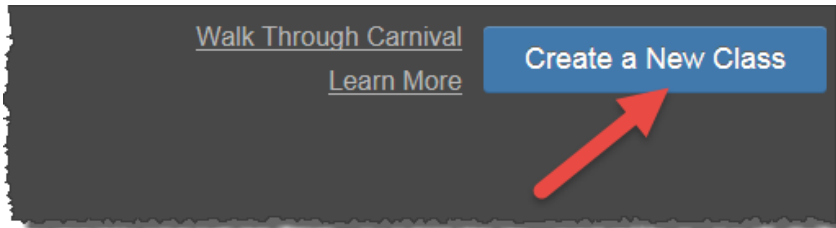


Function carnival

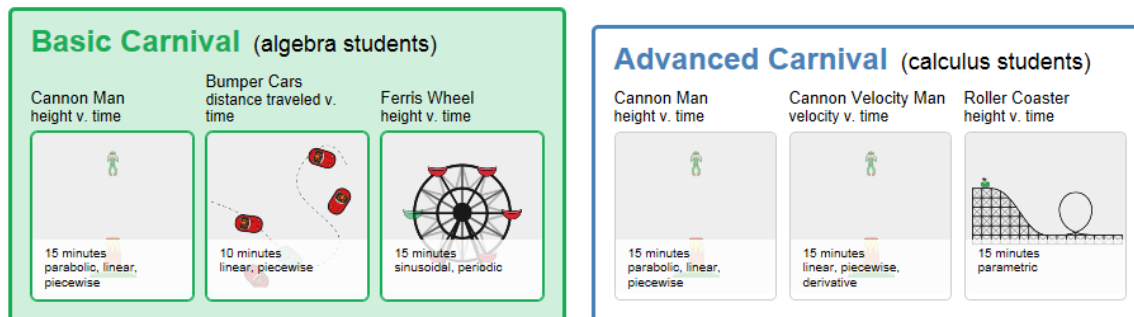
To create a function carnival class:

Step 1. Go to <https://class.desmos.com/carnival> (or just Google “Function Carnival”)

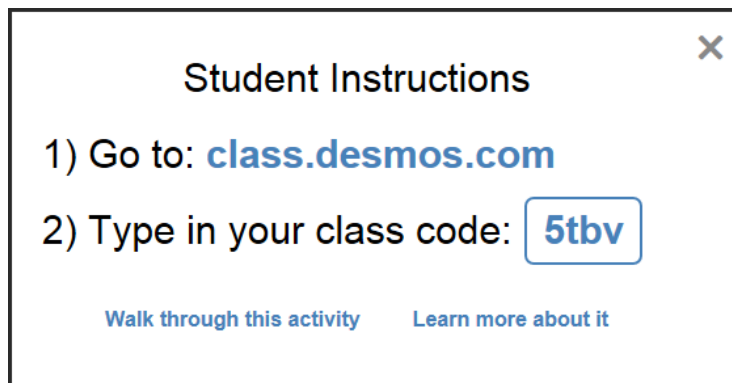
Step 2. Click on Create a New Class.



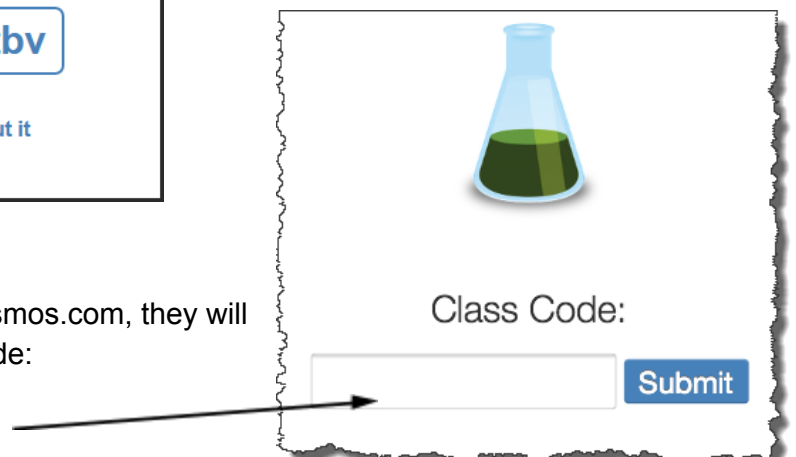
Step 3. Select the carnival you wish to do



Step 4. You will be given a class code. For this demo, the class code was **5tbv**



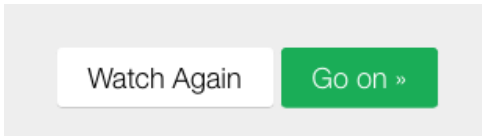
Step 5. When your class goes to class.desmos.com, they will get a simple screen asking for the class code:



