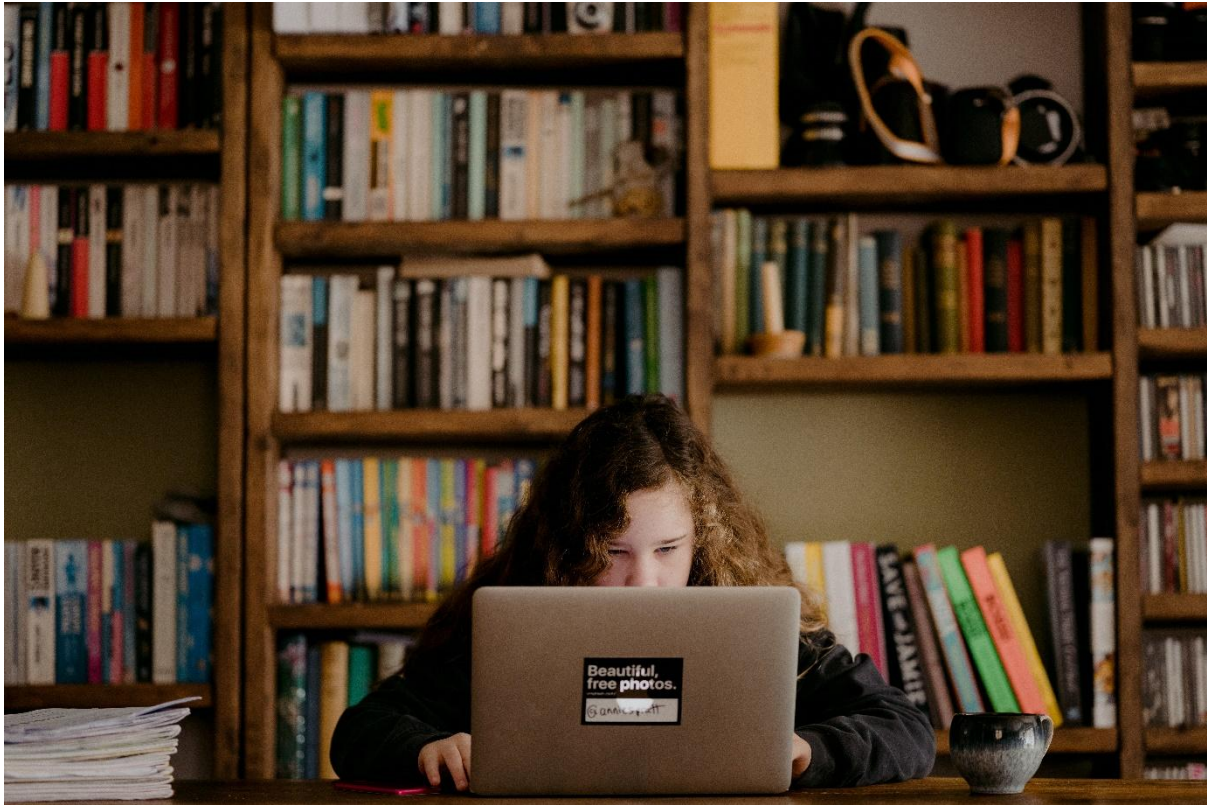


# Reasons Why Kids Should Learn Coding



Online Learning for Kids Can Be Carried Out Anywhere

## Introduction

Learning coding for kids offers many advantages that not only help in the formative years but also prove valuable in adult life. Coding will give your kids useful skills, such as creativity, logical thinking, collaboration, improved social skills, and the groundwork for their first job. Writing and coding can also be hobbies that turn into successful careers.

There are a few ways to learn coding: attend classes, watch YouTube videos, or get private online tuition from providers such as [ClassRx](#) and many others.

There are many reasons why online private tuition is preferable to classroom tuition, and many of these reasons are highlighted in an article entitled "[Five Benefits of Online Courses versus a Traditional Classroom](#)", which was written by Kendall Job, Editorial Intern for the Illinois Education Department in the US and also contains links to other resources. Another benefit of online private tuition is that your kid can go at their own pace and not be subjected to a rigid classroom timetable or pace of learning, which often leaves some kids behind and confused as the next topic is introduced.

## What Exactly is Coding?

In its simplest form, coding is writing a computer program that performs a particular function, such as ringing a mobile phone when a call comes in and bringing up the caller's details on the screen. Without coding, this cannot happen.

