERACY.RST.6-8.7: Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table). ● CCSS.ELA-LITERACY.RST.6-8.8: Distinguish among facts, reasoned judgment based on research findings, and speculation in a text. ● WHST.6-8.4 Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.	● <i>Make Judgments and Decisions</i>
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<i>Evaluative Criteria</i>	<i>Assessment Evidence</i>
	PERFORMANCE TASK(S):
	OTHER EVIDENCE:

<i>Summary of Key Learning Events and Instruction</i>		
<i>Science Integration</i>	<i>College, Career, and Civic Life Integration</i>	<i>Technology Integration</i>
<i>District Materials</i>	<i>Distance Learning/Field Trips</i>	<i>Technology Resources</i>