



How-to guide: review and test prep

Classroom strategy and implementation

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Introduction to review and test prep



Welcome teachers!

Since you've made your way to this guide, you must be ready to learn about using Khan Academy for review and test prep! We understand how challenging it can be to help a classroom full of students with diverse skill levels and misconceptions achieve mastery of a large number of standards.

Help is on the way! When you add Khan Academy to your routine it becomes easy to differentiate review to meet each child's needs. Students can work independently on the exact skills they need to master and get immediate feedback and clarification along the way. This frees up extra time for you to provide one-on-one support. And teachers who need to reserve a school computer lab find that with this model they can set up a schedule of assignments that works well for them and their students.

In this guide, you'll find tips and ideas from real teachers who use Khan Academy for test prep and review. Think of their educator-to-educator advice as a starting point for getting up and running quickly and easily. As you and your students become more familiar with Khan Academy, you can adapt the review model to fit your own style as well as the needs of your students.

Let's explore using Khan Academy for review and test prep!

Incorporating Khan Academy into your review routine

How can I use Khan Academy for review?

Many teachers find it effective to bundle review topics twice a month. For example, a teacher may assign five videos, two articles, and five exercises all at once and specify a due date one to two weeks later. Students can either complete all of the work during class periods or begin the review assignment in class, but finish it on their own time. It's up to you!

When should I use Khan Academy for review?

Setting aside an entire class period for review twice each month is a great way to use Khan Academy. For example, you might use Khan Academy every other Friday for a 60-minute period.

What content should I assign?

Depending on where each student is, you may decide to assign remediation content, on-grade-level content, or above-grade-level content. To learn more about differentiation, download our differentiation and remediation how-to guide (bit.ly/2rqEp8s).

How do I choose which topics to assign?

You can use the reports available on your Coach dashboard to determine which topics are most important for your students to review. Then, search Khan Academy for content aligned with those concepts.

Example teacher routine

As you become more familiar with Khan Academy's resources, you'll develop a routine that fits your specific needs. But in the beginning, it can be helpful to know how other teachers have used our materials for review.

Before the lesson

About twice a month, try spending 30 to 45 minutes browsing resources and assigning review material to individual students, groups of students, or your entire class.

During the lesson

During the period you've set aside for review, students can practice their assigned review exercises either in the computer lab or on devices in the classroom. Make sure to encourage students to watch supporting videos and use hints to persist through problems that are challenging. While most of your class works independently, you may want to provide extra support to any students who you've identified as candidates for more intensive remediation. Monitoring the Activity tab is a great way to see if students are on task. During the last few minutes of class, consider asking students to reflect on the day's assignments. A good writing prompt might be, "Which topic did you find most challenging, and what did you do when you felt stuck?"

When the assignment is due

Set the due date for your review assignment to coincide with a formal assessment so you can assess the skills practiced on Khan Academy alongside performance on an assessment you or your grade-level team has designed.

Practical tips from current classroom teachers

Use the Content tab to preview and assign a mix of videos, articles, and exercises to review.

Khan Academy's database includes more than 10,000 standards-based practice problems and related articles and videos. While there are multiple ways to find the right content, most teachers prefer to browse and assign content using the Content tab because it allows you to perform multiple functions on one page.

- View an entire subject from within your Coach dashboard.
- Make a single assignment that includes multiple pieces of content from any combination of subjects and units.
- Preview all content before assigning it—videos, articles, and even the exact problems in a given exercise, quiz, or unit test.

Once you have chosen the resources you want, select the classes, students, and due date you would like to associate with the assignment.

You can either assign the review material immediately or save your selections to assign later.

Content tab

Content Assignments Progress Activity SAT Roster Settings

5th grade ▾ Assign (24)

5th grade ▾

6th grade ▾

Change subjects

Common fractions and decimals ▾ Learn about common fractions and their decimal forms like $1/2 = 0.5$, $3/4 = 0.75$, and $2/5 = 0.4$.