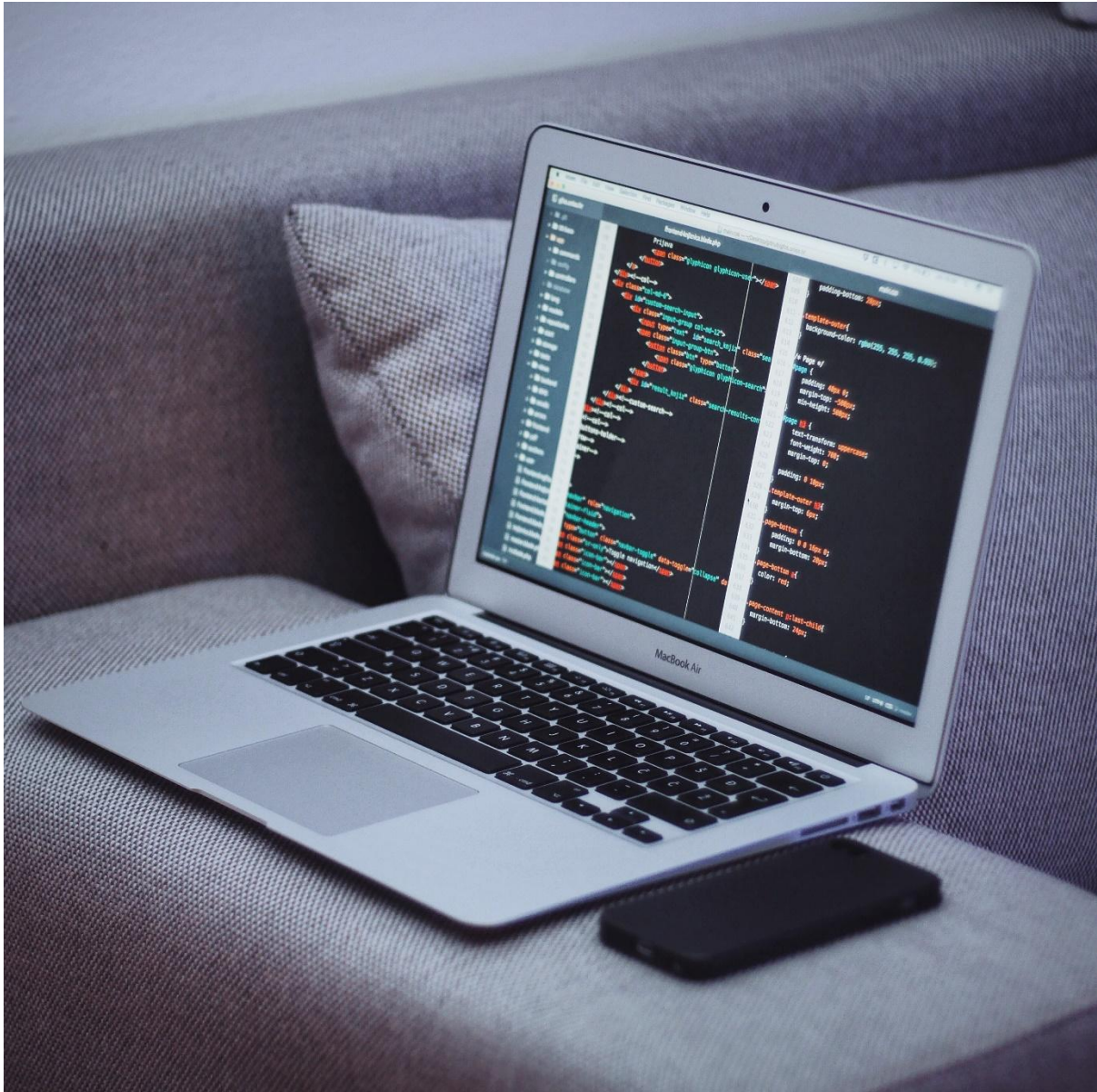
There are several coding formats for coding a program. There are various programming languages, such as Python, Java, JavaScript, HTML, and CSS. Examples of the latter two can be seen by opening a web page and right-clicking it, then selecting "Inspect" (in Microsoft Edge).

Coding teaches kids to work things out logically, step by step. Tutors are generally drawn from a pool of qualified industry professionals and other professional bodies. Tutor allocation is automatically carried out so that your kid gets the best tutor, depending on your kid's capabilities and existing knowledge.

Students work with their tutor at their own pace, and a one-on-one session is allocated at a convenient recurring time each week so your kid can get the personal attention needed to progress. There is no set pace, and your kid can progress at a fast or slow pace as needed, unlike in a classroom environment where all kids are dragged through the curriculum at the same pace, and many cannot keep up and end up not liking the subject.

Many teaching sites offer custom online tutoring platforms with a whiteboard, document sharing, and tutor feedback. There are usually periodic mock tests and assignments to check the kids' progress, after which the tutors can provide any necessary guidance to help them improve their coding skills.

