



# USING DESMOS CLASSROOMS ACTIVITIES TO TEACH ECONOMIC CONCEPTS

SYMPOSIUM OF ECONOMIC TEACHING

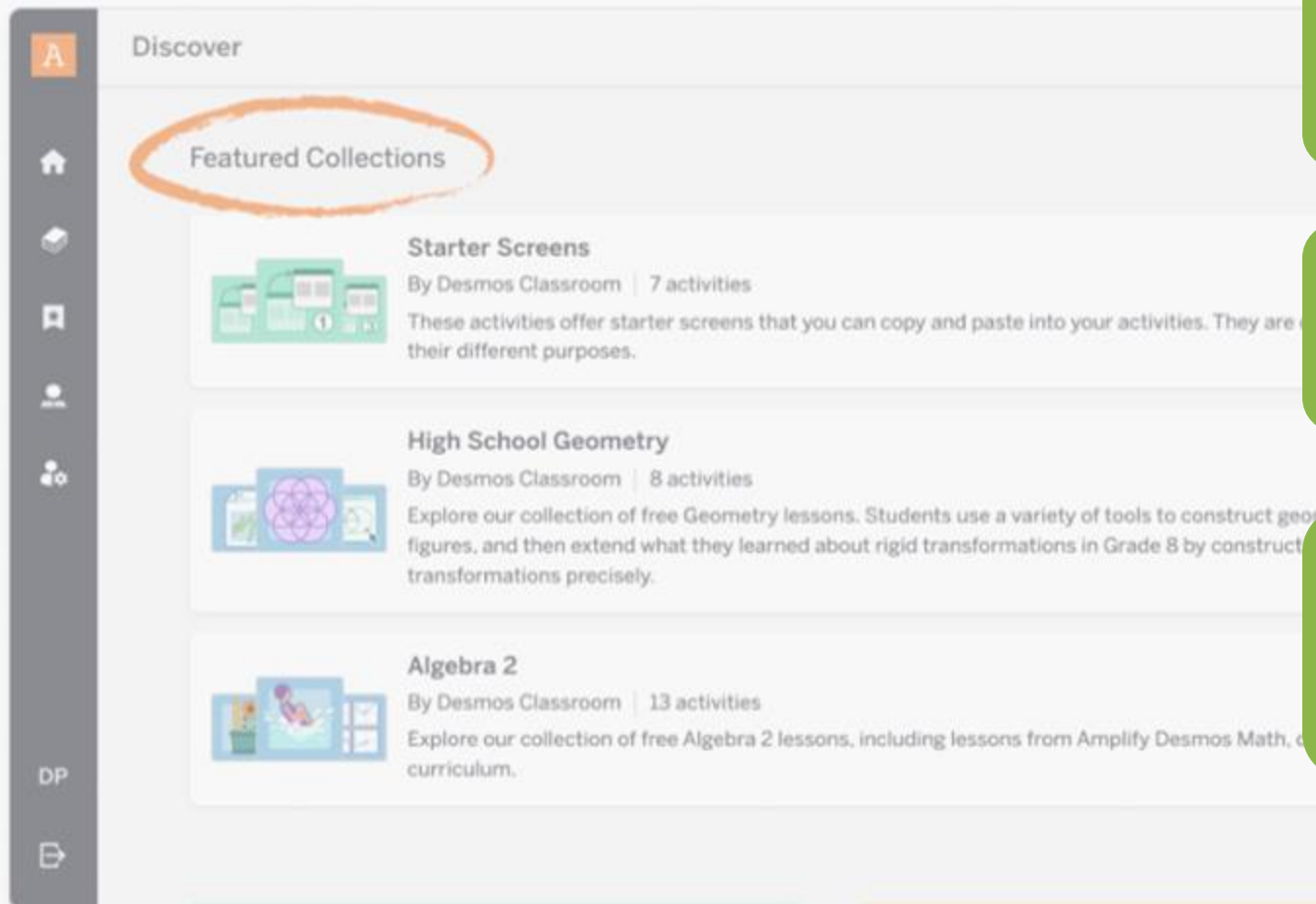


# WHAT IS DESMOS CLASSROOM ACTIVITIES?

Desmos Classroom is a free, web-based platform designed to enhance mathematics teaching and learning.

Desmos Classroom Activities are digital lessons that transform abstract mathematical concepts into visual and interactive experiences.

Desmos allows teachers to monitor student progress in real-time or later, providing immediate feedback so you can adjust instruction as needed.



## LET ME SHOW YOU AN EXAMPLE

- Here is a 'Get to know you' activity created by Desmos Classroom.
- Desmos classrooms allow you to easily create a link and login code for all students to join without the need to create an account.

Hey, students!

