

Dream Big Programme with Computer Science

CS Athena Swan Outreach Lead

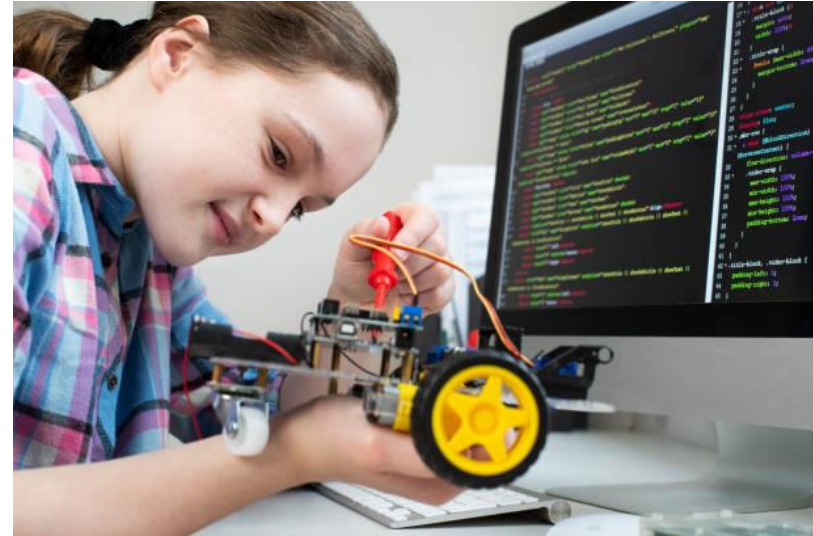
Nadine Aburumman

**Innovative
Inclusive
Diverse**

What is Computer Science?

Computer science, or “CS,” is a large subject. It blends all the “STEM” subjects of science, technology, engineering and math, and also includes design.

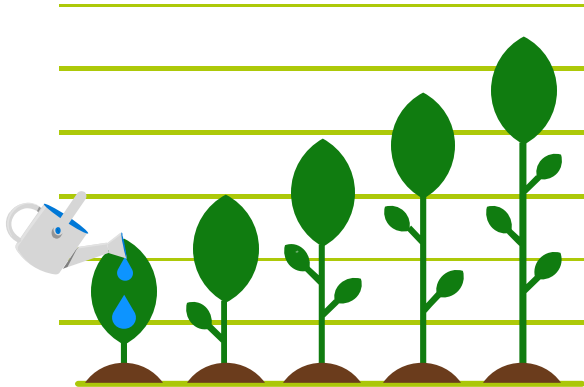
Computer science is about solving problems using computers. It has been said, that “computer science is the study of what machines can do for us.”



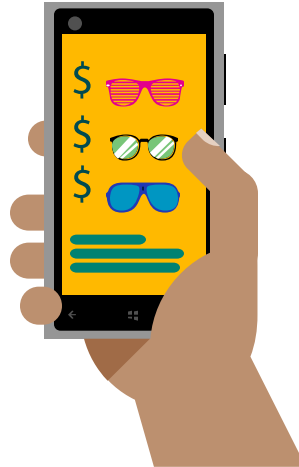
“A career in CS is a chance to build things. If you can dream it, CS can help you do it!”
~Alice Steinglass, President, Code.org

What is Computer Science?

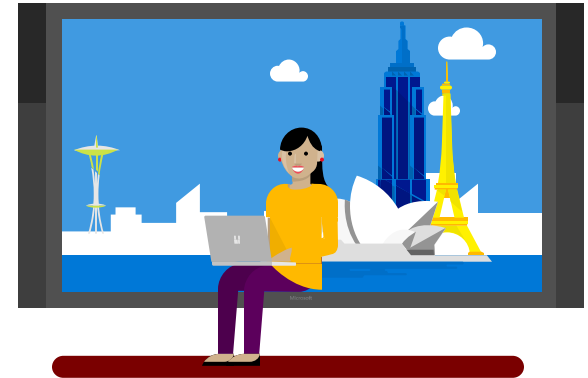
contributing real-time
data to farmers



changing the way
we do business



removing language
barriers in
communication



Why Study Computer Science?

