

# You Khan Do It!

## Using Khan Academy to Track Student Progress and Differentiate Learning

Illinois State University New Teacher Conference 2018

Sarah Shivers

LeRoy Elementary

[shiverss@leroyk12.org](mailto:shiverss@leroyk12.org)

This slide presentation reflects the current Khan Academy product offering. Please look out for key product updates on August '18

# Learning objectives and agenda

**Primary objective:**  
To equip you to use Khan Academy  
effectively with your students

## TODAY

Section 1: **Intro** Why Khan Academy?

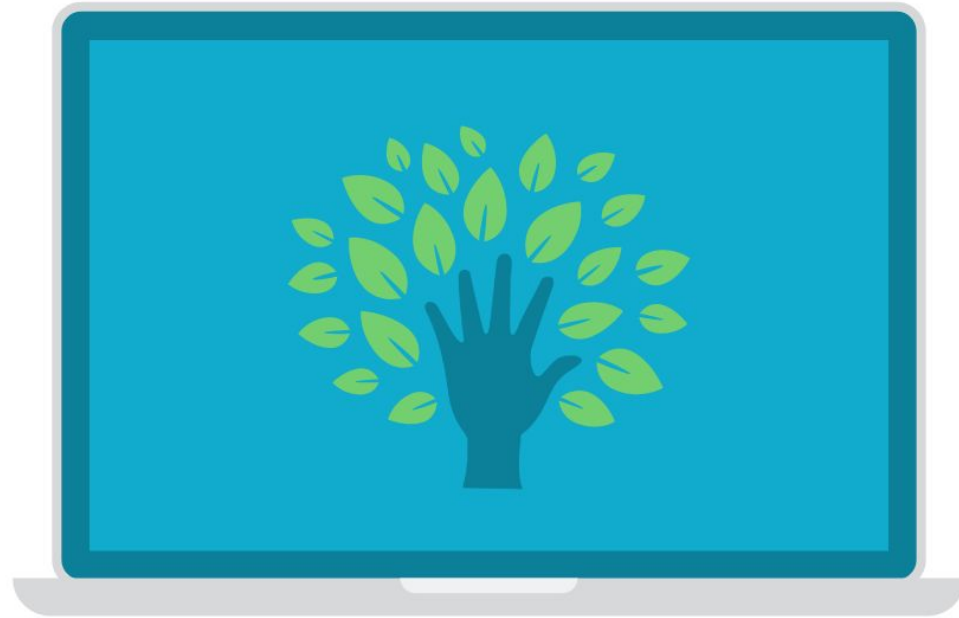
Section 2: **Getting started** technology and features

Section 3: **Implementation** systems, tips, and strategies

Section 4: **Planning** develop a personal plan

Section 5: **Closing & feedback** [survey](#)

# Why Khan Academy



Practice at any level of math. For free.  
Instant feedback for students.  
Data that teachers need.



## Math by subject

[Early math](#) 15%  
[Arithmetic](#) 81%  
[Pre-algebra](#) 66%  
[Algebra 1](#) 10%  
[Geometry](#) 12%  
[Algebra 2](#)  
[Trigonometry](#) 2%  
[Precalculus](#)  
[Statistics & probability](#)  
[AP® Calculus AB](#)  
[AP® Calculus BC](#)  
[AP® Statistics](#)  
[Multivariable calculus](#)  
[Differential equations](#)  
[Linear algebra](#)

## Math by grade

[Kindergarten](#) 15%  
[1st](#) 10%  
[2nd](#) 15%  
[3rd](#) 51%  
[4th](#) 35%  
[5th](#) 42%  
[6th](#) 98%  
[7th](#) 17%  
[8th](#) 2%  
[Eureka Math/EngageNY](#)  
[High school](#)

## Science &amp; engineering

[Physics](#)  
[AP® Physics 1](#)  
[AP® Physics 2](#)  
[Cosmology & astronomy](#)  
[Chemistry](#)  
[AP® Chemistry](#)  
[Organic chemistry](#)  
[Biology](#)  
[High school biology](#)  
[AP® Biology](#)  
[Health & medicine](#)  
[Electrical engineering](#)

## Computing

[Computer programming](#)  
[Computer science](#)  
[Hour of Code](#)  
[Computer animation](#)

## Arts &amp; humanities

[US history](#)  
[AP® US History](#)  
[World history](#)  
[AP® World History](#)  
[AP® US Government & Politics](#)  
[Art history](#)  
[AP® Art History](#)  
[Grammar](#)

## Economics &amp; finance

[AP® Macroeconomics](#)  
[Macroeconomics](#)  
[Microeconomics](#)  
[AP® Microeconomics](#)  
[Finance & capital markets](#)

## Test prep

[SAT](#)  
[LSAT](#)  
[MCAT](#)  
[GMAT](#)  
[IIT JEE](#)  
[NCLEX-RN](#)

## College, careers, &amp; more

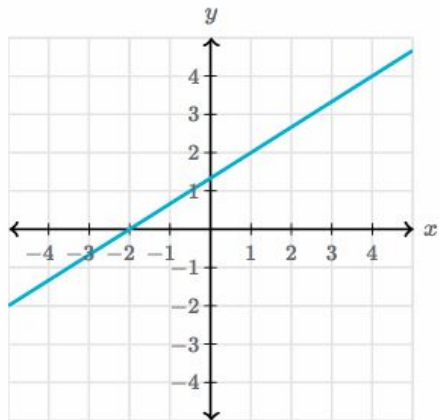
[College admissions](#)  
[Careers](#)  
[Personal finance](#)  
[Entrepreneurship](#)



## Math teacher struggles, edition #36:

“I’m an Algebra 2 teacher, but many of my students still need help calculating the slope.

