

# Proof Ninja Educator Onboarding Guide

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Welcome to CanFigureIt Geometry!

This guide will help you and your students get started with using CanFigureIt Geometry in your classroom.

Follow the simple steps below to create your classes, invite your students to join a class, manage your students, log into CanFigureIt Geometry, assign activities, and track student progress.

If you have any questions as you get started, please do not hesitate to reach out to us at **educators@canfigureit.com** or **844-222-2320**.

We're looking forward to working with you as you use CanFigureIt Geometry in your classroom!

Get Started Below:

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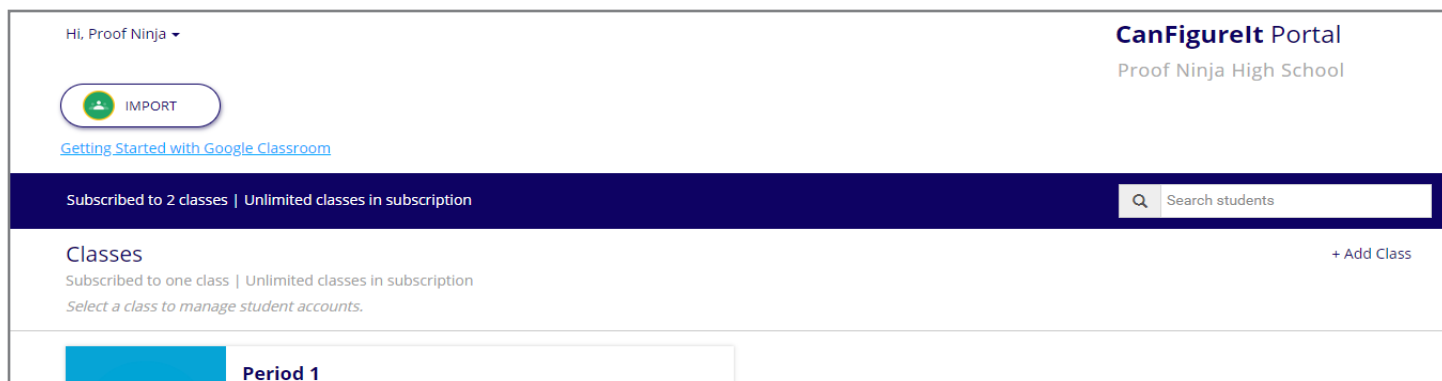
# Setting Up Your Classes

1. Log into the Teacher Portal at <https://portal.canfigureit.com> with your username and password.



The screenshot shows the CanFigureIt Portal interface. At the top left, it says "Hi, Teacher Account". At the top right, it says "CanFigureIt Portal". Below the header, there is a dark blue bar with "CLASSES" on the left and a search bar labeled "Search students" on the right. Underneath, the text reads "Classes" followed by "Subscribed to one class | Unlimited classes in subscription" and "Select a class to manage student accounts." on the right is a "+ Add Class" button. The main content area shows a single class card for "Class 1" with a blue icon of three people and "3 Students" listed below it.

2. You should see 1 class (**LastName Class 1**) in your class list. If you teach more than 1 class, you can add additional classes by selecting **+ADD CLASS** in the top right corner.



The screenshot shows the CanFigureIt Portal interface for a user named "Proof Ninja". At the top left, it says "Hi, Proof Ninja". At the top right, it says "CanFigureIt Portal" and "Proof Ninja High School". Below the header, there is a dark blue bar with "Subscribed to 2 classes | Unlimited classes in subscription" on the left and a search bar labeled "Search students" on the right. Underneath, the text reads "Classes" followed by "Subscribed to one class | Unlimited classes in subscription" and "Select a class to manage student accounts." on the right is a "+ Add Class" button. The main content area shows a class card for "Period 1" with a blue icon of three people. In the top left corner of the main content area, there is a green "IMPORT" button with a person icon and a link "Getting Started with Google Classroom" below it.



## Connected to Google Classroom?

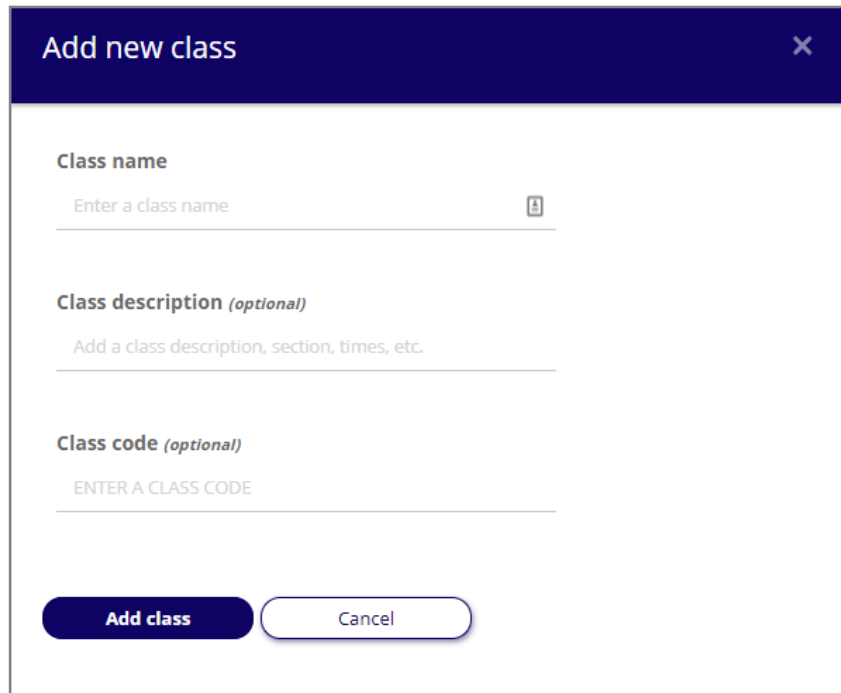
You can import your classes by clicking **IMPORT** in the top left corner. Here's a [quick start guide](https://portal.canfigureit.com/CanFigureIt_google_classroom_guide.pdf) ([https://portal.canfigureit.com/CanFigureIt\\_google\\_classroom\\_guide.pdf](https://portal.canfigureit.com/CanFigureIt_google_classroom_guide.pdf)) and [video tutorial](https://youtu.be/HDzOTmZooos) (<https://youtu.be/HDzOTmZooos>) to walk you through connecting your Google account and importing your classes via Google Classroom.

