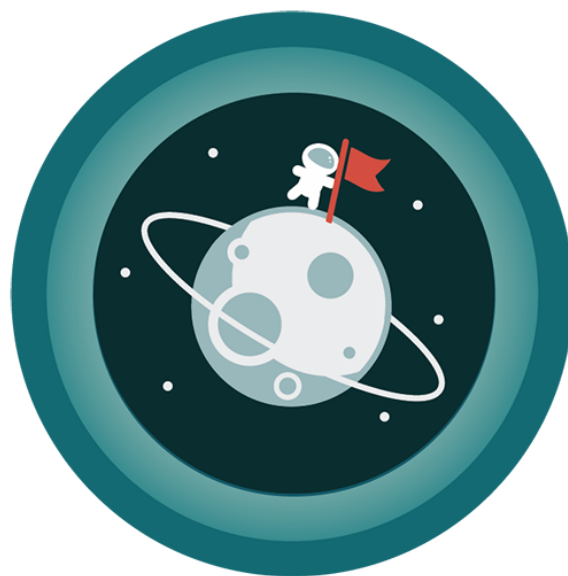


What is a mission?

We've got a lot of content on Khan Academy, and it grows every day. We've created missions to help learners focus on content that is most meaningful to them.

A mission is simply a curated set of content that users can access on their learning dashboard. Missions guide learners through a specific grade level or subject in a personalized way.



What material does each mission cover?

Each math mission on Khan Academy provides complete coverage of a particular grade level or subject. Additionally, most of our missions include mission foundations, which provide a quick review of prerequisites and check learners' preparedness for grade- or subject-level material. For details about specific missions, see the charts on pages 4-5.

How are missions created?

All the exercises for our math missions are created and reviewed by experienced math educators. To ensure that our missions include comprehensive coverage of the Common Core, we've worked with organizations involved in the design and assessment of these standards, including Smarter Balanced Assessment Consortium and Illustrative Mathematics. Additionally, we've implemented a rigorous continuous improvement process to ensure that all our missions are refined on an ongoing basis.

How do I start a mission?

You can access any mission on Khan Academy from the "Subjects" menu at the top left of your screen. As you complete skills within your mission, we'll recommend new skills on your dashboard based on what we think you're ready to learn next. We use your unique math history on Khan Academy to make the very best recommendations. Our goal is to provide a personalized path for all learners as they work through various subjects and grade levels.

How do I complete a mission?

A mission is complete once you've mastered all skills within it - including mission foundations. To master skills, you'll need to do mastery challenges on a regular basis. Mastery challenges mix together different types of problems and space them across days to help you retain your math skills over time.

How can I see what's in a particular mission?

2

The best way to see what's in a mission is to try it out yourself! You can access any mission on Khan Academy from the “Subjects” menu at the top left of your screen.

Within any mission, there are two ways to view content.

Dashboard view

Your learning dashboard gives a personalized view of all the material in the mission you've chosen. It also shows your progress and personalized recommendations for what to work on next.

1. On the left side of the dashboard, you'll see a link that says “Show all skills.” Click it to see a list of topics within the mission. Below each topic, you'll see multiple squares. Each square represents a specific skill, and you can hover over the square to see a preview of that skill.
2. To switch to library view, click the “View full list” link at the top right of your screen.

KHANACADEMY Subject: Algebra I

Search for subjects, skills, and videos

Home | Isaac Durand

Algebra I

MISSION PROGRESS

3% progress

- 1 skill mastered
- 2 skills level two
- 2 skills level one
- 12 skills practiced
- 158 skills not started

[Hide skill breakdown](#)

Mission Foundations

Introduction to algebra

Linear equations

Linear inequalities

Graphing and analyzing linear functions

Systems of equations and inequalities

Multiplying and factoring expressions

Quadratic equations

Exponent expressions and equations

Functions

Ratios and proportions

SKILLS UP NEXT FOR YOU

13,908

2 View full list of Algebra I content

MASTERY CHALLENGE
Strengthen skills you've already practiced

[Start](#)

The beauty of algebra
Why the abstraction of mathematics is so fundamental
[Remove](#) [Watch](#)

Evaluating expressions in 2 variables
Evaluate expressions in 2 variables for given values. Includes some exponents.
[Remove](#) [Practice](#)

Adding and subtracting fractions with unlike denominators word problems
[Remove](#) [Practice](#)

Coordinate plane: graphing points and naming quadrants
This is a great exercise example in which we plot the ordered pair and then identify which quadrant the point lies. You'll get the hang of this quickly!
[Remove](#) [Watch](#)

Graphing points and naming quadrants
Graph a point and indicate which quadrant it is in on the coordinate plane.
[Remove](#) [Practice](#)

Library view

The library view shows how your mission is structured. It's similar to the table of contents in a textbook.

