Desmos for Beginners

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The Basics - Zoom In and Zoom Out

You can zoom in and zoom out using the + and - buttons.
The Basics - Adjusting the Window

To adjust the window, click the wrench.

**You can also adjust the window by clicking and dragging the grid.**
The Basics - Adding Axis Labels

To add axis labels, click the wrench.
The Basics - Projector Mode

To view your graph in projector mode, click the wrench and choose “Projector Mode.”

**Projector Mode is very helpful when discussing graphs as a class because it makes the graph more legible from a distance.**
To access the keyboard, click the keyboard button.

**Most functions and expressions can be typed into Desmos without the use of the keyboard. However, the keyboard is helpful with exponents and symbols.**
To plot individual coordinate points, enter the coordinates in the expression box. The point will be plotted in the grid.

**Points can be labeled with their coordinates or with a letter by clicking the box next to “label.”**
Graphing Expressions and Equations

Type the expression or equation in the expression box. Equations can be entered in multiple forms.

To turn the graph “on” and “off” click the colored circle to the left of the expression or equation.

**Inequalities can be graphed using the same steps and including the appropriate inequality symbol.**
Finding Key Features

To find the key features of a graph, click on the gray highlighted points along the graph.

This method can also be used to find points of intersection of two or more graphs.
To change the color of the graph or to change from a solid line to a dashed line, click the gear.

Then, click the solid circle next to the expression or equation.

Choose the color or style you wish you to use.
Converting an Expression/Equation to a Table

To convert an expression or equation into a table, click the gear.

Then, click the table icon.

The expression or equation is then shown as a table and the points from the table are shown on the graph.
To enter and graph a table, first click the + symbol.

Choose “table” from the dropdown menu.

As you enter the data into the table, the points are plotted on the coordinate plane.
Editing a Table

To edit a table, click the gear.

Then, click the solid-colored circle.

**When you turn “lines” on the points will be connected with a line. When turning “drag” on the points can be moved by clicking and dragging.**

Last, choose the color and/or type of point you wish to use.
The **NC TEST version of Desmos** looks just like the online version and kids can also access Desmos on their cell phone.
Graphing in Desmos can be FUN!
More Advanced Features

Each of the links below connects to Learn Desmos and provides a short video tutorial.

Sliders

Regressions

Restrictions

Polar Graphing

Parametric Equations

Statistics
Desmos is so much more than just a graphing calculator...
Exploring Desmos Activities - Time to Explore

To explore the library of activities that Desmos has to offer, visit:

teacher.desmos.com