



Construction and
The Green economy

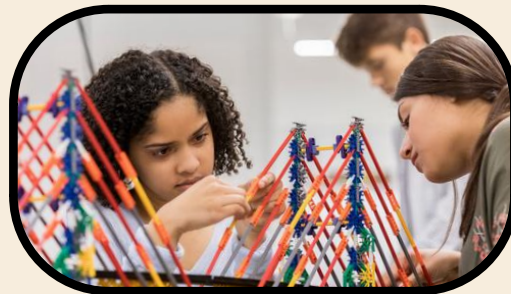


Creative and Culture



Digital , Technology,
Business and Finance

The Future Gateways



Education and Early Years



Health and Social, Sport
and Public Services



Engineering, Design and
Manufacturing

Construction & The Green Economy

Description:

This gateway focuses on sustainability, environmental industries, and green skills. Students learn about ecology, animal care, and practical skills that support environmental stewardship. At our school, this includes hands-on projects in animal care and exploring sustainable practices in daily life. Students develop problem-solving, planning, and project management skills while understanding the impact of human activity on the environment. They also explore how technology can support sustainable development and ecological solutions.

Core Subjects:

- **Math:** key for measurement, planning, scale, budgeting, and environmental data
- **English:** needed for communicating plans, reports, and safety documentation
- **Science:** underpins environmental science, sustainability, and ecological understanding
- **Digital:** digital mapping, environmental monitoring tools, and AI-supported sustainability solutions

Linked subjects

Closely linked subjects

Math
English Language and Literature
Combined Science
Biology
Religious Education
Geography
Animal Care
Engineering

Linked subjects

- History
- Geography
- Health and Social Care
- Statistics
- Art

Top Ten Careers in Construction and The Green Economy

Explore careers in sustainability, renewable energy, and the green economy! Work on innovative projects that protect the environment and build a sustainable future. Here are the top ten popular and diverse roles currently in high demand. Perfect starting points for your future!

- 1 •Heat Pump Engineer / Renewable Heating Technician
- 2 •Zero-Carbon Building Designer / Architect
- 3 •Sustainability Consultant / Green Building Consultant
- 4 •Environmental Scientist / Ecologist
- 5 •Recycling Engagement Officer
- 6 •Countryside / Conservation Ranger
- 7 •Green Project Manager / Sustainability Project Lead
- 8 •Environmental Policy Analyst
- 9 •Carbon Capture Technician
- 10 •Renewable Energy Engineer (e.g., solar, wind)

Opportunities Post 16 in Construction and the Green Economy

- **Stoke-on-Trent College — T-Level: Design, Surveying & Planning for Construction; Building Services / Electrotechnical & plumbing T-Levels.** [Stoke-on-Trent College](#)
- **South Staffordshire College — Construction programmes (Level 3 diplomas, hands-on trades training).** [South Staffordshire College](#)
- **South Staffordshire College (Rodbaston) — Animal Management / Animal Care (Level 3) for green/land-based pathways.** [South Staffordshire College](#)

Creative & Culture

Description:

This gateway explores creativity, the arts, culture, and performance. Students develop artistic, musical, and performance skills while understanding cultural contexts. At our school, this includes visual arts projects, drama performances, music composition, and hospitality experiences. Students learn collaboration, problem-solving, and innovation through creative work. They also explore how technology can enhance creative expression and cultural engagement.

Core Subjects:

- **Math:** used in timing, rhythm, proportions, design layout, and hospitality measurements
- **English:** supports scriptwriting, performance, communication, and cultural analysis
- **Science:** contributes to sound, light, materials, and food science in hospitality
- **Digital:** digital media, editing tools, AI-generated creative content, and cultural technologies

Linked subjects

Closely linked subjects

- Math
- English Language and Literature
- Combined Science
- Separate Science
- Religious Education
- Geography
- History
- Art
- Drama
- MFL
- Hospitality and Catering
- Music

Linked subjects

- Sport
- Engineering
- Enterprise and Marketing

Top Ten Careers in Creative and Culture

Unleash your creativity with careers in the arts, music, drama, and hospitality! Express yourself while building a fulfilling career. Here are the top ten popular and diverse roles currently in high demand. Perfect starting points for your future!