## Setting Up Your Classes (cont.)

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3. Input your Class name. A Class description and Class code\* are optional.

*\*If you input a class code, it must be at least 6 characters, include only alphanumeric characters, and should have no spaces. The Class code will be automatically generated if you do not include one.*



The image shows a modal dialog box titled "Add new class" with a close button (X) in the top right corner. The dialog contains three input fields:

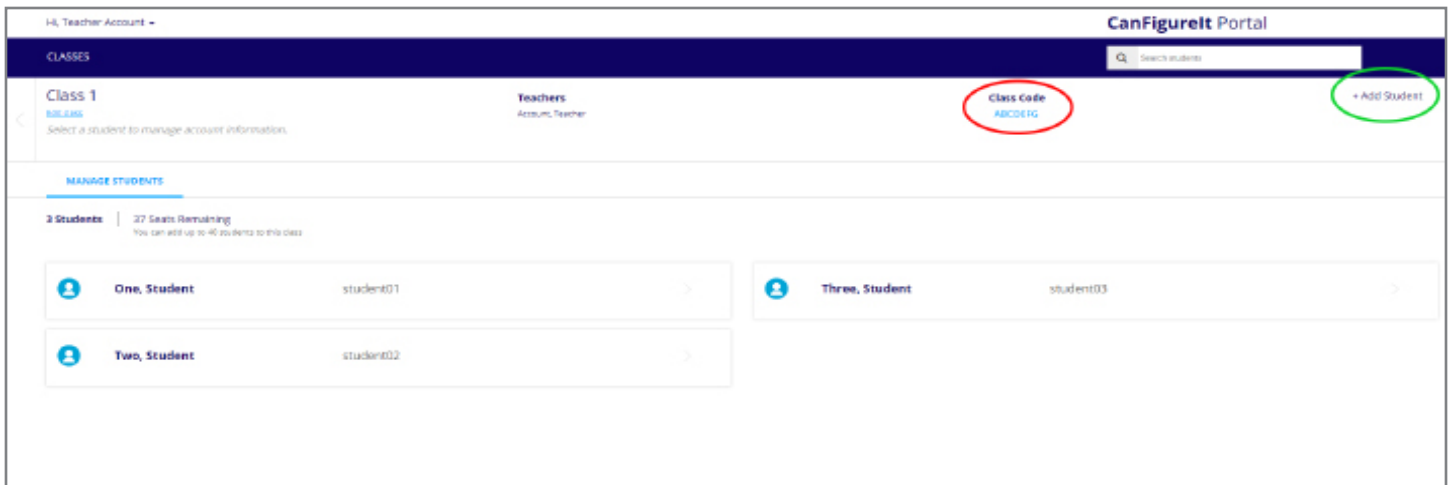
- Class name:** A text input field with the placeholder text "Enter a class name" and a small icon of a document with a plus sign on the right.
- Class description (optional):** A text input field with the placeholder text "Add a class description, section, times, etc."
- Class code (optional):** A text input field with the placeholder text "ENTER A CLASS CODE"

At the bottom of the dialog, there are two buttons: a dark blue button labeled "Add class" and a white button with a dark blue border labeled "Cancel".

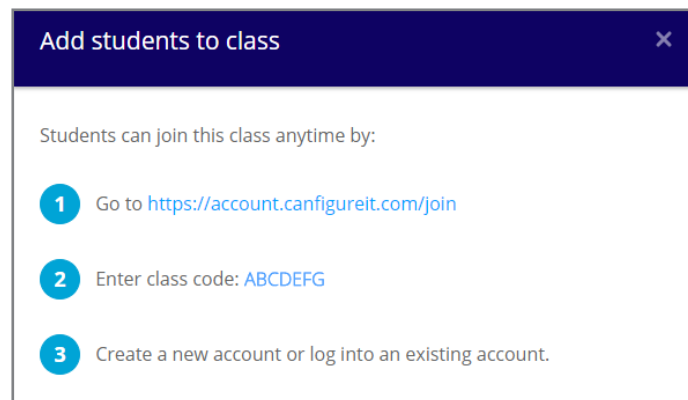
4. Add as many classes as you'd like.

# Inviting Your Students to Join a Class

1. In the **Teacher Portal** (<https://portal.canfigureit.com>), select the class in which you'd like to invite students to join.
2. Once in the class, you can view your Class Code (circled in red below).
3. To add students in the class:
  - a. Click **+ADD STUDENT** in the Teacher Portal (circled in green).