1. On the right side of your screen, you'll see a list of the topics in the mission. You'll notice that the topics here are the same ones you saw on the left side of your learning dashboard, with one exception: Mission foundations appear on the dashboard but not in library view. You can click any topic to see a list of the skills in that topic, along with associated videos. You can then click any skill or video to access it.
2. To switch to dashboard view, click the "Get a personal path" link at the top right of your screen, or use the "Subjects" menu.

KHANACADEMY Subject: [Algebra I](#) Coach Home Isaac Durand

Algebra I

Conceptual videos and worked examples from basic algebra.

Community Questions

1

Get a personal path through Algebra I >

2

Introduction to algebra
Videos exploring why algebra was developed and how it helps us explain our world.

Linear equations

Linear inequalities
Exploring a world where both sides aren't equal anymore!

Graphing and analyzing linear functions
Use the power of algebra to understand and interpret points and lines (something we typically do in geometry). This will include slope and the equation of a line.

Systems of equations and inequalities
Solving a system of equations or inequalities in two variables by elimination, substitution, and graphing.

Multiplying and factoring expressions
This topic will add a ton of tools to your algebraic toolbox. You'll be able to multiply any expression and learn to factor a bunch a well. This will allow you to solve a broad array of problems in algebra.

Quadratic equations
In this topic, we'll analyze, graph and solve quadratic equations.

K-8 Missions

Mission	What does it cover?
K-2nd	This mission is the same as Early math (described on p. 5).
Missions for grades 3-8	Each of these missions covers all the Common Core math standards for its grade level. For example, the 3rd grade mission includes all the Khan Academy exercises that cover the Common Core standards for 3rd grade. (These are the exercises that appear on the 3rd grade page of our Common Core map.) The 3rd grade mission also includes exercises that don't correspond to specific 3rd grade standards but help to create a logical progression of learning.

High School and Beyond

Mission	What does it cover?
Algebra Basics	This mission covers foundational ideas in algebra and related topics in pre-algebra and geometry. Students can use this mission to prepare for college math placement exams, and college faculty can use it as a core curriculum for developmental math courses. For more exhaustive coverage of algebra, use the Algebra I and Algebra II missions.
Algebra I	This mission covers the Common Core standards in the traditional pathway for high school Algebra I. You can find more information about pathways for high school math here .
Geometry	This mission covers the Common Core standards in the traditional pathway for high school geometry. You can find more information about pathways for high school math here .
Algebra II	This mission covers the Common Core standards in the traditional pathway for high school Algebra II. You can find more information about pathways for high school math here .

List of Khan Academy Missions (continued)

5

Schools organize courses after Algebra 2 in many different ways. If you're using Khan Academy in conjunction with one of these advanced courses, choose the mission(s) most relevant to your class. Some classes might use all three missions below.

Mission	What does it cover?
Trigonometry	This mission covers the Common Core standards on trigonometry. It could be used in any course that includes trigonometry.
Probability and statistics	This mission covers the Common Core standards on high school level probability and statistics. It could be used in any course that includes probability and statistics.
Precalculus	This mission covers advanced material from the Common Core “plus” standards such as vectors, matrices, and complex numbers.

Calculus

Mission	What does it cover?
Differential calculus	This mission covers the material in a traditional first year calculus course.
Integral calculus	This mission covers the material in a traditional second year calculus course.

Other Missions

Because these missions start at a very basic level, they don't include mission foundations.

Mission	What does it cover?
Early math	This mission covers all the Common Core math standards for kindergarten through 2 nd grade.
Arithmetic, Pre-algebra	These missions cover content from grades 3-8. Many older students with gaps in their math knowledge that span multiple grade levels use these missions for remediation and review.
The World of Math	This mission contains all the math skills on Khan Academy (except the exercises listed under recreational math and test prep).