

Click to verify



Start coding today. Our courses and activities are free! It's easier—and more fun—than you think. Explore the world of computer science with engaging videos, self-paced tutorials, programming activities, and more for all ages and experience levels! Grades: K-5 Start with an Hour of Code, then dive into more block-based coding in our Express Courses. Explore our Sprite Lab, get creative with coding, and learn with videos covering computer science and AI. There's always something new to discover! Explore learning for ages 5-11 Grades: 6-12+ Start with an Hour of Code, then explore self-paced coding courses on apps, games, and animations. Try App Lab, Game Lab, or Web Lab—and learn about AI, real-world careers, and scholarships. There's always something new to discover! Explore learning for ages 11+ Computer science opens doors to exciting careers in music, fashion, space, social impact, and more. Help students see where CS can take them through videos, virtual field trips, and hands-on activities that bring real-world pathways to life. Explore career opportunities Point students toward real-world opportunities like mentorships, internships, and scholarships that can help them take the next step in their CS journey. These directories are a great place to start exploring what's out there—but they're not exhaustive and may change over time, so we encourage you to check back or explore further on your own. Connect with mentorship programs and peer communities that support students exploring computer science and technology careers. Discover internships and apprenticeships that offer real-world experience and insight into careers in computer science and tech fields. Find scholarships to help fund your education in computer science and related fields, including opportunities for underrepresented students. Explore tools, programs, and clubs that let students build CS skills, pursue passions, and prepare for future STEM and tech careers. Browse curated online courses—free and paid—that help students learn computer science concepts and build skills anytime, anywhere. Your browser is not supported. Please upgrade your browser to one of our supported browsers. You can try viewing the page, but expect functionality to be broken. App Lab works best on a desktop or laptop computer with a mouse and keyboard. You may experience issues using this tool on your current device. Game Lab works best on a desktop or laptop computer with a mouse and keyboard. You may experience issues using this tool on your current device. You may experience issues using Web Lab in Private Browsing mode. Please reload your project in normal mode. Sorry for the inconvenience. CS in Algebra curriculum and content is being deprecated. Within the next few months, this lab will no longer be available. Please check out Bootstrap: Algebra instead. Learn More. Lunsj Mandag - Fredag: 11.00 - 16.00 Lørdag: 13.00 - 16.00 Siste bordreserasjon 14.30 Middag Mandag - Lørdag: 17.00 - 23.00 Siste bordreserasjon 21.00 Our global reach reflects our mission: expanding access to computer science for every student, in every school. Teachers using our platform These days, there are a lot of resources out there for learning how to code. And many of them are readily available online for free - so choosing one can be overwhelming. But there's definitely an upside: you don't need to attend a paid bootcamp or university anymore in order to learn how to code. You can teach yourself. In this article, I will share some tips and info about how to learn to code for free as a beginner. I'll also point you to free learning platforms and resources. "Coding" is a commonly used term for computer programming. Some people use it interchangeably with programming, while others would argue they are not entirely the same. By definition, "code" refers to a set of instructions that tells a computer what to do. Computers don't understand human language, so over time, humans have created languages that computers can understand. And developers speak to them through those languages. Examples of coding languages include HTML, GitHub Markdown, CSS, JavaScript, and Python, among many others. When you learn how to code, you'll be able to write instructions for computers to follow. This lets you make websites, applications, and software, and do some other cool stuff. If coding is the act of writing instructions for a computer to follow, what then is programming? Many developers view programming as a more advanced term than coding, and a lot of others use both words interchangeably. Programming still involves writing instructions for the computer to follow, but now data structures and algorithms are important. Some coding languages such as HTML, CSS, and Markdown don't use algorithms and data structures, while others such as JavaScript, Python, Java, and C++ use them heavily. This brings up a distinction that many developers make. In the web development industry, many developers don't consider HTML to be a "programming language" in a strict sense, because it doesn't perform any logic. It just determines the structure of a website. On the other hand, languages like JavaScript, Python, C++, and Java, are all "official" programming languages because they handle complex functionalities and interactivity. Some developers refer to anyone who codes in just HTML and CSS as a coder, and those who code in JavaScript, Java, C++, and other programming languages as programmers. So you could say that all programmers are coders, but not all coders are programmers. But not everyone feels this way, so it's important to do your own research and learn the skills before you take a side :) You can read more about the distinction between programming and coding here. The world is becoming a global village. And coding is a big reason it's happening. There are tons of reasons why you should learn how to code, and I will touch on some of them here. First of all, learning to code greatly enhances your analytical and problem-solving skills. Your earning potential increases: there are senior developers who make \$400,000 a year. So by learning how to code, you can live out your dreams and become financially secure. You can work for the biggest tech companies: learning how to code opens up doors for you to work at the biggest tech firms like Google, Amazon, Microsoft, and Facebook. If you're a fan of FAANG, you should definitely consider learning to code. You can work independently: a lot of developers have years of experience in their respective industries and have never worked for any other person or company as an employee. By working for yourself, you work on your own schedule, at your own pace, and on your own terms. As I pointed out earlier, there are tons of resources online for learning how to code. You can find any resource you want by searching on Google, but that's just the tip of the iceberg. YouTube has often been described as a free "university". A lot of people have become software engineers, web developers, data analysts, database engineers, and administrators by watching YouTube videos and putting what they learn into practice. freeCodeCamp has a YouTube