My core resource / textbook doesn’t cover that, so I spend lots of time looking online for resources.”



What is the slope of the line?

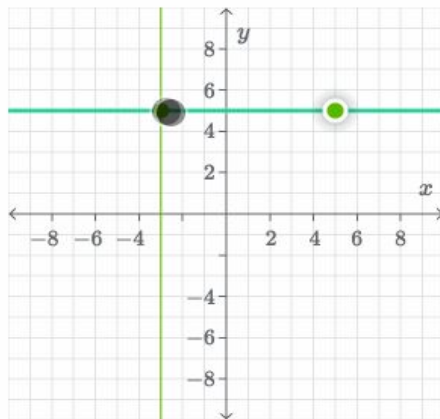


Check

Standard: 8.ee.b.5



Graph  $y = -\frac{1}{3}x + 5$ .



Stuck? [Watch a video](#) or [use a hint](#).



Check

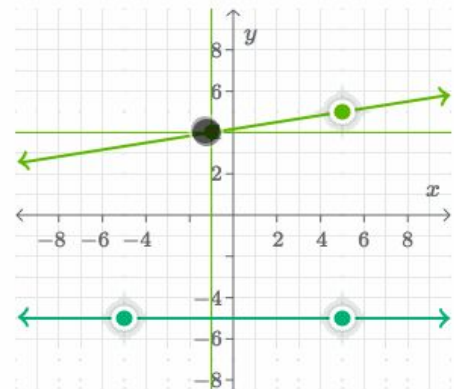
Standard: 8.f.a.3



$$y = \frac{1}{2}x + 3$$

$$y = x + 1$$

Graph the system of equations.



Check

Standard: 8.ee.c.8

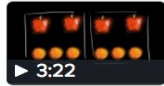
## Math teacher struggles, edition #51:

“My students need lots of practice. And I want them to be practicing the skills correctly. But I really don’t have time to grade and give feedback on all of this formative practice.”

## Related videos



Introduction to ratios



Ratios as fractions

## Still stuck?

Get a hint

Instant feedback for students.

Data that teachers need.

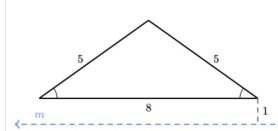
### Report: Rotate 2D shapes in 3D

All students ▾

Sorted by: Number correct

1 Correct: 29%

Consider the following figure:



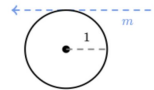
What solid 3D object is produced by rotating the triangle about line  $m$ ?

Choose 1 answer:

- A A cylinder with radius 4 units
- B A cylinder with radius 3 units
- C A cone with radius 4 units
- D A cone with radius 3 units
- E None of the above

2 Correct: 29%

Consider the following figure:



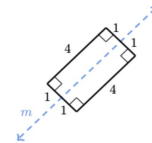
What solid 3D object is produced by rotating the circle about line  $m$ ?

Choose 1 answer:

- A A sphere with radius 2 units
- B A sphere with diameter 2 units
- C A hemisphere (half sphere) with radius 2 units
- D A hemisphere (half sphere) with diameter 2 units
- E None of the above

3 Correct: 33%

Consider the following figure:



What solid 3D object is produced by rotating the rectangle about line  $m$ ?

Choose 1 answer:

- A A cylinder with radius 2 units
- B A cylinder with height 2 units
- C A cone with radius 2 units
- D A cone with height 2 units
- E None of the above

## **Math teacher struggles, edition #64:**

“My students need to retain lots of skills and knowledge for their end of year test. Figuring out how to structure the review days at the end of the year is a challenge.”

Assign 3 items

To

Period 2

All students

By

February 25 2:00 PM

All assignments will have the same due date.

Save Assign (3)

Assign *anything* in seconds.

Quiz 1

Get at least 3 / 5 correct

Level up your skills in these lessons:

[Combining functions](#)

[Composing functions](#)

[Modeling situations by combining and composing functions](#)

Takes about 16 - 21 minutes

Do 5 problems Start quiz

Mixed review quizzes and tests.