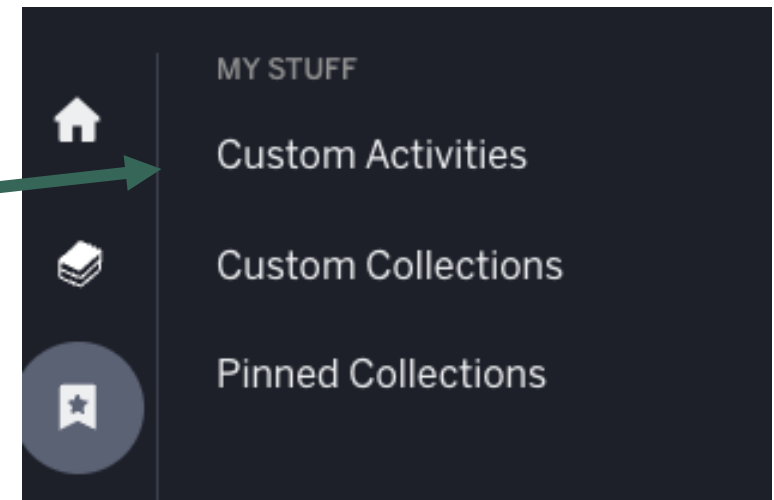
Go to [student.amplify.com/join](https://student.amplify.com/join) and type in:

**XA** **GM** **8V**

Or go to this link: <https://student.amplify.com/join/#/XAGM8V>

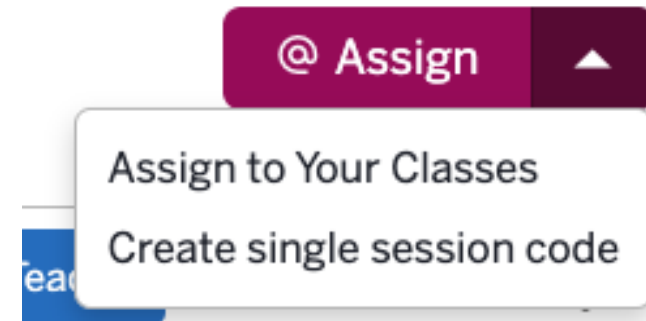
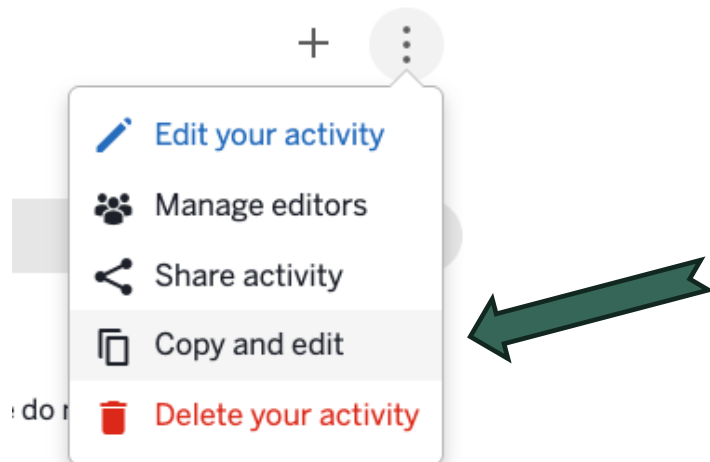
# HOW TO ACCESS IT

- Go to 'Amplify Classroom Activities'.
- Create an educator account to save and edit all of your projects.
- You'll want to locate the 'My Stuff' tab on the left under 'Custom Activities' is where you will find activities you have created or activities other people have created that you have saved.
- Today, we'll discuss how to adapt these activities for any class level.



## GREAT FOR ANY MATH LEVEL AND ANY CLASS SIZE

- Desmos has a wide range of published activities based on grade level and subject type. You are able to copy and edit any published activity to customize it completely to your lecture and teaching style.
- Here is a [link](#) to a collection of Desmos activities, primarily for math-based activities.
- You can create a class and create all of the activities within that class to assign to students or you can create a single session join code.



# SINGLE SESSION CODE VS CREATING A CLASS

- I typically create single session codes to share with my classes, but if you are using Desmos frequently and want them to be able to assign them activities to do outside of class, it would be beneficial to create a class.
  - When creating a class, you can either use Google Classroom to upload a student roster or present the students with a login link for the course.
- Single session codes allow the activity to be live for a certain period of time (that you set).

# SPORTS ANALYTICS ACTIVITIES

Pick one of the following activities:



## The Night The Rockets Went Cold

By Joel Bezaire

How unlikely was the Rockets' 0-for-27 shooting stretch?



## Eric Reid

By Joel Bezaire

Students will hear the story of Eric Reid and examine his random (?) drug tests from a statistical likelihood standpoint.



## MLB Playoff Odds

By Joel Bezaire

Four teams are probably going to make the playoffs. But only three actually can. How does that work?



## NBA Body Types

By Joel Bezaire

Examine "body analytics" in the NBA (height, wingspan, etc.) Students will have a chance to see how scouts use data points to evaluate players and will have a chance to play with some data themselves to see what they can learn.



## Sumo Analytics

By Joel Bezaire

Students will see how data can be represented in such a way as to lead to different conclusions. They will be encouraged to create persuasive graphs, with the goal being for them to become thoughtful when viewing other graphs and realizing how there could be an agenda behind them.



# HOW WOULD WE USE THIS TO TEACH ECONOMICS CLASSES?

Session example linked

Desmos classroom allows you to aggregate all student responses together during the lecture. This is great, especially for large classes when it is difficult to engage everyone. It also allows students to see how their responses compare to the 'market' without singling out anyone.

It's also great for discussing shifters because you are able to create interactive questions where students are making shifts within a market. You can overlay everyone's responses to see anonymously if everyone is making shifts in the right direction.





THANK YOU!

Questions, Comments, Concerns?