channel with over 1,000 videos on web development, data science, machine learning, freelancing, databases, and everything related to tech. In addition to the freeCodeCamp channel, there are lots of other great channels such as Traversy Media, NetNinja, WebDevSimplified, Florin Pop, AmigosCode, and a lot more. To narrow it down a little from Google searches and YouTube, freeCodeCamp is a great platform where you can learn how to code - it's one of the best in the world, actually. And one of the best parts? You don't have to pay anything to learn to code because freeCodeCamp is a non-profit and all of its resources are completely free to use. To get started with freeCodeCamp, you can log on to the curriculum website and sign up. Then you will get full access to the entire 3,000+ hour curriculum that can take you from zero to hero, novice to ninja, and beginner to expert in coding. Apart from the curriculum, freeCodeCamp has a solid presence on YouTube in English and Spanish, as I mentioned above. There is also a forum like StackOverflow where you can interact with fellow campers (that's what freeCodeCamp users are called), ask questions, and get your coding issues resolved. And of course there's freeCodeCamp's publication, where you are now, that contains over 7,000 tutorials on a wide range of tech topics. MDN has one of the largest collections of documentation for web technologies and APIs such as HTML, CSS, JavaScript. If you are the type that likes to learn by reading, MDN is a great place to learn coding and web development. The beautiful thing about MDN is that the documentation is regularly updated and so you learn everything in a modern way. Sololearn is a social and interactive platform where you can learn any programming language and many of the popular frameworks and libraries. I used the platform myself while starting out, so I can testify to how helpful it is. The curriculum is not really the most attractive thing about Sololearn - rather, it's the community. Millions of people all around the world get to interact and brainstorm on coding, so you can ask questions openly and resolve your issues, post your projects, and get feedback. In addition, you get the chance to compete with other people in quizzes and send them direct messages. Sololearn is available in web and mobile versions. You can download the mobile app from the app store. Coding is increasingly becoming an integral part of our world. Learning to code has changed a lot of lives as it can give you the skills to get a great job and earn your financial freedom. And there are tons of employment opportunities out there right now. If you are willing to learn how to code, you don't need to worry about the cost. There are tons of free resources online available for you to explore, as we've seen in this article. So what are you waiting for? Learn how to code today. Loading menu bar Search New to coding? Start here and learn programming fundamentals that can be helpful for any language you learn. This course includes AI assistance for guided coding help Quizzes to test your knowledge A certificate of completion 514,388 learners enrolled This course includes AI assistance for guided coding help Quizzes to test your knowledge A certificate of completion Time to complete Programming is all around us, from the take-out we order to the movies we stream. Whether you're about to start your journey as a developer or just want to increase your digital literacy, knowing the basics of coding will be beneficial to your career. Instead of teaching a specific programming language, this course teaches programming fundamentals that can be helpful for any language you learn. Build a programming foundation Learn variables and functions Understand control flow Learn the essential programming concepts of variables, operators, and data types. Learn the essential programming concepts of functions and control flow. Learn the essential programming concepts of lists and loops. Earn a certificate of completion and showcase your accomplishment on your resume or LinkedIn. The platform Hands-on learning AI-assisted learning Make progress faster with our AI Learning Assistant, a tool that automatically understands your current course, instructions, and solution code - and gives you instant, personalized feedback. Real-world projects Take what you're learning into the real world. Choose from guided projects that help you solidify new concepts - or test yourself with independent projects designed to build your portfolio. Job-readiness checker See how well your skills and experience meet the requirements for jobs you're interested in. AI generates a personalized report to show you how ready you are for your dream job and where to improve to qualify for a role. Interview simulator Use AI to identify strengths and get personalized, actionable feedback to improve your interviewing skills. Easily see what's needed to improve your skills - no matter what stage you're at in your career. Assessments Test new skills as you learn them so you can better understand and apply new concepts. You'll also see which topics need more review and get practice recommendations to continue to improve. Show your network you've done the work by earning a certificate of completion for each course or path you finish. Show proof Receive a certificate that demonstrates you've completed a course or path. Build a collection The more courses and paths you complete, the more certificates you collect. Share with your network Easily add certificates of completion to your LinkedIn profile to share your accomplishments. Fantastic intro course. The mixture of written and practical work really helps the information sink in and is also fun! Amazing! I came to this knowing NOTHING about coding. It is written clearly and accessibly to novices and I can't wait to continue learning. This was my VERY first introduction to coding, and it made me feel really confident about approaching something that I have no background in! I am looking forward to diving deeper into programming now! :) Coding involves giving a computer a set of instructions to execute using a programming language like Python or Java. While each programming language has its own way of giving instructions, they all use the fundamental programming concepts covered in this course. Code foundations 8,082,487 learners enrolled Computer science 6,552,716 learners enrolled Web development 5,412,471 learners enrolled Data science 4,973,877 learners enrolled Python 4,013,866 learners enrolled For business 3,811,309 learners enrolled JavaScript 3,068,208 learners enrolled Data analytics 2,907,608 learners enrolled IT 2,867,789 learners enrolled Guided projects that help you solidify the skills and concepts you're learning. Auto-graded quizzes and immediate feedback help you reinforce your skills as you learn. Earn a document to prove you've completed a course or path that you can share with your network. CodeStudio er Code.org sine interaktive oppgaver i netleser som er laget for å gi en introduksjon til programmering. I CodeStudio gjennomfører man ulike oppdrag på ulike nivåer, ved å programmere med blokker, akkurat som i Scratch.