Common fractions and decimals - Preview Become familiar with common fractions and decimals and converting between them. Video - 5 min

Common fractions and decimals - Preview Build intuition behind memorizing the decimal form of common fractions like that $1/2$ equals 0.5 or $3/4$ equals 0.75 . Article

Common fractions and decimals - Preview Practice converting between the fraction and decimal form of common numbers like 0.5 or $3/4$. Exercise - 14 questions

Preview a resource

Preview: Common fractions and decimals See student view

Students will do 14 of these 15 questions

Without using a calculator, convert the fraction to a decimal.
 $\frac{1}{2} =$ []

Without using a calculator, convert the fraction to a decimal.
 $\frac{1}{4} =$ []

Without using a calculator, convert the fraction to a decimal.
 $\frac{2}{4} =$ []

Without using a calculator, convert the fraction to a decimal.
 $\frac{3}{4} =$ []

Without using a calculator, convert the fraction to a decimal.
 $\frac{1}{5} =$ []

Without using a calculator, convert the fraction to a decimal.
 $\frac{2}{5} =$ []

Select the classes, students, and due date

Assign 2 items

To

2 classes

Period 1

Period 2

Period 3

Period 4

Period 6

Period 8

To

Period 1

26 students

Select all (28)

Aaliyah Jones

Alexei Popov

Amit Singh

By

March 2 3:00 PM

All assignments will have the same due date.

Save Assign (2)

Supplement your observations with Khan Academy reports to help differentiate review.

Khan Academy provides a range of reports that help you meet the diverse needs of all your students while ensuring they remain engaged and motivated during review. Reports can be used to see performance by item, exercise, quiz, test, skill, or standard at the class, subgroup, or individual student level.

Differentiation starts in the Content tab when making assignments. Based on previous performance on similar exercises, you can easily assign tailored bundles of review topics to subgroups with similar needs, or even to specific individuals.

For example, you might want a handful of students to complete a video, article, and exercise on the area of triangles while others in the class simultaneously review more complex shapes. Or perhaps you decide to assign one group of students less material because you intend to spend extra time tutoring them during the in-class review period.

Use up-to-the-minute reports during class to take action.

Once the review session begins, keep an eye on the exercise performance reports to see if a significant portion of the class is struggling with a specific skill. If a topic is particularly challenging, you may decide to pause and model a problem for the whole class, carve out time for extra review during a subsequent class period, or offer an after-school review opportunity.

Report filter

Period 6 | Assignments

Report: Identifying supplementary, complementary, and vertical angles

4 students

- Select all (8)
- Select none
- Blair Walsh
 - Darcy Martin
 - Aaliyah Jones
 - Celine Leroy
 - Ana Maria Rodriguez
 - Duo Chen
 - Carlos Garcia Lopez
 - Aparna Rao

Content tab

Back to all classes

Mrs. Williamson first period: Multiple subjects

Class code
RSY7RS55

Content Assignments Progress Activity Roster Settings

Areas of triangles

Understand the formula for the area of a triangle.

Area of a triangle - Preview

Understand why the formula for the area of a triangle is one half base times height, which is half of the area of a parallelogram.

Video - 5 min

Finding area of triangle - Preview

Sal finds the area of an obtuse triangle.

Video - 1 min

Area of triangles - Preview

Intuition for why the area of a triangle is one half of base times height.

Article

Find base and height on a triangle - Preview

Identify the height of a triangle when given the base.