# Getting started: technology and features

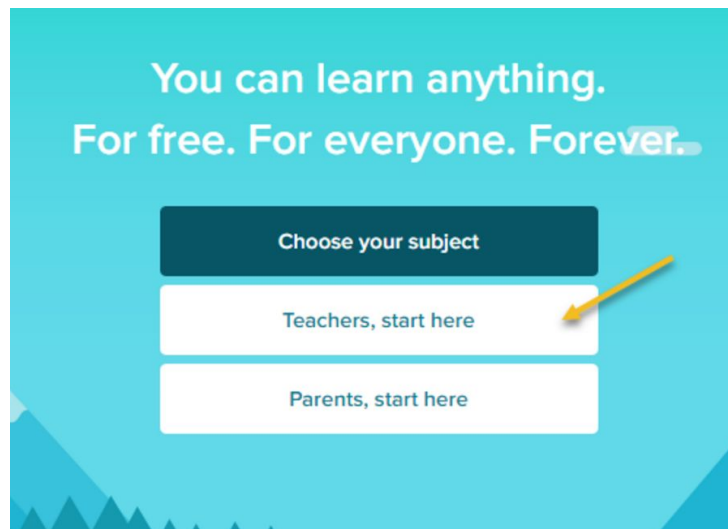
## **Step 1:**

Create an account and set up classes



## CREATE AN ACCOUNT AND SET UP CLASSES

- Go to [khanacademy.org](https://khanacademy.org)
- Click **Teachers, start here**
- Either set up a username and password, or login to an existing account.



## NAME YOUR CLASS

- Consider “Period 1, Period 2, etc.” if applicable
- You can edit class names at any point
- Classes will appear alphabetically on your dashboard

×

Add new class

1. Name class
2. Add subject
3. Add students

Enter your own class name

Class name 0 / 50

e.g., Ms. Smith's 1st period

Import class from Google Classroom

Next

## ADD SUBJECT

- You can change or edit subject at any point.
- You can also assign more than 1 subject.
- Assigning a subject helps us direct you to relevant content, but it doesn't prevent you from using or assigning content from other subjects.

×

Add new class

1. Mr. Herron's 5th period

**2. Add subject**

3. Add students

Math by subject	Math by grade	Science & engineering
<input type="checkbox"/> Early math	<input type="checkbox"/> Kindergarten	<input type="checkbox"/> Physics
<input type="checkbox"/> Arithmetic essentials	<input type="checkbox"/> 1st grade	<input type="checkbox"/> AP Physics 1
<input type="checkbox"/> Pre-algebra	<input type="checkbox"/> 2nd grade	<input type="checkbox"/> AP Physics 2
<input type="checkbox"/> Algebra I	<input type="checkbox"/> 3rd grade	<input type="checkbox"/> Cosmology and astronomy
<input type="checkbox"/> High school geometry	<input type="checkbox"/> 4th grade	<input type="checkbox"/> Chemistry
<input type="checkbox"/> Algebra II	<input type="checkbox"/> 5th grade	<input type="checkbox"/> AP Chemistry
<input type="checkbox"/> Trigonometry	<input type="checkbox"/> 6th grade	<input type="checkbox"/> Organic chemistry
<input type="checkbox"/> Precalculus	<input type="checkbox"/> 7th grade	


[Skip](#) [Next](#)

## ADD OFFICIAL SAT PRACTICE TEACHER TOOLS

- *This option only shows up for secondary subjects.*
- Your students will need to grant you access to their progress the next time they login to Official SAT Practice.

✕ Add new class

1. Mr. Herron's 5th period
2. Chemistry (+ Add SAT)
3. Add students



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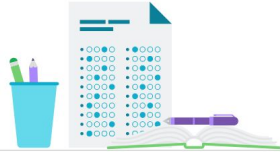
### Add Official SAT Practice teacher tools

Support your students as they prepare for the PSAT/NMSQT® or SAT with Official SAT Practice on Khan Academy. It's 100% free.

In addition to enabling you to review your students' progress, we also:

- Instantly identify the SAT skills your class needs the most help with
- Provide you with classroom lessons created by College Board and fellow teachers

[Learn more](#) about our SAT teacher tools.



Back Skip Add SAT


## ADD STUDENTS

- There are 4 options to add students to your class

×

Add new class

1. Mr. Herron's 5th period
2. Chemistry
- 3. Add students**



Add students by having them to go [khanacademy.org/coaches](https://khanacademy.org/coaches) and type in:

2TRTG5

[Print these instructions](#)

---

Or add students with one of the additional methods below:

- Import from Google Classroom
- Send an email invitation
- Create a Khan Academy account for them (recommended for students under 13)

---

[Back](#) [Skip](#) [Next](#)

## ADD BY CLASS CODE

1. Students need their own accounts
2. Students go to [khanacademy.org/coaches](https://khanacademy.org/coaches) and type in 6-digit code


### Tips:

- Have students join class as a group the 1st time you use Khan Academy.
- Keep class code on whiteboard / poster for transfer or absent students.

×

Add new class

1. Mr. Herron's 5th period
2. Chemistry
3. Add students



Add students by having them to go [khanacademy.org/coaches](https://khanacademy.org/coaches) and type in:

2TRTG5

[Print these instructions](#)

Or add students with one of the additional methods below:

- Import from Google Classroom
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- Create a Khan Academy account for them (recommended for students under 13)

[Back](#) [Skip](#) [Next](#)


## IMPORT FROM GOOGLE CLASSROOM

1. Select an existing class on GC
2. All of the students imported from your Google Classroom will then receive email invitations to join Khan Academy and become students in your Khan Academy class.
3. If a student already has a Khan Academy account registered to the email address used in the Google Classroom, they will be invited to join your class with their existing account

×

Add new class

1. Mr. Herron's 5th period
2. Chemistry
3. Add students



Add students by having them to go [khanacademy.org/coaches](https://khanacademy.org/coaches) and type in:

[Print these instructions](#)

---

Or add students with one of the additional methods below:

- Import from Google Classroom
- Send an email invitation
- Create a Khan Academy account for them (recommended for students under 13)

---

[Back](#) [Skip](#) [Next](#)

## IMPORT FROM GOOGLE CLASSROOM


### Tips:

- Syncing a Khan Academy classroom with a Google Classroom will never delete students from your Khan Academy class. It will only add students who are not already in your Khan Academy class.
- Additionally, syncing will never change your Google Classroom roster.

