

Graphing Lesson Plan

Teacher: Carmen Reyes

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Subject area / course / grade level: Social Studies, Government, 3rd Grade

Materials:

- Construction Paper
- Crayons
- Graph Paper
- Computer

TEKS/SEs:

SS.3.09A Describe the basic structure of government in the local community, state, and nation.

SS.3.09B Identify local, state, and national government officials and explain how they are chosen.

SS.3.18B Use technology to create written and visual material such as stories, poems, pictures, maps, and graphic organizers to express ideas.

SS.3.17E Interpret and create visuals, including graphs, charts, tables, timelines, illustrations, and maps.

Lesson objective:

Use technology to create graphs that compare and contrast the numerical differences between government in the local community, state, and nation.

Vocabulary:

- Data
- Survey
- Graph
- Bar Graph

Differentiation strategies to meet diverse learner needs:

Provide students opportunities to explore by themselves the basic structures of government in the local community, state, and nation. Allow them to research online before and after the class. Provide opportunities for the students to work at centers according to the objective.

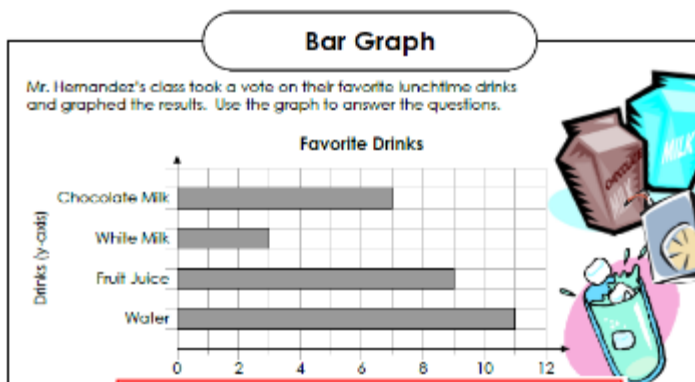
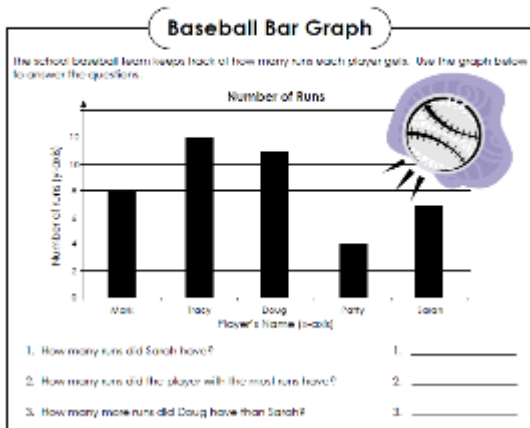
ENGAGEMENT

The teacher will capture the student's interest showing them different kinds of graphs and allowing the students to explore and infer what they think about the graph.

Examples:

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Name: _____



Think, Pair and Share:

- Where have you seen bar graphs?
- What type of information would be better represented in bar graph?
- What are some of the benefits of representing data in a visual format?

Teacher: Graphing data is very interesting and useful when collecting, organizing, and displaying information. Let's explore how we can use bar graphs to display information collected during a Social Studies class.

EXPLORATION

Brainpop Junior Videos:

Local and State Government: <http://www.brainpopjr.com/socialstudies/government/localandstategovernments/>
 Branches of Government: <http://www.brainpopjr.com/socialstudies/government/branchesofgovernment/>

Questions:

- Did you see the numerical differences between the local, state and national government? Why do you think this happens?
- Do you think that gathering the data you saw on the videos and creating graphs with the information will help you to understand the structure and functions of the government at different levels? Justify your answer.

EXPLANATION

Teacher: Local, State, and National Government have differences in number of members. These are our findings:

- Local Government (Houston City Council):** 14 members

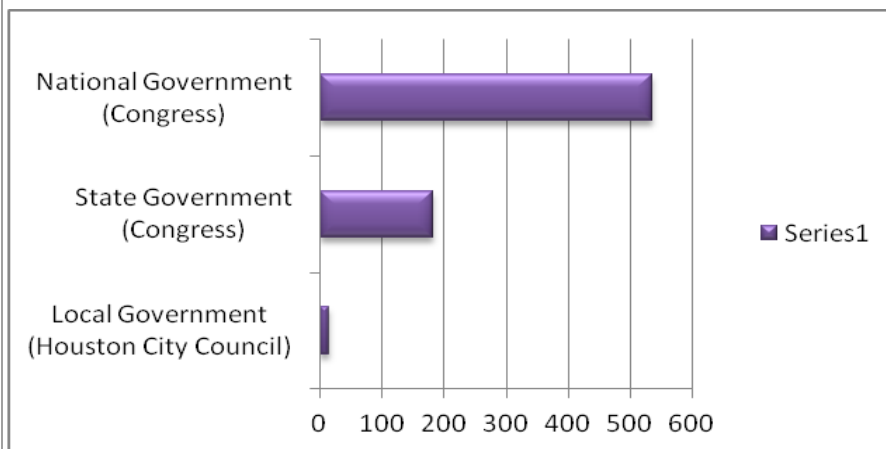
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2. **State Government (Congress):** 181 Members (150 Representatives and 31 Senators)
3. **National Government (Congress):** 535 Members (435 Representatives and 100 Senators)

ELABORATION

1. Students will complete a chart with the following data:
 - How many members does the Houston City Council have?
 - How many members does the Texas Congress have?
 - How many voting members does the USA National Congress have?
2. The students will draw a bar graph using the graph paper with the information.

Local Government (Houston City Council)	State Government (Congress)	National Government (Congress)
14 Members	181 Members (150 Representatives and 31 Senators)	535 Members (435 Representatives and 100 Senators)



EVALUATION

Students will be able to create the graph appropriately (see example above) and write a reflection about the numerical differences between the three levels and understand what makes the difference and why.

Extension: Students can explore other ways to graph information. They can learn how to use Excel and how to reflect the same information in a different kind of graph such as pie graphs. Example:

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Resources:

Brainpop junior. (2012,). Retrieved October 2012, from

<http://www.brainpopjr.com/socialstudies/government/branchesofgovernment/>

Houston ISD social studies curriculum. (2012). Retrieved from

https://www.houstonisd.org/Curriculum/SS3_1213_Unit6_Community_Characteristics.pdf

Super teachers worshets. (2012,). Retrieved October, 2012, from

<http://www.superteacherworksheets.com/graphing/bar-graph-simple-4.pdf>