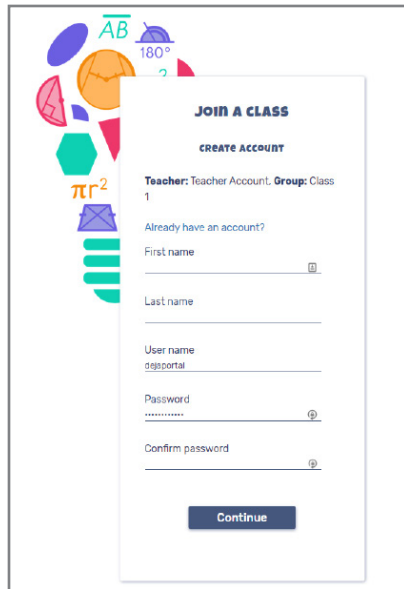
- b. Share the following information with your students:



## Inviting Your Students to Join a Class (cont.)

4. After entering the class code, students will be asked to complete the following steps when setting up their account:

### Create a username and password:



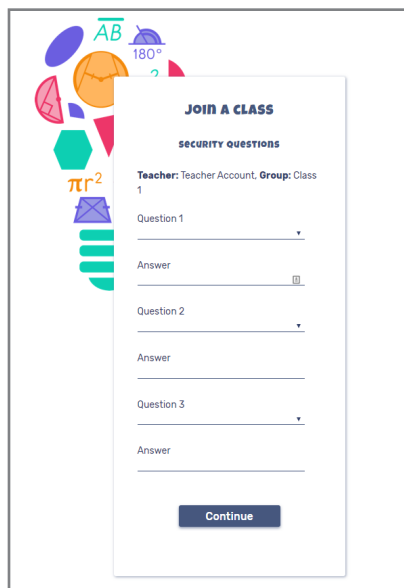
The screenshot shows a 'JOIN A CLASS' form with the following fields and options:

- Teacher: Teacher Account, Group: Class 1
- Already have an account?
- First name
- Last name
- User name
- Password
- Confirm password
- Continue button

### Requirements:

- First and Last names must have at least 2 characters.
- Please do not include any spaces in your answers.
- The **Username** must be at least 6 characters (only letters and numbers).
- The **Password** must be at least 8 characters (must include uppercase letters, lowercase letters, numbers and these special characters (!, @, #, \$, %, \*)).
- We **highly suggest following your username layout for a password**.
  - For example, if your username is [johnsmith](#), the password might be [Johnsmith1!](#) (first letter capitalized, add 1, and add a "!" at the end).

### Answer 3 security questions:



The screenshot shows a 'JOIN A CLASS' form with the following fields and options:

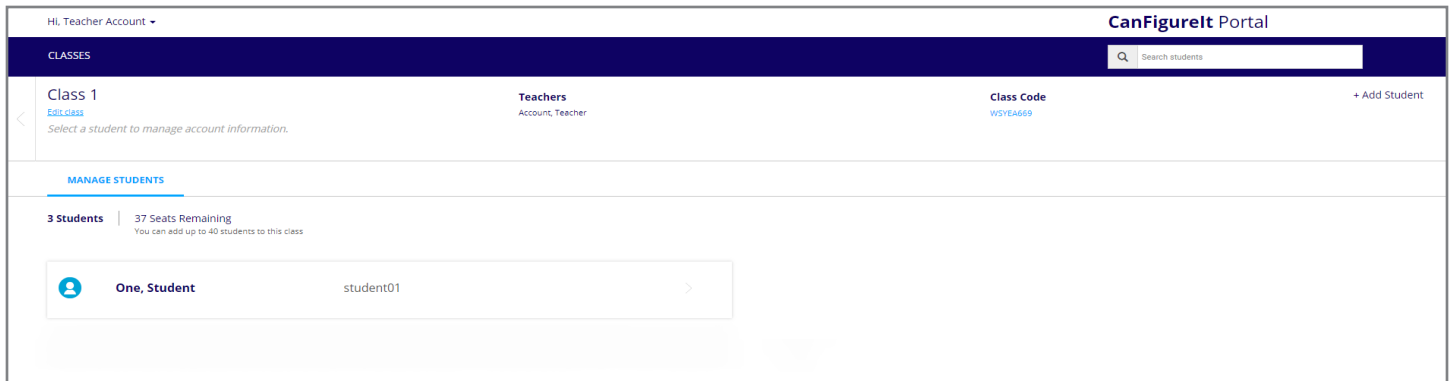
- Teacher: Teacher Account, Group: Class 1
- Question 1
- Answer
- Question 2
- Answer
- Question 3
- Answer
- Continue button

### Requirements:

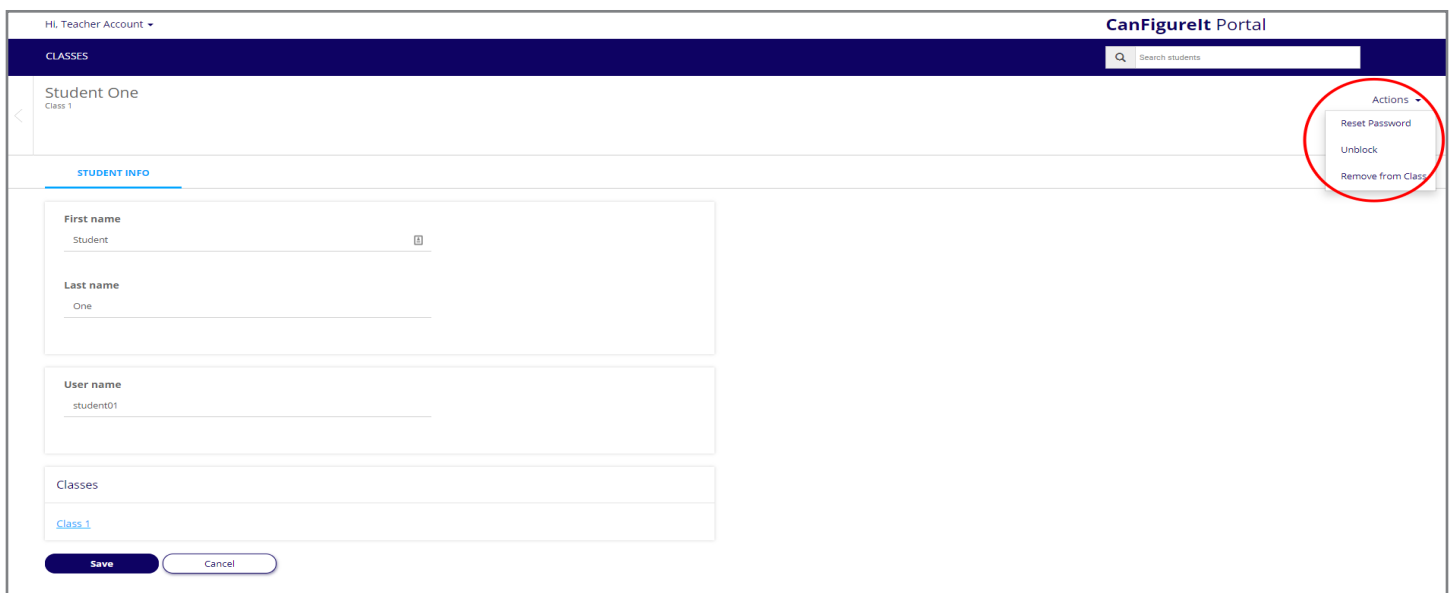
- Answers are case sensitive and must have at least 2 characters.
- Please **do not** include any spaces or special characters in your answers.

