



We teach the same maths as you learn in school – but in a wildly different way

With Strive, you don't do a set of boring math problems from a workbook. Instead, you get to explore a library of coding challenges that help you to visualise maths ideas and debug your own thinking. Our lessons will give you a strong foundation in maths and coding, plus the opportunity to apply both these skills to today's real-world problems.

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What's Grade 6 maths all about?

Grade 6 is where you'll learn about algebra, linear equations, 2D and 3D geometry, and the beginnings of statistics. It's important that you master the maths concepts taught in Grade 6 - they are core concepts that form the basis of many of the advanced maths you'll study in later grades.

We cover the syllabus

Strive's Grade 6 Pathway covers the Common Core Mathematics Standards (CCMS) for Grade 6.



But in a way you'll like

We'll customise the exact projects we do according to your interests (Art? Games? Simulations? We've got it all!) and also according to your mastery of coding. We've projects for all levels – from novice to expert.



And all done through code...

This is maths through code - so our syllabus is divided into the main concepts you'd learn in an introductory coding course. You start with a bunch of projects (done in 15-25 lessons) that ensure you'll master programming concepts usually reserved for AP Computer Science A.



01

Variables

Variables keep track of quantities that change such as position, size, and color. Here's how a Geometry project (CCMS G.1 and G.3) is taught through variables:

Create an area calculator for common shapes

[Learn more](#)

02

Functions

Functions make it easy to bundle related instructions together and to map inputs to outputs. Here's how a Functions project (CCMS F.A.1 and F.B.5) is taught:

Generate rainbows using quadratic functions

[Learn more](#)

03

Logic

Boolean algebra is the logical foundation for computers, and we use it to make decisions using conditional statements. Here's how a mixed Number System + Equations project (CCMS NS.7a, NS.7b, and EE.9) is taught through conditional statements:

Practise physical modeling - bounce a ball off the walls

[Learn more](#)

04

Loops

Loops make it easy to repeat instructions according to set conditions. Here's how a mixed Geometry + Algebra project (CCMS G.3, EE.2a) is taught through loops:

Create a beautiful, interactive chess board.

[Learn more](#)

05

Objects

Many applied maths problems involve bundling data together and presenting it to users, often through text. Here's how a Functions project (CCMS IF.A.1) is taught through dictionaries and strings:

Create an app that maps text inputs to morse code.

[Learn more](#)

06

Lists

Lists enable us to keep related items in order, from high scores in a game to scientific observations. Here's how a mixed Number System + Geometry project (CCMS NS.7c, NS.7d, and G.3) is taught through lists:

Build your own version of a modern video game

[Learn more](#)

07

Classes

Classes are the blueprints for objects that bundle data together with the functions that operate on that data. Here's how a mixed Number System + Equations project (CCMS NS.7a-c, EE.6, and EE.7) is taught through classes:

Build your own version of a retro video game

[Learn more](#)

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