×

Add new class

1. Mr. Herron's 5th period
2. Chemistry
3. Add students



Add students by having them to go [khanacademy.org/coaches](https://khanacademy.org/coaches) and type in:

[Print these instructions](#)

---

Or add students with one of the additional methods below:

- Import from Google Classroom
- Send an email invitation
- Create a Khan Academy account for them (recommended for students under 13)

---

[Back](#) [Skip](#) [Next](#)




## SEND AN EMAIL INVITATION

- Enter your students' emails into the box provided. Separate each student email with a comma followed by a space.
- Complete the process and click the **Invite students button**.

×

Add new class

1. Mr. Herron's 5th period
2. Chemistry
3. Add students



Add students by having them to go [khanacademy.org/coaches](https://khanacademy.org/coaches) and type in:

[Print these instructions](#)

---

Or add students with one of the additional methods below:

- Import from Google Classroom
- Send an email invitation
- Create a Khan Academy account for them (recommended for students under 13)

---

[Back](#) [Skip](#) [Next](#)


## CREATE A KHAN ACADEMY ACCOUNT FOR THEM

1. Allows you to choose usernames for each student
2. Requires parents to confirm the account setup by email
3. Download .csv file to get a copy of student names, usernames, and passwords and save it! This will be critical for students who forget their login information.

×

Add new class

1. Mr. Herron's 5th period
2. Chemistry
3. Add students



Add students by having them to go [khanacademy.org/coaches](https://khanacademy.org/coaches) and type in:

2TRTG5

[Print these instructions](#)

---

Or add students with one of the additional methods below:

- Import from Google Classroom
- Send an email invitation
- Create a Khan Academy account for them (recommended for students under 13)

---


[Back](#) [Skip](#) [Next](#)

Your class is now completely set up.

You're ready to browse our resources and start finding content for your students!

✕ **Class created**

1. Mr. Herron's 5th period
2. Chemistry
3. Add students



**Class created! Next steps:**



Find exercises, videos, and articles for your class



Assign them to your students



View your class page to track student progress

[Find Chemistry content to assign](#)

[Go to my class](#)

# Your turn to try.

- ❑ Create a “demo class” for this training session.
- ❑ When you get done creating the class, give your class code to 2 other teachers to join your class as ‘students’
- ❑ Join the presenter’s class.  
Class code: **5BEFNPQW**

# Step 2: Manage rosters

# EDIT CLASS SETTINGS

[< Back to all classes](#) Class code  
**ATPGGZ**

**Period 1: US history: US history** ▾

[Assignments](#) [Activity](#) [Roster](#) [Settings](#)

---

**Settings** [Delete this class](#)

**Class name**

**Subject**  
US history [Change subject](#)

**SAT test preparation**

Turn on SAT test preparation reporting

**Sync with Google Classroom**

Sync with Google Classroom

**Email**

**Subscribe to a weekly class summary**

# BULK ACTIONS

Assignments Activity **Roster** Settings

Your students (9) Add new students **Actions (5)** ▾

STUDENT NAME ▾	USERNAME / EMAIL	
Becca Zimmerman		<input type="checkbox"/>
Bee Quesada		<input type="checkbox"/>
Eirene Chen		<input checked="" type="checkbox"/>
Harsha Dronamraju		<input type="checkbox"/>
LeDuc, Laurie		<input checked="" type="checkbox"/>
Rosie Friedland		<input checked="" type="checkbox"/>
Santhosh Balasubramanian		<input type="checkbox"/>
Sophie Turnbull		<input checked="" type="checkbox"/>
Tracee Miller		<input checked="" type="checkbox"/>

**2 Choose Actions** →

**3 You can select Add to class, Remove from class, or Stop coaching** →

**1 Select student(s)** →

- Add to class
- Remove from class
- Stop coaching

## EDIT USERNAMES

- Create easily identifiable, standardized usernames for students

Your students (9)		<a href="#">Add new students</a>	Actions ▾
STUDENT NAME ▾	USERNAME / EMAIL		<input type="checkbox"/>
<a href="#">Becca Zimmerman</a>			<input type="checkbox"/>
<a href="#">Bee Quesada</a>			<input type="checkbox"/>
<a href="#">Eirene Chen</a>			<input type="checkbox"/>
<a href="#">Harsha Dronamraju</a>			<input type="checkbox"/>
<a href="#">LeDuc, Laurie</a>		<a href="#">Edit display name</a>	<input type="checkbox"/>
<a href="#">Rosie Friedland</a>			<input type="checkbox"/>
<a href="#">Santhosh Balasubramanian</a>			<input type="checkbox"/>
<a href="#">Sophie Turnbull</a>			<input type="checkbox"/>
<a href="#">Tracee Miller</a>			<input type="checkbox"/>