Exercise - 4 questions

Area of right triangles - Preview

Find the area of right triangles

Exercise - 4 questions

Assign 3 items

To

Mrs. Williamson first period

2 students

Select all (4)

amandaSmith23

cireneChen

simonFlemingWood

stephenCottrell

Save

Assign (3)

Exercise performance report

11 / 11 | Due: 10/17/2017

Download CSV

DATE & TIME COMPLETED	ATTEMPTS	BEST SCORE	STUDENT WORK
Oct 16th, 2:47 PM	1	6 / 7 (85%)	View report
Oct 16th, 2:49 PM	1	6 / 7 (85%)	View report
Oct 16th, 2:47 PM	2	5 / 7 (71%)	View report
Oct 20th, 9:57 AM	2	6 / 7 (85%)	View report
Oct 16th, 2:46 PM	1	6 / 7 (85%)	View report
Oct 16th, 2:49 PM	1	0 / 7 (0%)	View report

Have students use Khan Academy year round to gain confidence with exam-style questions.

Students that practice on Khan Academy will automatically encounter a range of question types. In general, most units include scaffolded, formative, and summative questions as well as standards-aligned material.

Depending on subject and grade, students may encounter some of the following specific question formats:

- Multiple choice
- Select all that apply
- Interactive number lines and graphs
- Two-column matching
- Measurement with rulers or protractors
- Matrix completion
- Text- and image-based stimuli
- AP exam-style*

*Khan Academy provides students with thousands of AP exam-style questions that closely match the format, features, complexity, and scope of the questions they can expect to see on actual AP exams.

Sample question formats

Comparing absolute values challenge

We want the following inequality to be true:
 $|x| > |5|$

Which of the following are possible values for x ?

Choose all answers that apply:

A $x = -4$

B $x = 3$

C $x = 9$

Compare and order absolute values

Stuck? Order the following values from least to greatest.

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

Sample AP exam-style questions



Image credit: [Wikimedia Commons](#)

In addition to new maritime technologies, what other innovations helped to spur European exploration in the Americas?

Choose 1 answer:

A New forms of communication, like the telegraph

B New democratic governments, like the one instituted after the French Revolution



Eighteenth-century Spanish casta painting. Image credit: [Wikimedia Commons](#)

This painting could best be used as evidence of which of the following historical developments?

Choose 1 answer:

- A How Spanish colonization led to the rejection of racial hierarchy in the New World
- B How Spanish colonization created a society in the New World which excluded Native Americans but incorporated Africans who converted to Christianity

Try using Khan Academy quizzes and tests.

Like Khan Academy exercises, the quizzes and unit tests are available across many grades and subjects and yield a set of simple, actionable reports. Teachers save time on grading, gain additional insights into student understanding, and can easily offer retakes.

Students tend to like taking tests on Khan Academy because of the instant feedback and the option to retake, depending on teacher.

Assigning quizzes and tests works the same way it does for exercises. Visit the Content tab, and select the quiz or test that you want to assign. Choose the class, students, and due date for the quiz or test. Once assigned, it will show up in your assignments list along with the other material you've assigned to that class.

The image shows two screenshots from the Khan Academy interface. The top screenshot, titled "Student view", displays a quiz completion screen with a large checkmark icon and the text "Get any 4 correct!". Below this, it lists three lessons: "Introduction to verbs", "The tenses", and "Linking and helping verbs". The bottom screenshot, titled "Content tab", shows a navigation bar with "Back to all classes" and "Mrs. Williamson first period: Multiple subjects" (Class code RSY7RS55). The "Content" tab is selected, showing a list of assignments under the "Grammar" category. The assignments include "Introduction to grammar", "Parts of speech: the noun", "Parts of speech: the verb", "Introduction to verbs", "The tenses", and "Linking and helping verbs". A "Quiz 1" is also listed, which includes the three lessons mentioned in the top screenshot. Two pink arrows point to the "Quiz 1" entry and its checkbox, indicating it is the selected item.

Student view Quiz

Get any 4 correct!