# Managing Your Students

1. Log into the **Teacher Portal** at <https://portal.canfigureit.com> with your username and password.
2. Select a class.



If you need to **reset** a student password:



2. Click the **ACTIONS** button (down arrow) in the top right corner.
  - a. **Reset student password**
    - This will reset the student password to the student username. When the student next logs into CanFigureIt Geometry their password will need to be reset.
  - b. **Unblock a student account**
    - If a student unsuccessfully attempts to log into CanFigureit Geometry too many times, they will be blocked. You can unblock them here.
  - c. **Remove from class**
    - If this student is no longer enrolled in this class, you can remove the student. This will not delete the student's progress. If this student joins another class, progress will be saved.

# Logging Into CanFigureIt Geometry

1. Login to CanFigureIt Geometry (<https://geo.canfigureit.com>) using your username and password.\*

\* Please use Google Chrome for the optimized experience, and make sure to go into full screen.

2. The main menu container looks like the following:

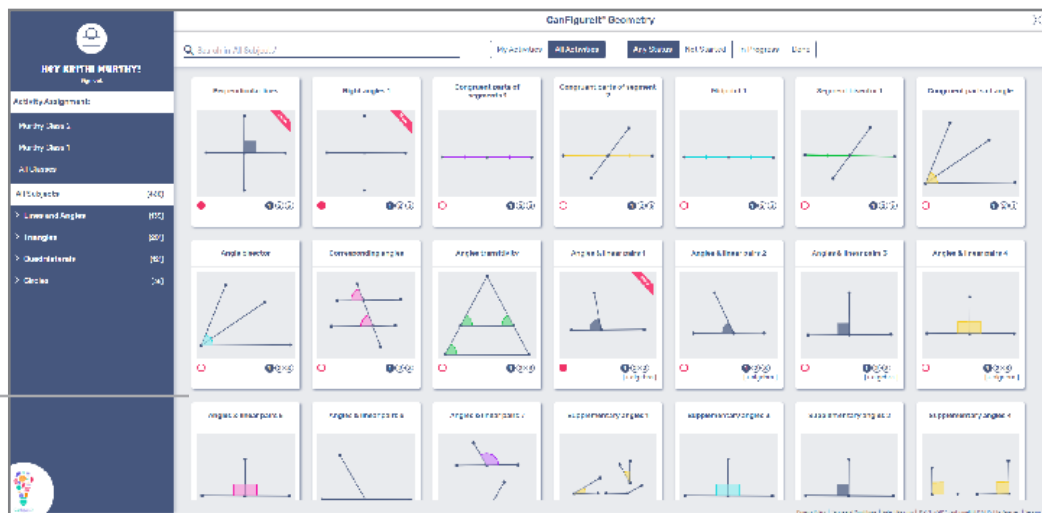
### Activity Assignment

Click on a specific class to assign activities.