# Step 3: Navigate the site

# GO TO COACH DASHBOARD HOMEPAGE

The screenshot shows the Khan Academy Coach Dashboard homepage. At the top, there is a navigation bar with 'Subjects', a search bar, the 'Khan Academy' logo (circled with a yellow box and labeled '1'), and the user name 'davidherron'. Below the navigation bar is a blue header with 'Welcome, davidherron' and 'Add your school'. A secondary navigation bar contains 'Classes', 'Students', and 'Resources' (labeled with a yellow box and '2'). The main content area features a large yellow banner for 'LearnStorm' with a rocket icon and text: 'Have your students build growth in the school year', 'LearnStorm is a six-week learning challenge. Win prizes and build strong learning habits. LearnStorm begins Sep 12. [Learn more.](#)' and a purple 'Register for LearnStorm' button. A dropdown menu is open, showing options: 'Notifications · 0', 'Profile', 'Learning home', 'Coach dashboard' (circled with a yellow box), 'Your children', 'Settings', 'Help', and 'Log out'. Below the banner is a 'Your classes' section with an 'Add new class' link and a class card for 'Period 1 US history' with 9 students.

## Roles

I am using Khan Academy as a:

- Learner
- Teacher/Coach
- Parent

Which page do you want as your homepage?

Homepage

## SWITCH EASILY BETWEEN CLASSES

The screenshot shows the top navigation bar of the Khan Academy interface. On the left, there is a 'Subjects' dropdown menu and a search bar. The user's name 'davidherron' is displayed on the right. Below the navigation bar, there is a blue header area with a '< Back to all classes' link and a 'Class code 97ME7M' on the right. A yellow arrow points to a dropdown menu labeled 'Period 3: Biology'. The dropdown menu lists several class options: 'Period 1: US history: US history', 'Period 2: US history', 'Period 3: Biology' (which is selected with a checkmark), 'Period 4: Algebra 1: Algebra I', 'Period 5 Geometry: High school ge...', 'Period 6 AP Calculus AB: AP Calcul...', and 'Period 7 SAT Prep: 7th grade'. Below the dropdown menu, there is a blue button that says 'Find Biology content to assign'. The main content area shows a table with columns for 'DUE DATE & TIME', 'ASSIGNED ON', and 'COMPLETED'. The table is currently empty.

Subjects Search Q KHANACADEMY davidherron

< Back to all classes Class code 97ME7M

Period 3: Biology

- Period 1: US history: US history
- Period 2: US history
- ✓ Period 3: Biology
- Period 4: Algebra 1: Algebra I
- Period 5 Geometry: High school ge...
- Period 6 AP Calculus AB: AP Calcul...
- Period 7 SAT Prep: 7th grade

Find Biology content to assign

oster Settings

biology Active Past Draft

DUE DATE & TIME ASSIGNED ON COMPLETED

## CLASS TABS

**Progress** shows Missions data. This tab only shows up if you assign a math subject to your class.

**SAT** shows Official SAT Practice data. This tab only shows up if you turn on SAT test preparation.

< Back to all classes

Period 2: Algebra II

Class code HUYHH

Assignments **Progress** Activity **SAT** Roster Settings

Settings [Delete this class](#)

Class name  
Period 2 [Save](#)

Subject  
Algebra II [Change subject](#)

SAT test preparation

Turn on SAT test preparation reporting

Sync with Google Classroom

Sync with Google Classroom

Email

Subscribe to a weekly class summary

**Note:** The **Assignments**, **Activity**, **Roster**, and **Settings** tabs show up for every class.

2

1

Subjects Search

KHANACADEMY

Mr. Herron

Welcome, Mr. Herron  
Add your school

Classes Students Resources

Notifications · 0

Profile

Learning home 3

Coach dashboard

Add children

Settings

Help

Log out

Your classes

Period 1: US history  
US history  
30 students

1. View your classes, assignments, students
2. Browse content, make assignments
3. Preview student homepage

# Step 4: Make assignments



Assign: to KA Test ▾ All students ▾ by Jun 19th, 11:59 PM ▾

Save

Assign

ARITHMETIC (ALL CONTENT) >  
NEGATIVE NUMBERSIntro to adding negative  
numbersAdding negative numbers  
exampleAdding numbers with  
different signs

Practice: Signs of sums

Practice: Adding negative  
numbersAdding negative numbers  
review

Next tutorial

[Intro to subtracting negativ...](#)

Find t

June 2017						
Su	Mo	Tu	We	Th	Fr	Sa
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	1

11:59 PM Clear

-29)



**Create an assignment:** Choose a video, article or exercise. Use the assignment toolbar at the top of the screen to select a class, student(s), and due date. Then, click **“Assign.”**

## Assignments for Period 2: Chemistry

[Active](#) [Past](#) [Saved](#)

ASSIGNMENT NAME	DUE DATE & TIME ▾	ASSIGNED ON	COMPLETED
<b>Preparing to study chemistry</b> Article	Tomorrow, 11:59 PM	Today	0 / 10

[Find Chemistry content to assign](#)

- Actions ▾
- Edit
  - Copy
  - Delete

**Edit:** Editing an assignment allows you to adjust the due date and the specific group of students within a class who received the assignment.