Knowledge and skills
for success in careers
across all sectors

Opens doors to,
and equalises,
opportunity for all

Teaches important
skills, such as:

- Creativity
- Problem solving
- Critical and flexible thinking
- Coordinating with others

Essential literacy for
today's world

Critical
understanding for
citizenship, ethics,
and social good

Why Study Computer Science?

Computers and technology are behind some of the most interesting and impactful jobs out there today. Studying CS can point you toward any number of exciting careers:

- **Mobile developer**
- **Medicine analyst**
- **Data scientist**
- **Music program engineer**
- **Fashion tech designer**
- **Defense expert**



“Technology is changing the world, changing our future, and that future is yours to shape.”
~ Bill Gates, Founder of Microsoft Corporation

Why Study Computer Science?



Artificial Intelligence (AI) and Robotics Systems

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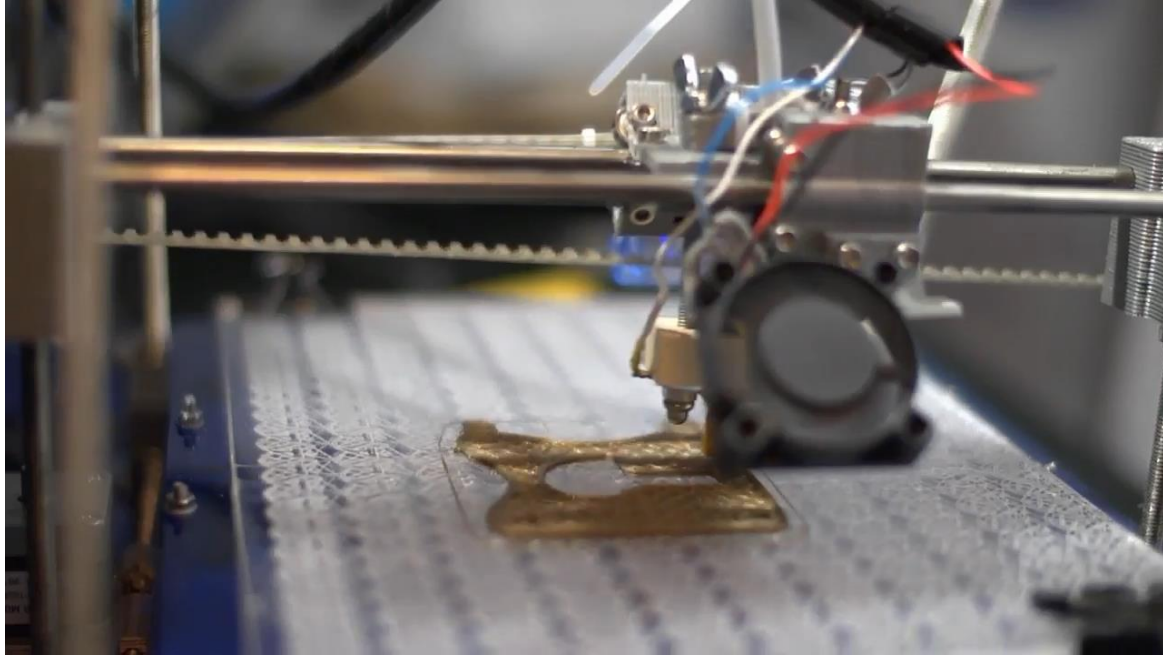
Autonomous Vehicles (Self-Driving Cars)

Why Study Computer Science?



Computational Neuroscience and Psychology

Why Study Computer Science?



Fashion and the Creative Industry

Why Study Computer Science?

Job role	Salary per year
Solution Architect	£72,150
Java Developer	£55,000
IT Manager	£50,000
Software Engineer	£48,723
.NET Developer	£46,598
Business Analyst	£45,001
Systems Engineer	£44,988
Software Developer	£42,500
Programmer	£32,496
IT Analyst	£30,000

10 Highest Paid Professions in
the UK, 2023

Why Study Computer Science?

By 2025:

3M new roles in Software, Data, AI, Cyber*

150K new CS graduates**

26K new CS women graduates**

*Source: Microsoft Data Science, LinkedIn Data.

**Source: UCAS



Any Questions?