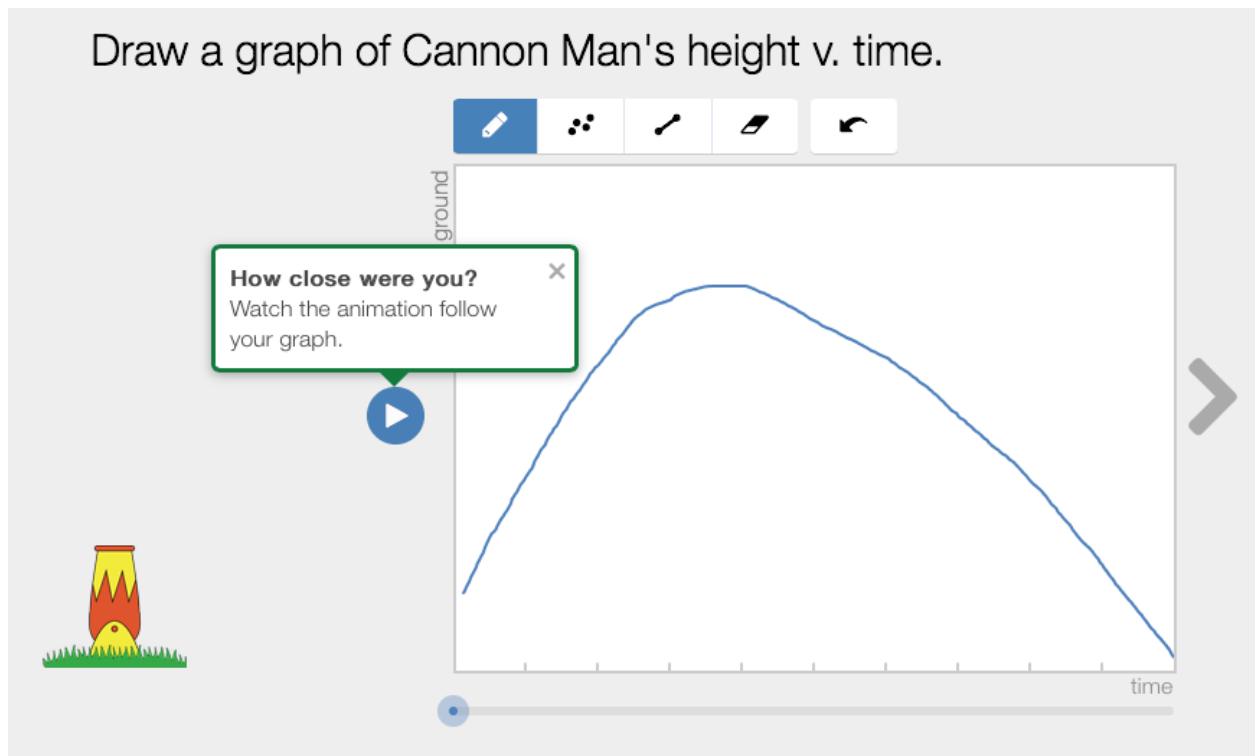
Step 6. Students will be prompted to enter their name

Students will see the animation and can watch it until they understand it. Once they see what is happening, they will click on Go

ON.



Step 7. They will then be able to see the animation and graph it. For the Cannon Man, we are to sketch a graph of the man's height vs time. Students should then see how close their graph matches with the actual situation. They can then select the scubber under the graph to make refinements. They should select the eraser tool and redraw the graph.




Step 8. From the teacher dashboard, the instructor can see all of the student graphs. They can view a summary of them as well as the actual graph.



▶ Chloe	
▶ Aiden	
▶ Taylor	
▶ Serena	

▼ Serena



Eric's graph is too linear. He should try a more parabolic graph.



Function Carnival class code: 5tbv

Dashboard Cannon Cannon Bumper Bumper Ferris Ferris

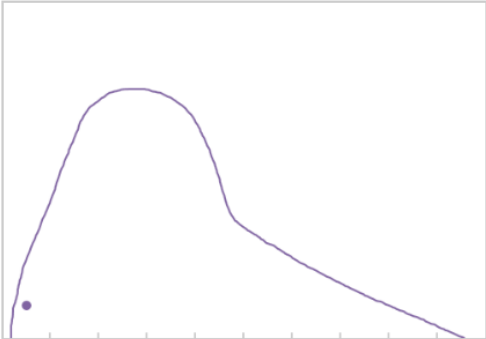
holes (1) multiple values (0) very precise (0) needs help (0) points (0)

Students with holes in their graphs
Ask students to tell you what their graph says happens to Cannon Man during the section with the hole. Make sure they understand that a hole in the graph means he disappeared, not that he stopped moving. Help them draw what actually happens.

Select all Unselect all

✓ Scott McD

You can even play a student's own graph.



It will also help you identify those who need help or those who have a very precise graph. As you can see from the graph below, this student is identified as one who needs help. They used dots instead of a line.

holes (1) multiple values (0) very precise (0) **needs help (1)** points (1)

Students who need help

These students may need your close attention. Their graphs may make for useful classroom discussion later.

show exact graph

The screenshot shows a user interface for a data analysis tool. At the top, there is a horizontal menu of filter buttons: 'holes (1)', 'multiple values (0)', 'very precise (0)', 'needs help (1)', and 'points (1)'. A green arrow points to the 'holes (1)' button, and a red arrow points to the 'needs help (1)' button. Below the menu, the section is titled 'Students who need help' with a subtitle: 'These students may need your close attention. Their graphs may make for useful classroom discussion later.' To the right of this text is a checked checkbox labeled 'show exact graph'. On the left side of the main content area, there is a stylized illustration of a Ferris wheel with red and green passenger cars. In the center, there is a blue play button icon. On the right, there is a scatter plot showing approximately 12 purple data points forming a downward-opening parabolic curve.

Here is a screen recording of a teacher's class:

<http://www.youtube.com/watch?v=Gze55bRVqUM>