### Content Tree

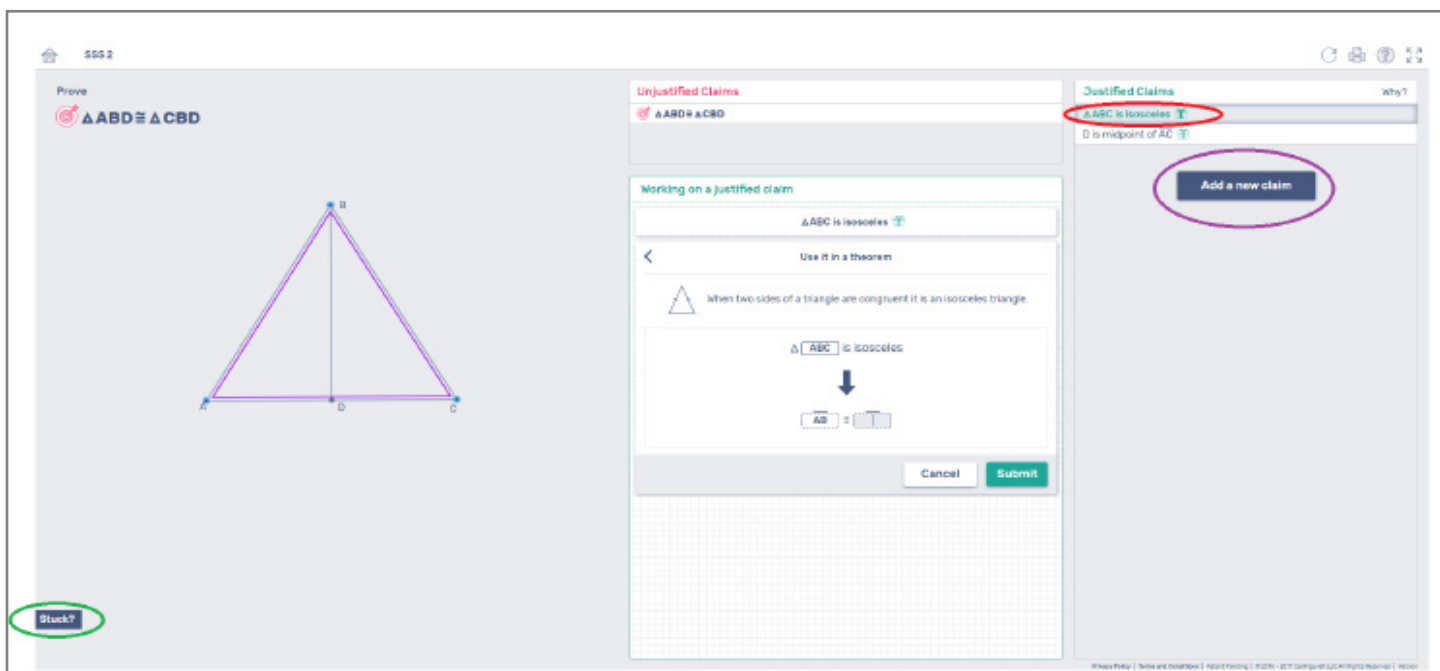
View all 460 activities here. Activities are filtered by geometry curriculum.

Click on an activity to work through it.



3. Once you click into an activity, you can work through it by:

- Working with your givens - represented by the giftboxes (circled in red)
- Adding a new claim and justifying it with a theorem (circled in purple)
- Clicking the stuck button for a hint (circled in green)



## Logging Into CanFigureIt Geometry (cont.)

5. Once you have justified all relevant claims, you are ready to justify the goal (what you are trying to prove).
  - a. Click on the target (circled in red)
  - b. Fill in the blanks (circled in green)
  - c. Click Submit (circled in purple)

The screenshot shows the CanFigureIt Geometry interface. On the left, a triangle  $\triangle ABC$  is shown with a point  $D$  on the base  $AC$ . A line segment  $BD$  is drawn. The goal is to prove  $\triangle ABC \cong \triangle CBD$ . The interface is divided into three main sections:

