

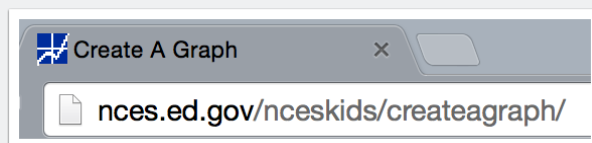
Creating a bar graph using NCES Kids' Zone

Step 1: Click your Google Chrome button at the bottom of your computer screen.



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Step 2: Type <http://nces.ed.gov/nceskids/createagraph/> in the search bar.



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Step 3: Read the sidebar of information and reflect on these questions: Why are graphs important tools to use in the real world? How are they important?

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CREATE A GRAPH

Help

?


Graphs and charts are great because they communicate information visually. For this reason, graphs are often used in newspapers, magazines and businesses around the world.

NCES constantly uses graphs and charts in our publications and on the web. Sometimes, complicated information is difficult to understand and needs an illustration. Graphs or charts can help impress people by getting your point across quickly and visually.


Here you will find five different graphs and charts for you to consider. Not sure about which graph to use? Confused between bar graphs and pie charts? Read our:

[Create A Graph Tutorial](#)


Bar




Line




Area



Pie




XY



Please select a graph type to begin

New to creating graphs? Then try...



Hey! If you need extra help, you can always use this tutorial. Once you're there, click "Building Bar Graphs" to learn more about this type of graph.

GRAPHING TUTORIAL

How Do I Use the New Create a Graph?

How to Choose Which Type of Graph to Use?

Definitions

Building Bar Graphs

Learning Line Graphs

Perfecting Pie Charts

GETTING STARTED .

- Begin by logging on if you are not already logged in.
- A screen will appear where you are unsure of which graph to use. Click on the "Graphs to Use" section of the screen.
- Once you have selected your graph type, you will be taken to the "Design" screen.

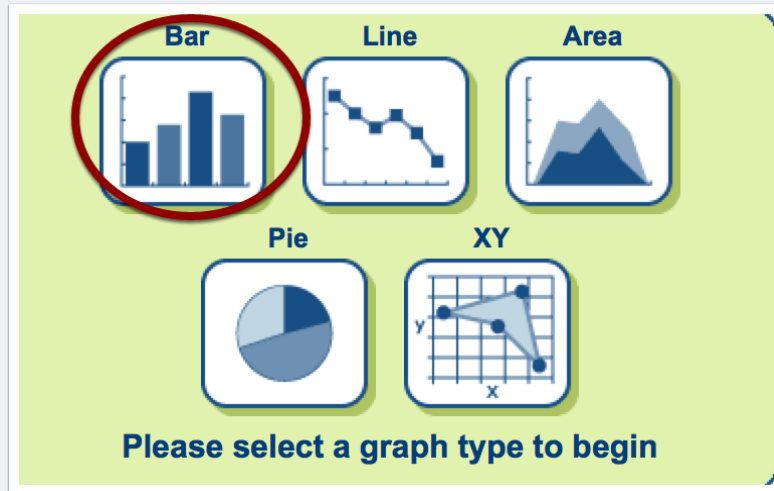
"Design"

- Once you have selected your graph type, you will be taken to the "Design" screen. Here you can choose from several different settings for your graph. For line graphs, you can choose how many data points you want to plot (how many squares on the graph to be 2 squares wide).

You can click here to find cool tips on when bar graphs are used and what they look like!

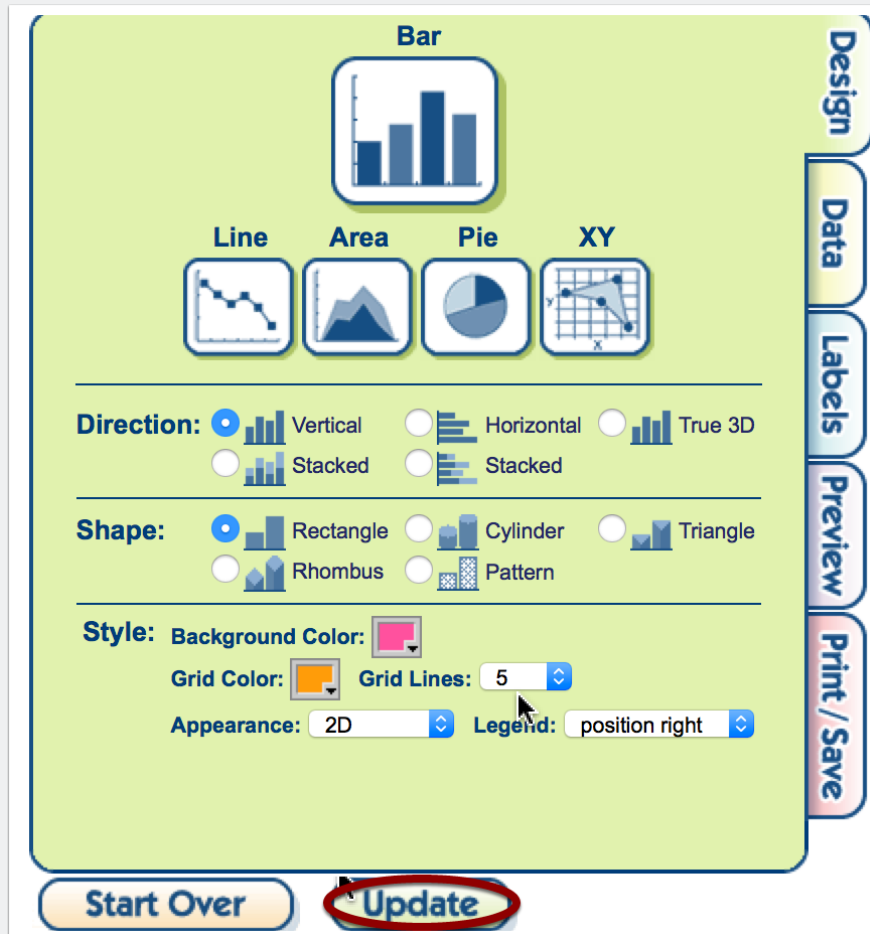
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Step 4: Click on Bar from the list of available graph options on the home screen.