Many people who learned coding at a young age have built very successful careers using their knowledge. Coding helped Bill Gates get his first contract, and he then went on to form Microsoft. Not everyone will have the same success as Bill Gates, but coding can undoubtedly give a kid a step on the ladder to success.



Coding Shown on a PC

## Main Reasons To Learn Coding

Below are 15 reasons why kids should learn coding, many of which are interrelated. For example, learning coding helps with creativity, which in turn supports problem-solving, which in turn helps pass entrance exams to top private schools and universities. It should eventually result in a lucrative career path. The fifteen reasons are listed below:

### [Provides a Competitive Advantage](#)

When it comes to picking someone for a role, the person who is proficient in HTML, CSS, JavaScript or Python will have an advantage over the competition even if the role being applied for is not coding-related. Knowing how to code means that you have a logical and analytical mind.

### Gives A Better Understanding of Technology Today

Computers, mobile phones, keyboards, and digital watches all use coding to work effectively. Learning coding means your kid can gain an understanding of how technology works, which helps them understand new technical devices that may come to market.

### Improves Creativity

Coding requires creativity to make computers, mobile phones, and other technologies perform tasks efficiently. There are ways to design code; some can be efficient, and others not so. As an example, writing 50 lines of code or 20 lines of code to perform a specific function is quite possible. Writing 20 lines of code is creative, and this code efficiency can be taught and understood, with the added benefit of improving overall creativity in other areas.

### Helps with Problem Solving

Coding teaches you how to solve problems in an organised manner. There are many ways to solve a problem, and when learning coding, problems can be broken down into small elements, making it easier to find the solution. Kids will then be able to solve any problems in an organised and effective manner, which can be applied to the issues that occur in later life.

### Helps Others

If you are a coder, you can help others with their problems, not only in coding but in other areas. Kids will be able to offer possible solutions to other people's problems, as they will have learnt to look at issues logically and break them down into easily understood parts.

### Improves Persistence

Coding has to be learnt, and different ways of solving the problem need to be tried. Trying different coding approaches to find the optimal solution requires persistence. Over time, the benefit of persistence will be that the optimal way to code a problem will become obvious.

### Improves Collaboration and Cooperation

Many games require collaboration (such as Minecraft). Coding for such games involves collaboration with others. Some coding problems require collaboration among a team of coders, with each coder working on a separate part. Coding improves collaboration in other areas as well.

### Helps with Writing Skills

Coding requires understanding of planning and organisation, which are also basic requirements for writing a letter, an essay, or even a book. So, learning coding will improve writing skills and organised thought.

### Helps with Language Learning

Learning to code is like learning another language, as it requires knowledge of structure, rules, and new terms. Learning a new language similarly has new words, a new structure and rules, so learning coding will give a boost to learning any new language. In fact, coding

has its own language, designed to speak to computers, mobile phones, and other devices, giving them the instructions they need to operate.

### Improves Mathematics Skills

It goes without saying that learning to code improves kids' maths skills, as coding includes instructions for mathematical functions and for visualising a problem and breaking it down into simple mathematical steps. This mathematical background will help with understanding maths problems throughout a kid's career, whether in school, university, or working life.

### Improves Confidence

Learning coding gives you the confidence to tackle problems and break them down into manageable parts. Confidence results in kids having a clear-headed approach to tackle whatever comes along.

### Improves Logical Thinking Skills

Learning to code teaches you to think logically and break problems into smaller parts. Logical thinking can help solve problems and work out how to tackle any issues that may come along.

### Helps Develop Resilience

When learning to code, it may be that your code does not produce the desired results, which means you must start again, using a different approach to solving the problem. This teaches resilience, which is the way to recover from a difficult situation.

### Helps with Jobs and Careers

Programmers are in demand. Every company needs coders, whether in banking, finance, logistics, or the IT industry. Even fast-food places like McDonald's need coders, since they use touchscreens that customers use to place orders and make payments, and all this requires coding. Learning to code means making better job choices and building a great career.

### Helps with Social Skills

Learning to code improves social skills because, as part of coding, you collaborate with others on coding projects through written communication and conversation. There are many ways to communicate, whether writing or speaking, and kids will learn how to express themselves to achieve the best results.

## Conclusion

In summary, kids learning coding provides them with many advantages now and in their future careers. Learning coding in a rigid, fixed classroom environment has many disadvantages; in this environment, many kids get left behind and give up the subject entirely. It has been shown that the best way for your kid to learn coding is through online tutoring, so they can learn at their own pace without being subjected to a fixed, rigid timetable. Many teaching organisations have tutors from industry and professional bodies,

and a proven method for helping kids learn coding languages such as Python, Java, JavaScript, HTML, and CSS.