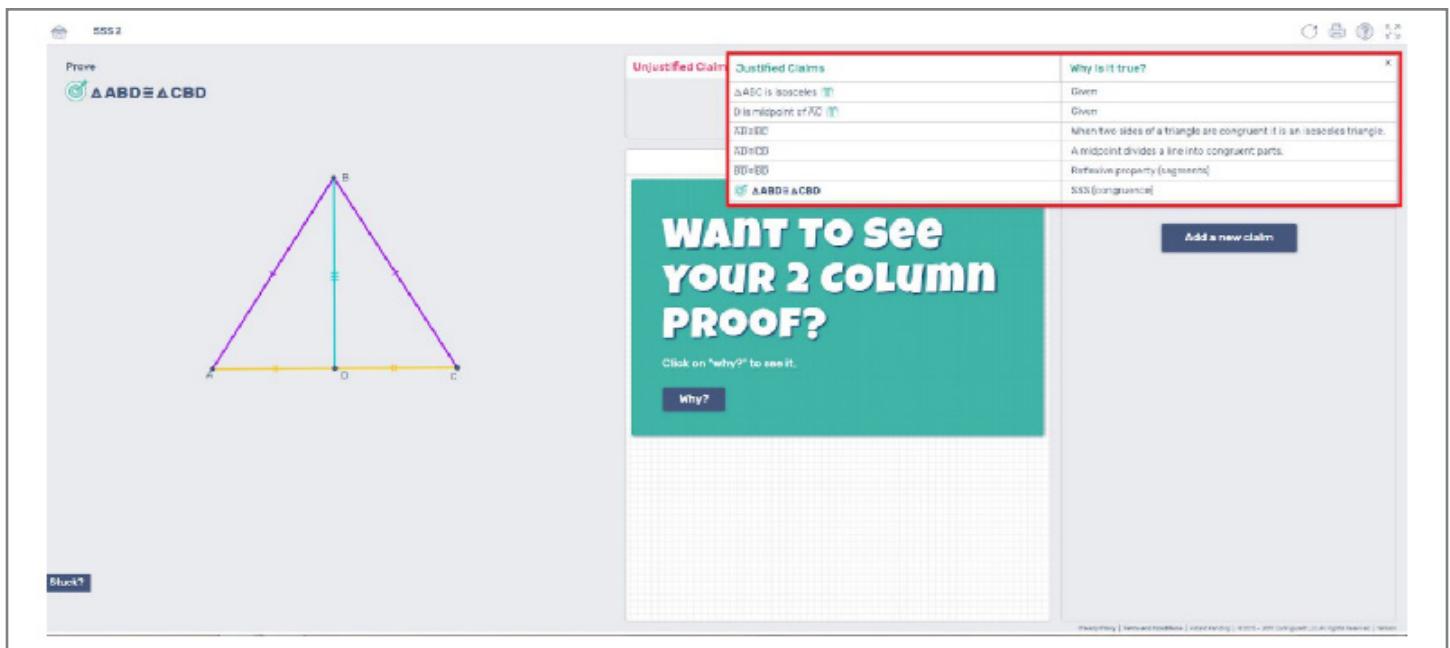
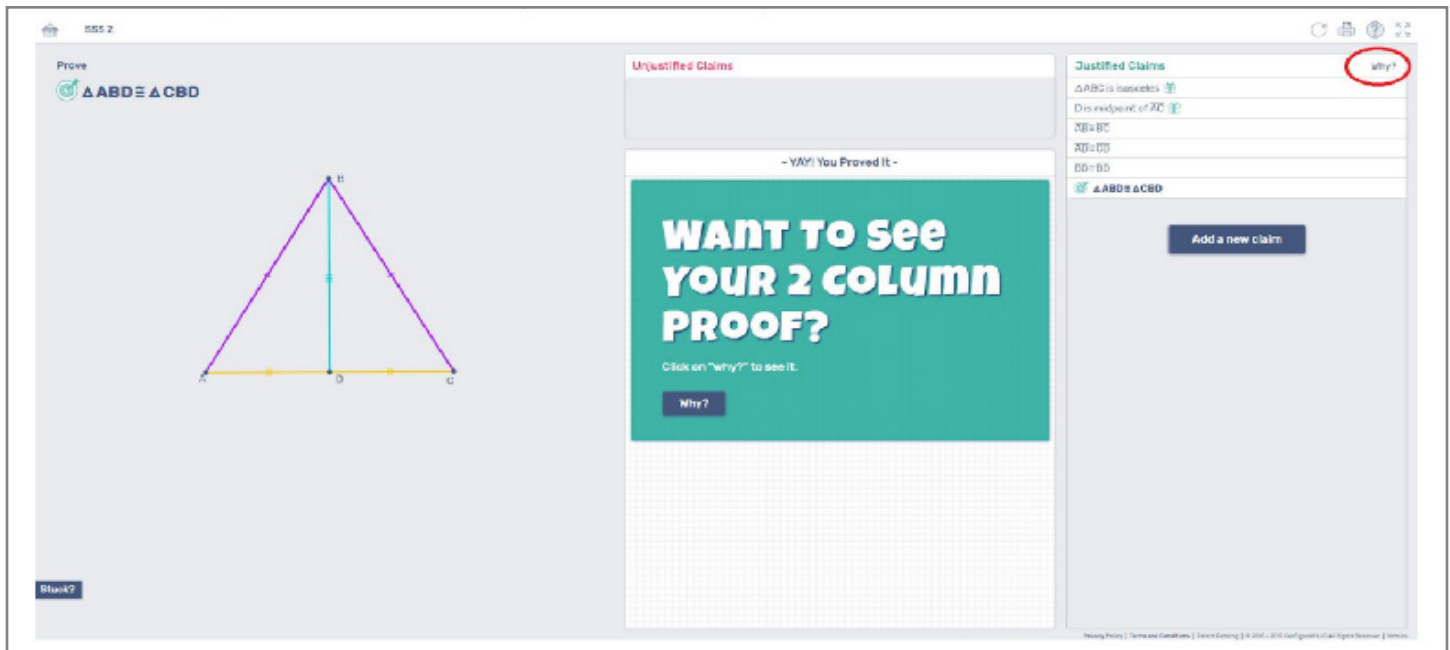
- Unjustified Claims:** A red box highlights the goal  $\triangle ABC \cong \triangle CBD$ .
- Working on an unjustified claim:** A green box highlights the justification process. It shows the goal  $\triangle ABC \cong \triangle CBD$  and a list of justified claims:  $\overline{AB} \cong \overline{CB}$ ,  $\overline{AD} \cong \overline{CD}$ , and  $\overline{BD} \cong \overline{BD}$ . An arrow points down to the goal  $\triangle ABC \cong \triangle CBD$ . Below this, there are buttons for "Justify Label" and "Submit".
- Justified Claims:** A list of justified claims is shown on the right, including  $\triangle ABC \cong \triangle CBD$ .

The screenshot shows the CanFigureIt Geometry interface after the proof is completed. The background is a teal color. The text "WELL DONE!" is displayed in large, bold, white letters. Above it, it says "working on... - You Proved It -". Below the text, there are three icons: a left arrow, a printer, and a house. Below these icons are the labels "Back to your proof", "Print your proof", and "Try another activity".



