STEM Careers

Overview

Ellipsis Education understands how important it is to introduce students to STEM careers early and often. Exposure to the range of STEM careers (1) helps students connect their classroom learning to the world of work, (2) establishes relevant context for the knowledge and skills they are building, and (3) provides inspiration and motivation for future studies.

Through these lessons students connect personal interests with professional opportunities and gain a better understanding of how computer science concepts and practices are used to solve problems. Here, we have included a selection of STEM careers from each of our grade-level differentiated courses:

CS Foundations

Kindergarten
Software Developer
Graphic Designer
Engineer

First Grade
Doctor
Firefighter
Farmer

Second Grade
Meteorologist
Software Engineer
Environmentalist

CS Fundamentals

Third Grade
Game Design
Hardware Engineer
Statistician

Fourth Grade
User Experience Designer
Machinist
Aviation

Fifth Grade
Support Technician
Cybersecurity Expert
Game Programmer

CS Applications

Sixth Grade
STEM Teacher
3D Printing
Personal Trainer

Seventh Grade
Machine Learning Engineer
User Experience Designer
Artists and Animators

Eighth Grade
Engineer
Entrepreneur
Neuroscientist

High School CS Applications

JavaScript
Salesperson
Data Scientists
Agriculture

Java
Software Developer
Digital Security Analyst
Web Designer

Python
Machine Learning Engineer
Systems Architect
Computational Lingust

Game Development
Artists and Animators
Audio Engineer
Game Designer