Assign: to Period 3 ▾ All students ▾ by Jul 28th, 5:00 PM ▾ Save Assign

**July 2017** ▶

Su	Mo	Tu	We	Th	Fr	Sa
25	26	27	28	29	30	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

5:00 PM

Which property of water allows it to cool the body by evaporating body heat with sweat?

Choose 1 answer

- (A) Cohesive
- (B) Surface
- (C) Heat of vaporization

[Go to lesson page](#)

**Save:** Saving an assignment allows you to prepare assignments ahead of time to post to your classes later.

**Assignments**

Activity

SAT

Roster

Settings

**Assignments for Period 3: Biology**

Active Past

**Draft**

ASSIGNMENT NAME

DUE DATE &amp; TIME ▾

SAVED ON

STUDENTS

**Temperature and state changes in water**

Tomorrow, 5:00 PM

Yesterday

9 Students

Exercise

**Assign** ▾

**Save:** Saved assignments will show up on the **Drafts** tab of your Assignments page. When you are ready to post the assignment for students, click **Assign**.

## Assignments for Period 2: Biology

Active Past Draft

ASSIGNMENT NAME	DUE DATE & TIME ▾	ASSIGNED ON	COMPLETED
<b>Capillary action and why we see a meniscus</b> Video	Monday, 8:00 AM		
<b>Surface tension</b> Video	Monday, 8:01 AM		
<b>Cohesion and adhesion of water</b> Article	Monday, 8:02 AM		
<b>Cohesion, adhesion, and surface tension</b> Exercise	Monday, 8:03 AM		

**Sequence:** Assignments show up in order by due date. Consider choosing slightly different due dates to guarantee students see your assignments in the exact order you intend.

# Watch live.

Your trainer will make 2-3 assignments for you as part of the demo course.

## Your turn to try.

Browse Khan Academy's content for your subject. Then, assign 1 exercise for the 'students' in your demo class.

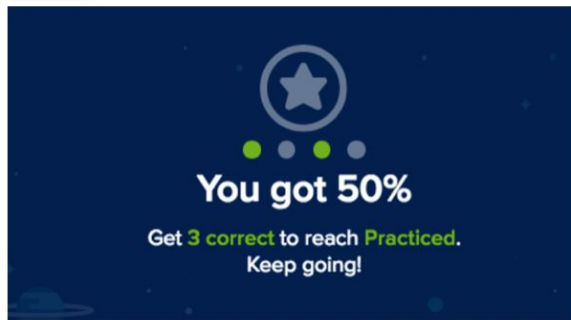
# **Step 5:** Understand student experience

## Upcoming assignments

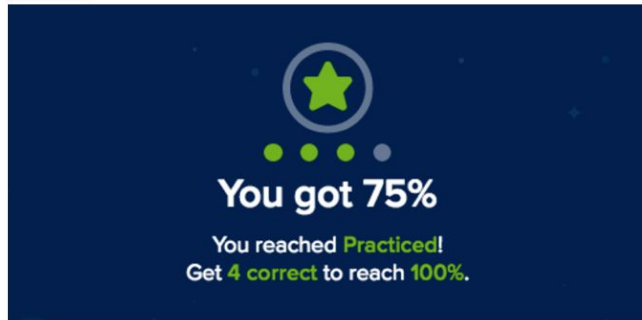
ASSIGNMENT NAME	DUE DATE & TIME ▾	CLASS	SCORE	STATUS
<b>Capillary action and why we see a meniscus</b> Video	Monday, 8:00 AM	Period 2	–	<a href="#">Start</a>
<b>Surface tension</b> Video	Monday, 8:01 AM	Period 2	–	<a href="#">Start</a>
<b>Cohesion and adhesion of water</b> Article	Monday, 8:02 AM	Period 2	–	Completed Today
<b>Cohesion, adhesion, and surface tension</b> Exercise	Monday, 8:03 AM	Period 2	20%	<a href="#">Try again to beat your score</a>

**Assignments** show up for students right when they log in to Khan Academy.

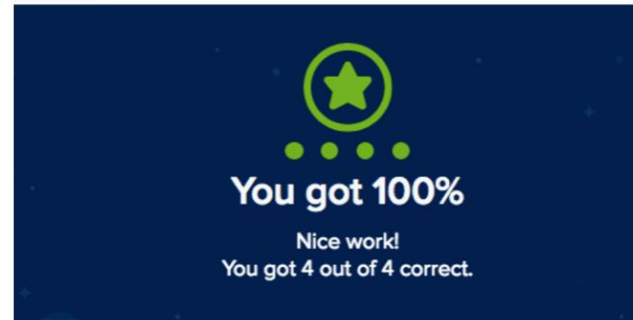
**1** Less than 70% correct



**2** Between 70-100% correct



**3** 100% correct



When a student reaches 70%, it counts as **Practiced**. Teachers can encourage all students to reach for 100% to improve their mastery of topics.