# Logging Into CanFigureIt Geometry (cont.)

6. At any point, click the "Why" button to see your two column proof (circled in red).



7. For a more in depth walk through of how to work through an activity, watch these videos:

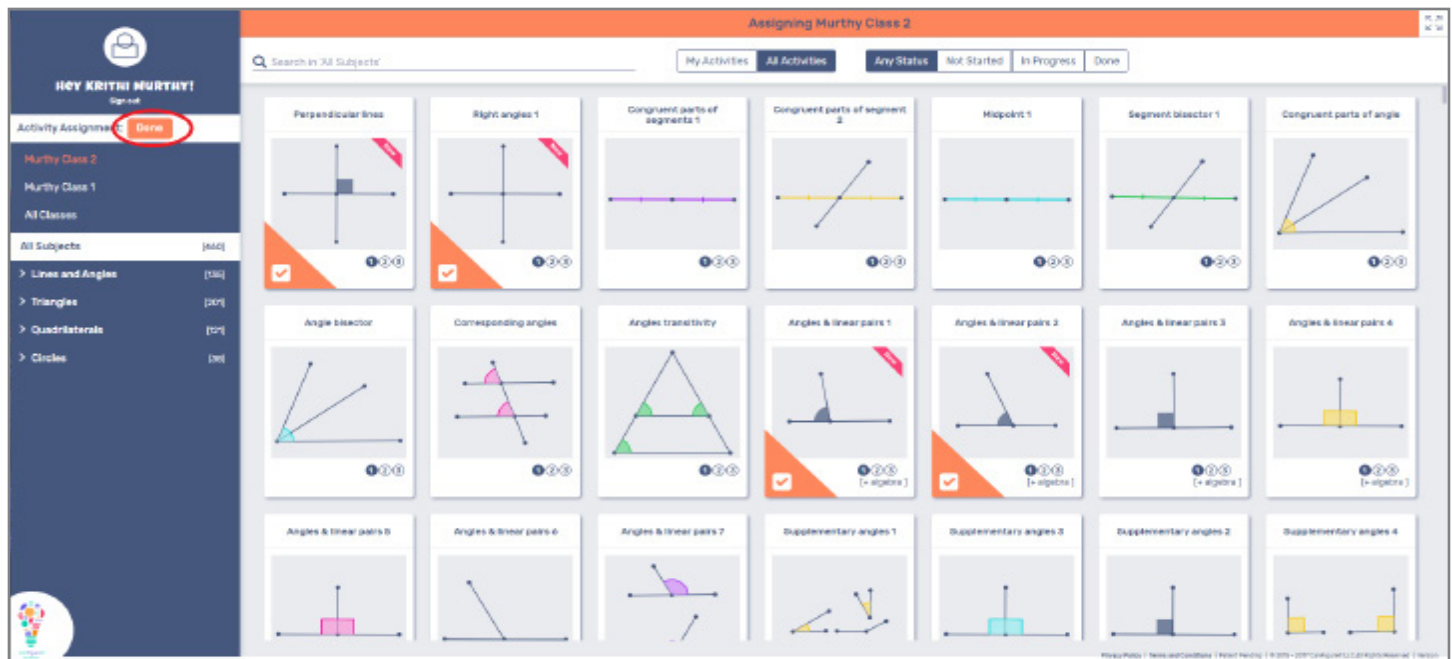
- How To Work Through An Activity: ([https://www.youtube.com/watch?v=feaqw4os\\_MQ&t=3s](https://www.youtube.com/watch?v=feaqw4os_MQ&t=3s))
- How to Use the Algebra Manipulator: (<https://www.youtube.com/watch?v=9gvnIq6PtGo&t=2s>)

# Assigning Activities to Your Classes

1. Log into **CanFigureIt Geometry** at <https://geo.canfigureit.com> with your username and password.

## To assign activities to a specific class:

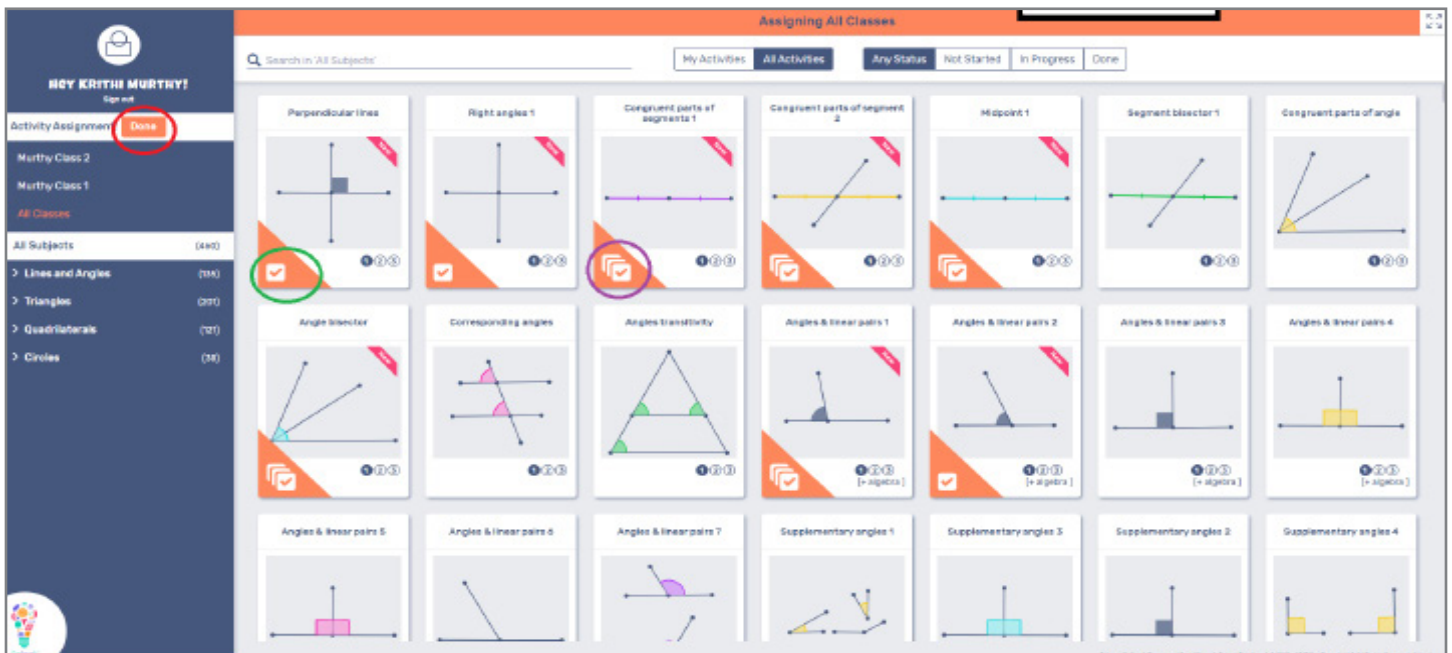
- Click on the specific class to enter **Assignment Mode**.
- Select which activities you would like to assign to the class.
  - You can scroll through the container or filter through the Content Tree.
  - A **single check mark** will indicate the activity has been selected.
- Click the orange **DONE** button (circled in red).
- Your students will find the assigned activities under their "My Activities" tab.



