

MYTHBUSTERS - A STEM SPARKS EDITION

Myth - "You have to be good at drawing to be an architect"

Myth - "Construction jobs are dirty and dangerous"

Myth - "There are no women in building surveying"

Myth - "Engineers only build bridges and roads"

Myth - "You need to be super strong to work in construction"

Myth - "Maths is the most important subject for a STEM career"

Myth - "All architects work in big cities"

Myth - "STEM is all about computers"

Myth - "STEM jobs are boring and only for people who like school"

Myth - "All STEM work happens in labs or offices"

FACT - While tech is important, STEM careers can also involve Hands-on building, creativity, collaboration and community impact.

FACT - Women are leading the way in building inspections, compliance, and innovation - and the numbers are growing every year!

FACT - STEM careers can take you outdoors, on construction sites, in workshops, or even underwater and underground.

FACT - Architects use sketches to share ideas, but also rely on software, teamwork and problem solving - not just drawing skill

FACT - STEM uses many skills - curiosity, creativity, communication, and critical thinking are just as important as maths.

FACT - Architects work everywhere - designing homes, schools and public spaces in regional towns, remote areas, and urban centres alike.

FACT - Most construction roles are about skills, thinking and teamwork, not physical strength - and there are machines to do the heavy lifting!

FACT - Engineers design everything from buildings and water systems, to solar farms and virtual cities - and many specialise in sustainability!

FACT - STEM careers are creative, active, and often hands on - from designing spaces to solving real-world problems.

FACT - Construction includes a wide range of high-tech, creative and safety-focused roles - including design, planning and project management.



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Myth - "If you don't like coding, you can't work in STEM"

Myth - "Sustainability and the environment aren't part of STEM"

Myth - "You must have top grades to get into STEM"

Myth - "Architecture is only about designing fancy houses"

Myth - "Construction is just about building things"

Myth - "You have to be a maths genius to be a quantity surveyor"

Myth - "Facilities managers only fix broken things in buildings"

Myth - "Building surveyors are the same as real estate inspectors"

Myth - "Project engineers just sit at a desk all day"

Myth - "Contract administrators are just paperwork people"

FACT - Many STEM careers focus on solving environmental challenges - from designing energy-efficient buildings to managing natural resources

FACT - Architects design schools, hospitals, parks, emergency shelters, and sustainable cities - not just houses!

FACT - Many project engineers split their time between site visits, meetings, and hands-on project planning

FACT - You need to be comfortable with numbers, but problem-solving, communication, and negotiation are just as important

FACT - Building surveyors focus on building codes, fire safety, structural issues, and design regulations - not just property sales

FACT - STEM is about curiosity and determination - there are many entry points and pathways, and success doesn't mean perfect grades

FACT - Facilities managers keep entire buildings safe, efficient and sustainable - managing energy, space, maintenance, and technology.

FACT - Many STEM careers don't require coding - there's space for project managers, sustainability experts, architects and surveyors too!

FACT - Contract admins are key decision-makers - managing timelines, budgets, legal documents and communication between all project teams.

FACT - Construction also involves planning, budgeting, risk management, safety leadership, and environmental design.



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