

Unit Title: Graphing
Grade Level: 3rd
Subject Area: Math
Duration/Length/Number of class periods: 5 weeks
Description: Introduce/Overview Unit #1 and learning target. Give Unit#1- Pre-test. Check prior knowledge/build background.
Established Goals (National, State, Local): 3.4.1.1 - Collect, display and interpret data using frequency tables, bar graphs, picture graphs and number line plots having a variety of scales. Use appropriate titles, labels, and units. 1.1- I can name and describe parts of a graph and the type of data it represents. 1.2 - I can use graphs to compare data and solve problems 1.3 I can collect, organize, display and interpret data for solving real-world problems. 1.4 - I can create and solve real-world and mathematical problems.

What <u>Enduring Understandings</u> are desired? The way that data is collected, organized and displayed influences interpretation.
What <u>Essential Questions</u> will be considered? Why is data collected and analyzed? • How do people use data to influence others?
Students will know / be able to 3.4.1.1 - Collect, display and interpret data using frequency tables, bar graphs, picture graphs and number line plots having a variety of scales. Use appropriate titles, labels, and units.

Description	For ma tive	Su m ma tive	Intro duct ory Acti vity	Lear ning Acti vity	Stud ent Tech nolo gy Use d	Teach er Tech nolog y Used	ISTE Stand ards
Investigations Unit 1 graphing Pre-test	X		X			X	
Investigations student workbook pages (ISTE standards 3a-d)	X			X		X	X

Investigations math games and record sheet	X		X	X			
https://www.dreambox.com/ leveled student work and various other online learning technology (google classroom, https://www.canva.com/graphs/ https://nces.ed.gov/nceskids/graphing/classic/ https://exchange.smarttech-prod.com/) (ISTE standards 1a-d and 2a-c)	X	X		X	X		X
Lesson Exit tickets paper/pencil	X	X		X	X		
Investigations unit #1 graphing Formative assessments (ISTE standards 3a-d)	X	X				X	
Investigations Unit #1 graphing Post-test		X					

Materials, tools and resources: Smartboard, chromebooks, dry erase boards, Investigations Math curriculum, Investigations Math games and <https://www.dreambox.com/> <https://www.canva.com/graphs/> <https://nces.ed.gov/nceskids/graphing/classic/> <https://exchange.smarttech-prod.com/>

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