5 WORK SKILLS COMPUTER SCIENCE WILL GIVE YOU

CREATIVITY

In class: Computer science is filled with difficult problems, making the ability to think creatively to overcome obstacles a key skill.

At work: Creativity isn't confined to fields such as art and design and the creative industries but is crucial in engineering, technology and manual trades.

Career paths: 2D artist, game designer, technical writer

DATA ANALYSIS

In class: You'll learn about different types of data, how they represent information, and how to use them for different purposes.

At work: With evermore data available, this is a valuable skill. Digital marketers must interpret web stats while salespeople provide clients with results.

Career paths: Account manager, meteorologist, social media officer

LOGICAL THINKING

In class: You will learn to think in a methodical, step-by-step way and master data validation and verification techniques to create flawless algorithms.

At work: As well as computer programming, breaking problems into logical steps is useful in fields such as logistics, healthcare and manufacturing.

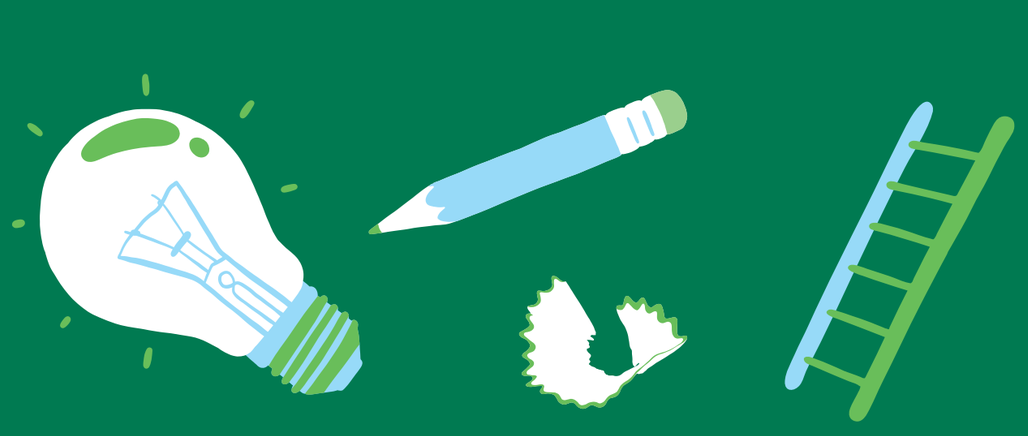
Career paths: Barrister, criminologist, healthcare consultant

MATHEMATICAL SKILLS

In class: You'll use hard maths like Boolean algebra to create programs made up of algorithms – sets of instructions following mathematical rules.

At work: You'll use fundamental maths skills in areas such as IT and technology, engineering, architecture, data analysis and finance.

Career paths: Architect, data analyst, software engineer



PROBLEM SOLVING

In class: Computer scientists think through the ways in which software systems could achieve a particular outcome and then write PC-friendly instructions.

At work: Many professionals frequently face big challenges, particularly in fields such as engineering, healthcare, technology, construction and logistics.

Career paths: Civil engineer, surgeon, urban planner

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