# Assigning Activities to Your Classes (cont.)

## To assign activities to ALL your classes:

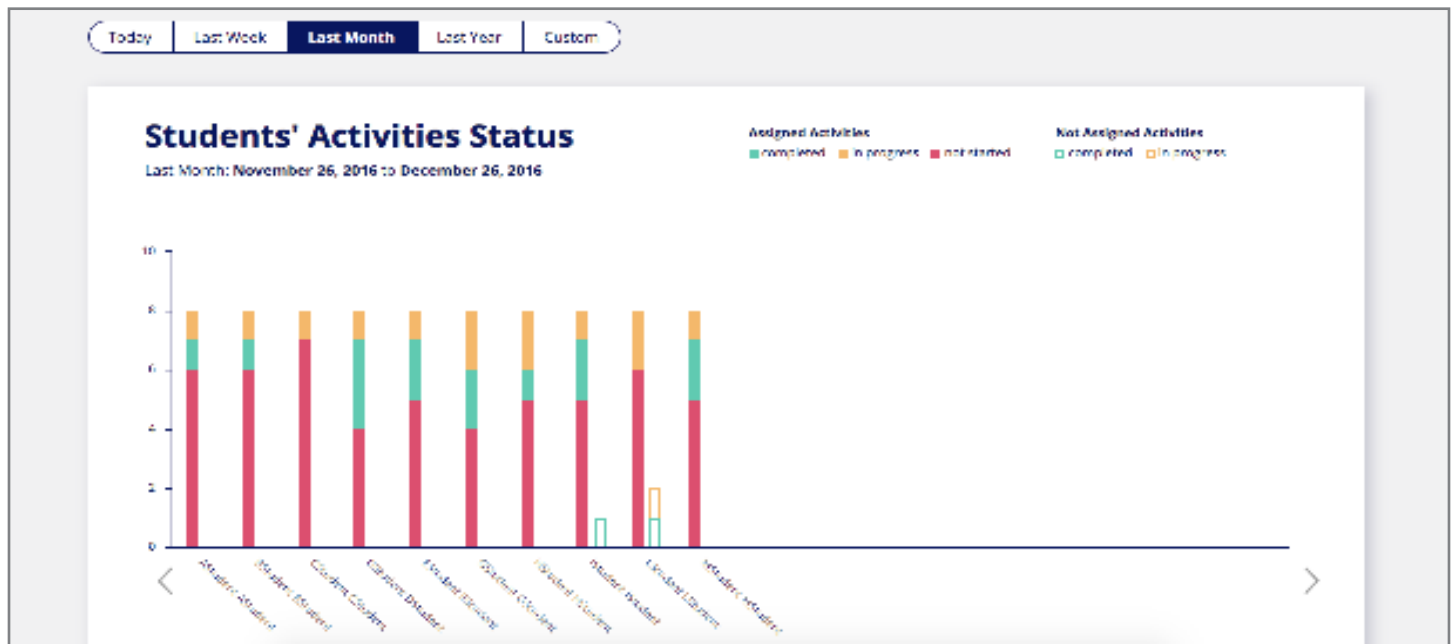
- Click on "All Classes"
- Select which activities you would like to assign to **ALL** classes.
  - A **single check mark** indicates this activity is assigned to **SOME** of your classes, but not all (circled in green).
  - A **triple check mark** indicates this activity is assigned to **ALL** classes (circled in purple).
- Click the orange **DONE** button (circled in red).
- Your students will find the assigned activities under their "My Activities" tab.



# Track Student Progress

**\*Please note:** You will only see reports here when your (registered) students do an activity.

1. Log into the **Teacher Dashboard** at <https://dashboard.canfigureit.com> with your username and password.
2. You can view progress in three different views:
  - a. **Whole Class View**
    - i. A holistic view of the student in your classes. View which students have completed, are in-progress of, and have not started both assigned and unassigned activities.
    - ii. Students will be listed in alphabetical order by Last Name.



## Track Student Progress (cont.)


### b. Activities View

- i. A report that filters by activity. View the student's last event, number of errors, and status by activity name.

**Reports for 1st period ▾**

STUDENTS VIEW    ACTIVITIES VIEW

Last Activity    Choose Activity

ACTIVITY	STUDENT NAME ↑	LAST EVENT	ERRORS	STATUS	DATE
 Alternate exterior angles B	AStudent AStudent	Claim justified	0	<span style="color: orange;">●</span>	12/23/2016
 Alternate exterior angles B	BStudent BStudent	Claim justified	0	<span style="color: orange;">●</span>	12/23/2016
 More than two parallel lines 4 (+Alg)	CStudent CStudent	Claim justified	0	<span style="color: orange;">●</span>	12/23/2016
 More than two parallel lines 11 (+Alg)	DStudent DStudent	Claim justified	6	<span style="color: orange;">●</span>	12/24/2016
 More than two parallel lines 11 (+Alg)	EStudent EStudent	Goal justified	2	<span style="color: green;">●</span>	12/24/2016

### c. Individual Student Drill Down

- i. Drill down into a specific student's progress by clicking their name. View the specific steps, errors, and time taken to complete each activity.

ACTIVITIES VIEW - Last Activity

Try it

Name  
**EStudent EStudent**

Status ● Time 02:59 Date 12/24/2016

ACTIVITIES VIEW - Last Activity

**More than two parallel lines 11 (+Alg)**

level 2

ALL EVENTS TYPE ▾	THEOREM	CLAIM	STEPS
Add a new claim	-	Sum of three angles is 180 degrees	5
Theorem error	 The sum of angles in a triangle is 180°	-	6, 7
Claim justified	 The sum of angles in a triangle is 180°	Sum of three angles is 180 degrees	8
Claim justified	-	Measure of an angle	9