Let's identify your areas for growth in these 3 lessons:

- Introduction to verbs
- The tenses
- Linking and helping verbs

Content tab

< Back to all classes Mrs. Williamson first period: Multiple subjects Class code RSY7RS55

Content Assignments Activity Roster Settings

Grammar Assign (1)

- > Introduction to grammar
- > Parts of speech: the noun
This tutorial covers one of the English parts of speech: the noun. (More is coming soon! To quote user @Dhanishthaghosh, "Patience bears a golden fruit!")
- ▾ Parts of speech: the verb
 - > Introduction to verbs
 - > The tenses
 - > Linking and helping verbs
- Quiz 1 - See student view
 - Introduction to verbs
 - The tenses
 - Linking and helping verbsQuiz • 5 questions

Overview of Official SAT Practice

Use SAT Coach tools to support your students as they prep.

Students have access to a free, personalized practice program for the SAT through an exclusive partnership between Khan Academy and College Board. Learn more about using Official SAT Practice in the classroom at bit.ly/2lgYZ4S.

There are three ways to access SAT coach resources.

- Create a new regular-subject class —math, English, science, etc.—and add SAT practice to that class.
- Create a class specifically for SAT
- Add SAT coach resources to an existing class.

Use the SAT class tab to view progress and get content ideas.

Once you have created a class, you can start following along with your students' progress and see relevant, related content you can use in your class:

- **Lesson plans by teachers, for teachers:** relevant lessons with guidance on how to teach that skill in a classroom setting
- **Related content:** other exercises, videos, or articles outside of Official SAT Practice that you can assign directly to students
- **Top recommended practice:** a list of students for whom this skill is among the specific short list of practice we are currently recommending to them
- **Student skill levels:** a deeper dive into student skill levels

SAT practice activity report

SAT practice activity

Time: [All time](#) ▾

STUDENTS	TIME PRACTICED	PERSONAL QUESTION GOAL	PRACTICED QUESTIONS		RECOMMENDED QUESTIONS
Nick	6 hrs 1 min	2878 🏆 7	563	=	53
Anju	10 hrs 1 min	4050 🏆 10	291	=	69
Ruchira	15 hrs 9 mins	6240 🏆 15	461	=	27
Tabitha	17 mins	1468 🏆 2	37	=	0

SAT practice content ideas

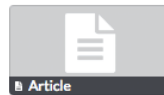


Interpreting linear functions

Heart of algebra • Medium frequency on test

Lesson Content

Lesson plans for teachers, by teachers



Lesson 1: Linear Equations, Linear Inequalities, and Linear Functions in Context 1

SAT Math Lesson Plans



Lesson 2: Linear Equations, Linear Inequalities, and Linear Functions in Context 2

SAT Math Lesson Plans

Official SAT Practice worked examples



Interpreting linear functions — Basic example

Official SAT Practice examples



Interpreting linear functions — Harder example

Official SAT Practice examples

Top recommended practice for

No students

Student skill levels



Level 1

[Amy](#)

Level 2

[Tabitha](#)

Level 3

[Nick Sanyukta Mark](#)

Level 4

Khan Academy teacher tools, resources, and support

Overview of Khan Academy for teachers

Khan Academy is a 501(3)(c) nonprofit with the mission of providing a free, world-class education for anyone, anywhere. We provide teachers with simple, powerful tools that make it easy to personalize student practice.

Teachers use Khan Academy for in-class practice, homework, review, and test prep to help every student succeed. Khan Academy's free tools and high-quality content help teachers differentiate instruction, implement remediation, and provide enrichment.

Want to know more about how to use Khan Academy with your students? These four short videos will walk you through our teacher tools and website.

- Set up your class (bit.ly/2wfwyQ1)
- Find content and make assignments (bit.ly/2FMjrFv)
- Understand the student experience (bit.ly/2jEkrTD)
- Use reports for student insights (bit.ly/2wlqRQs)

Classroom strategy and implementation guides (bit.ly/2rqEp8s)

- How-to guide: in-class practice
- How-to guide: homework
- How-to guide: review and test prep
- How-to guide: differentiation and remediation

For more teacher resources

khanacademy.org/resources

For support

khanacademy.zendesk.com