**Your turn to try.** Your presenter made 2-3 assignments for you, and another teacher also made 1 assignment.

Spend 5 minutes pretending to be a student and working on the assignments.

# Step 6: View assignment reports



## Assignments for Period 2: 7th grade math: 7th grade (Eureka Math/EngageNY)

Active [Past](#) Draft

ASSIGNMENT NAME	DUE DATE & TIME ▾	ASSIGNED ON	COMPLETED	
<a href="#">Complementary &amp; supplementary angles</a> Video	June 28th, 5:00 PM	June 27th	3 / 9	<a href="#">Actions ▾</a>
<a href="#">Complementary and supplementary angles review</a> Article	June 28th, 11:59 PM	June 27th	4 / 10	<a href="#">Actions ▾</a>

## VIDEO AND ARTICLE REPORT



## Video: Complementary & supplementary angles

3 / 9 | Due: 06/28/2017

STUDENT ▾	DATE & TIME COMPLETED
Bee Quesada	–
LeDuc, Laurie	06/27/2017
Santhosh Balasubramanian	–
Tracee	06/27/2017
beccazimmerman	–
eirenechen	–
ravi	–
rosie	–
sophie	06/27/2017

### VIDEO AND ARTICLE REPORT

Shows completion data. Consider pairing with an in-class check for understanding or Khan Academy exercise to see how well students understand the concept.

### Assignments for Period 2: High school geometry

Active Past Draft


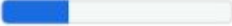

ASSIGNMENT NAME	DUE DATE & TIME ▾	ASSIGNED ON	COMPLETED	
<b>Complementary &amp; supplementary angles</b> Video	Jun 28th, 5:00 PM	Jun 27th	3 / 9	<a href="#">Actions ▾</a>
<b>Complementary and supplementary angles review</b> Article	Jun 28th, 11:59 PM	Jun 27th	4 / 10	<a href="#">Actions ▾</a>
<b>Identifying supplementary, complementary, and vertical angles</b> Exercise	Jun 28th, 11:59 PM	Jun 27th	8 / 10	<a href="#">View report</a> <a href="#">Actions ▾</a>

## EXERCISE REPORT



## Exercise: Identifying supplementary, complementary, and vertical angles

8 / 10 | Due: 06/28/2017

STUDENT ▾	DATE & TIME COMPLETED	NUMBER CORRECT / NUMBER ANSWERED	
Becca Zimmerman	06/27/2017	5 / 7 	<a href="#">View report</a>
Bee Quesada	06/27/2017	2 / 7 	<a href="#">View report</a>
Eirene Chen	06/27/2017	5 / 7 	<a href="#">View report</a>
Harsha Dronamraju	-	-	
LeDuc, Laurie	06/27/2017	6 / 7 	<a href="#">View report</a>
Rosie Friedland	-	-	
Santhosh Balasubramanian	06/27/2017	6 / 7 	<a href="#">View report</a>
Sophie Turnbull	06/27/2017	5 / 7 	<a href="#">View report</a>
Tracee Miller	06/28/2017	7 / 7 	<a href="#">View report</a>



Shows the best score per student for each exercise.



Shows each problem the student got right and wrong.

### EXERCISE REPORT

### Assignments for Period 2: High school geometry

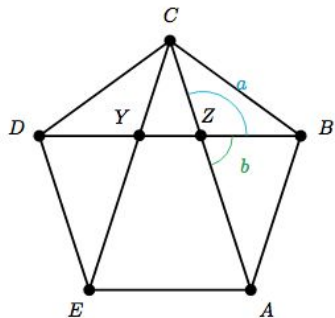
Active Past Draft

ASSIGNMENT NAME	DUE DATE & TIME ▾	ASSIGNED ON	COMPLETED	
<b>Complementary &amp; supplementary angles</b> Video	Jun 28th, 5:00 PM	Jun 27th	3 / 9	<a href="#">Actions ▾</a>
<b>Complementary and supplementary angles review</b> Article	Jun 28th, 11:59 PM	Jun 27th	4 / 10	<a href="#">Actions ▾</a>
<b>Identifying supplementary, complementary, and vertical angles</b> Exercise	Jun 28th, 11:59 PM	Jun 27th	8 / 10	<a href="#">View report</a> <a href="#">Actions ▾</a>

## INDIVIDUAL PROBLEM REPORT

1 Correct 1 / 4

What is the relationship between  $\angle a$  and  $\angle b$ ?

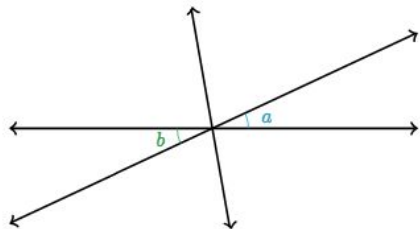


Choose 1 answer:

- (A) Vertical angles
- (B) Complementary angles

2 Correct 2 / 6

What is the relationship between  $\angle a$  and  $\angle b$ ?

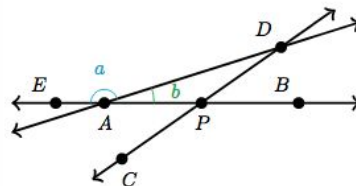


Choose 1 answer:

- (A) Vertical angles
- (B) Complementary angles
- (C) Supplementary angles
- (D) None of the above

3 Correct 1 / 3

What is the relationship between  $\angle a$  and  $\angle b$ ?