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Step 5: Design your bar graph's direction, shape, and style using the given options. Be creative and make sure to click UPDATE.




Step 6: Click on Data on the right hand side. Fill out the data information using the survey question that you asked your classmates in our probability unit. I

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will use an imaginary set of data for the purpose of this example. Make sure you click "Update" to save your changes!

Graph Title: Room 206 Period 5 Favorite Sports
↔ X Axis Label: Sports
↑ Y Axis Label: Frequency of Students
Source:

Data Set: Items 5 Groups 1

Group 1
Group Label: Students
Color: 

| Item Label | Value |
|--------------------|-------|
| Item 1: Soccer | 11 |
| Item 2: Tennis | 8 |
| Item 3: Baseball | 6 |
| Item 4: Basketball | 3 |
| Item 5: Lacrosse | 1 |

Min-Value: 1
Max-Value: 11

NOTE: Values may only be numbers.

Start Over Update

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Step 7: Click on Labels. Make your labels unique by choosing your font style and colors.

Data Labels: Show Label: yes no

Type: value Prefix: Suffix:

Position: Inside Bottom Font Size: 18 pt

Label Color: Background Color:

Fonts:

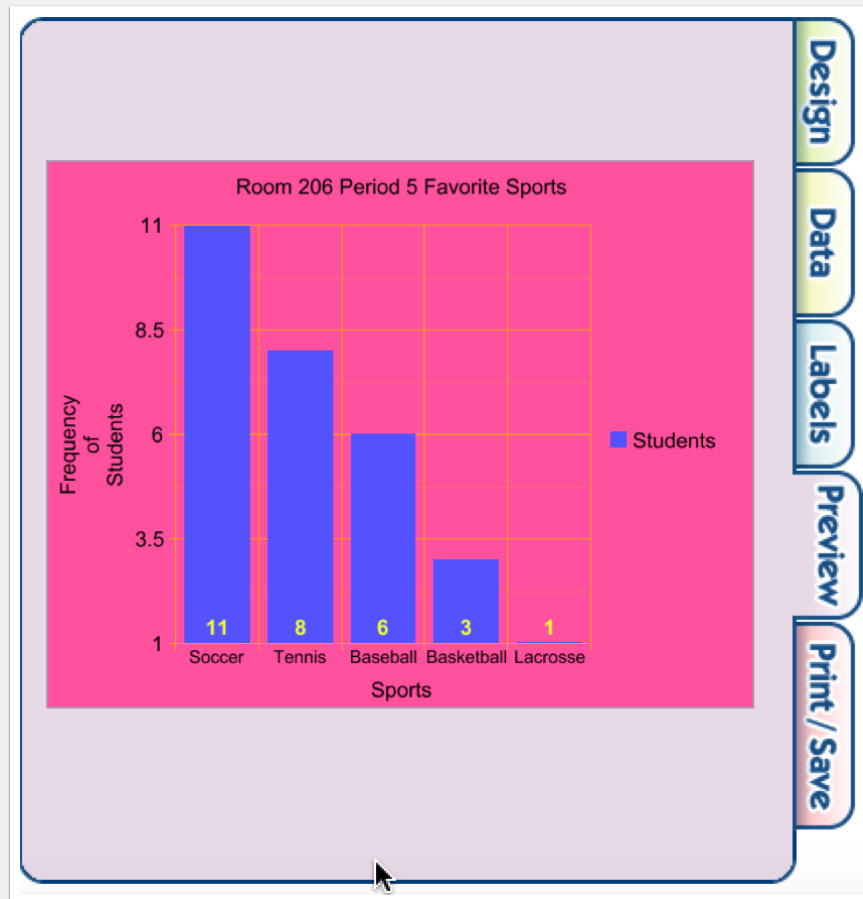
| | |
|--|--|
| <input type="radio"/> ABC abc 123 | <input type="radio"/> abc abc 123 |
| <input type="radio"/> ABC abc 123 | <input type="radio"/> ABC ABC 123 |
| <input type="radio"/> ABC abc 123 | <input type="radio"/> ABC abc 123 |
| <input type="radio"/> <i>ABC abc 123</i> | <input type="radio"/> ABC abc 123 |
| <input checked="" type="radio"/> ABC abc 123 | <input type="radio"/> ABC abc 123 |

Font Color: Font Size: 18 pt

Start Over **Update**

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Step 8: Click on Preview. Look at your bar graph to make sure it looks just right!



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Step 9: Click on Print/Save. E-mail the graph to yourself as an HTML (website link).

Email this graph HTML Text
to:
You will be emailed a link to your saved graph project where you can make changes and print.