Choose 1 answer:

- (A) Vertical angles
- (B) Complementary angles
- (C) Supplementary angles
- (D) None of the above

Shows how students performed on each problem

INDIVIDUAL PROBLEM REPORT



1  
Select any problem

1 Correct 6 / 9

What is the relationship between  $\angle a$  and  $\angle b$ ?

Choose 1 answer:

- A Vertical angles
- B Complementary angles
- C Supplementary angles
- D None of the above

2 Correct 4 / 7

What is the relationship between  $\angle a$  and  $\angle b$ ?

Choose 1 answer:

- A Vertical angles
- B Complementary angles
- C Supplementary angles
- D None of the above

3 Correct 2 / 5

What is the relationship between  $\angle a$  and  $\angle b$ ?

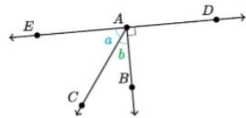
Choose 1 answer:

- A Vertical angles
- B Complementary angles
- C Supplementary angles
- D None of the above

# PROJECTOR VIEW

× Problem 1

What is the relationship between  $\angle a$  and  $\angle b$ ?



Choose 1 answer:

- A Vertical angles
- B Complementary angles
- C Supplementary angles
- D None of the above

Show step (3)

2  
Select for full-screen viewing

**Your turn to try.**

Spend a few minutes looking over your assignment reports.

## TODAY

Section 1: **Intro** Why Khan Academy?

Section 2: **Getting started** technology and features

Section 3: **Implementation** systems, tips, and strategies

Section 4: **Planning** develop a personal plan

Section 5: **Closing & feedback survey:** <http://bit.ly/2vsmz5f>

# **IMPLEMENTATION:** systems, tips, and strategies

## GUIDING QUESTION

- What need might Khan Academy address in my classroom?



## FACTORS TO CONSIDER

- Device access at school
- Internet access outside of school
- Other resources used frequently
- Skill levels of students



## MODEL 1: LESSON-ALIGNED PRACTICE

- In-class
- Guided practice / independent practice
- 2-3x / week for ~20 minutes

## MODEL 1: LESSON-ALIGNED PRACTICE

- In-class
- Guided practice / independent practice
- 2-3x / week for ~20 minutes

## MODEL 2: TOPIC REVIEW / SPIRAL REVIEW

- In school (could be computer lab)
- Unit review or remediation
- 2-3x / month for entire period



## MODEL 1: LESSON-ALIGNED PRACTICE

- In-class
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- 2-3x / week for ~20 minutes

## MODEL 2: TOPIC REVIEW / SPIRAL REVIEW

- In school (could be computer lab)
- Unit review or remediation
- 2-3x / month for entire period

## MODEL 3: HOMEWORK

- Outside of school, discussed in class
- Frequency determined by teacher

## MODEL 1: LESSON-ALIGNED PRACTICE

- In-class
- Guided practice / independent practice
- 2-3x / week for ~20 minutes

## MODEL 3: HOMEWORK

- Outside of school, discussed in class
- Frequency determined by teacher

## MODEL 2: TOPIC REVIEW / SPIRAL REVIEW

- In school (could be computer lab)
- Unit review or remediation
- 2-3x / month for entire period

## MODEL 4: SELF-PACED PRACTICE

- In-class or out-of-class
- Math-focused (Missions / MAP Recommended Practice)
- Frequency determined by teacher

## TODAY

Section 1: **Intro** Why Khan Academy?

Section 2: **Getting started** technology and features

Section 3: **Implementation** systems, tips, and strategies

Section 4: **Planning** develop a personal plan

Section 5: **Closing & feedback survey:** <http://bit.ly/2vsmz5f>

# What if I forget everything before school starts?

Classes Students Resources


## Khan Teacher Training

- ✓ Get started
- ✓ Learn classroom strategies
- ✓ Tour the product
- ✓ Plan for your class
- ✗ Next drawing on June 30!

**Way to go! You're eligible to win a trip to the Khan Academy offices!**

We'll have our first drawing on June 30th and email you with the results. You've also earned a certificate of proof that you've completed Khan Teacher Training!

[Extra credit](#) [Download your certificate](#)



## Khan Teacher Training

Welcome, Sarah Shivers  
LeRoy Elementary School

Classes Students Resources

**Explore new features**  
1 of 2 complete

New on Khan Academy (fall 2017)  
Content tab for teachers (2018)

**K-12 teachers**  
22 of 49 complete

Explore what's possible with Khan Academy in your classroom!

- Getting started
- Our content
- Assignments
- Implementation
- Math teachers
- Official SAT Practice
- Teaching Computer Programming
- Safety, privacy, and additional re...
- Khan Teacher Training
- Limited time in-school programs
- Khan Academy aligned to Big Ide...

## Resources Tab

Survey link:

<https://bit.ly/2JV0uYb>



Contact me with questions  
or schedule future  
trainings with your teams!

[shiverss@leroyk12.org](mailto:shiverss@leroyk12.org)