- 1 •Fine Artist / Painter / Sculptor
- 2 •Graphic Designer / Digital Artist
- 3 ¹•Theatre / Drama Performer / Actor
- 4 •Musician / Composer / Music Producer
- 5 •Hospitality Manager / Events Coordinator
- 6 •Cultural Project Manager / Arts Administrator
- 7 •Set Designer / Stage Designer
- 8 •Digital Content Creator / Influencer
- 9 •Museum / Gallery Curator
- 10 •Creative Technologist

Opportunities Post 16 in Creative and Culture

- The King's Church of England Sixth Form- Level 2/3 Hospitality and Catering. [The Kings Kidsgrove](#)
- Stoke-on-Trent College — T-Level / Level 3 Media, Broadcast & Production; creative and digital programmes (Digital & Creative Hub). [Stoke-on-Trent College+1](#)
- Stoke-on-Trent College — Level 3 hospitality & catering / creative vocational BTECs (for Hospitality & Catering pathway). [Stoke-on-Trent College](#)
- NSCG — Level 3 creative & digital vocational options (see vocational and IT/media listings).

Digital, Finance & Business

Description:

This gateway develops skills for the digital, financial, and business sectors, focusing on data, enterprise, and innovation. Students gain experience with problem-solving, project management, and digital tools to support modern business practices. At our school, this includes coding, ICT projects, and enterprise challenges that simulate real-world business tasks. Students also explore financial literacy, marketing, and digital communication skills. The pathway helps students understand how technology drives business and how analytical skills can support decision-making.

Core Subjects

- **Math:** supports finance, budgeting, statistics, and data analysis
- **English:** key for marketing, business communication, and report writing
- **Science:** supports logical thinking and problem-solving
- **Digital:** AI platforms generate up-to-date resources; coding and digital tools drive business innovation

Linked subjects

Closely linked subjects

- Math
- English Language and Literature
- Combined Science
- Separate Science
- Religious Education
- Statistics
- Computer Science
- ICT
- Enterprise and Marketing

Linked subjects

- History
- Geography
- Drama

Top Ten Careers in Digital, Finance and Business

Explore the dynamic world of digital, finance, and business careers! From data analysis to leading tech-driven projects, discover the top ten popular and diverse roles currently in high demand. Perfect starting points for your future!

- 1 •AI / Machine Learning Engineer
- 2 •Cloud Solutions Architect
- 3 •Cybersecurity Specialist
- 4 •Data Scientist / Big Data Analyst
- 5 •Blockchain Developer
- 6 •DevOps Engineer
- 7 •Software Engineering Manager / Lead Developer
- 8 •Business Analyst (digital & business transformation)
- 9 •Project Manager for Tech / Digital Projects
- 10 •Financial Analyst / FinTech Specialist

Opportunities Post 16 in Digital, Finance and Business

- Stoke-on-Trent College — T-Level Digital (Software Coding & Development) and Level 3 Business / BTEC routes. [Stoke-on-Trent College+1](#)
- NSCG — Level 3 Extended Diploma in Business; Level 3 IT / Information Technology courses. [NSCG+1](#)
- Stoke-Staffordshire Institute of Technology (IoT) / Stoke College partnerships — higher technical digital programmes (IoT provision). [Stoke-on-Trent College+1](#)

Education & Early Years

Description:

This gateway introduces students to the education sector and early childhood development. Students learn how children grow, develop, and learn in different environments. At our school, this includes practical child development tasks, planning learning activities, and exploring educational theories. Students develop communication, observation, and leadership skills to support learning. They also explore how technology can enhance teaching and learning experiences for young people.

Core Subjects:

- **Math:** used in child development data, measuring progress, and planning learning activities
- **English:** communication, storytelling, and literacy development are central
- **Science:** supports understanding child development and how children learn
- **Digital:** AI platforms create the most up-to-date resources; interactive tools enhance learning experiences

Linked subjects

Closely linked subjects

- Math
- English Language and Literature
- Combined Science
- Separate Science
- Religious Education
- Childcare and Development
- Health and Social Care
- ICT
- MFL

Linked subjects

- History
- Geography
- Sport
- Drama
- Music

Top Ten Careers in Early Years and Education

Discover rewarding careers in education and early years! Support learning, shape young minds, and make a lasting impact. Here are the top ten popular and diverse roles currently in high demand. Perfect starting points for your future!

- 1 •Early Years Teacher
- 2 •Primary School Teacher
- 3 •Special Educational Needs (SEN) Teacher / SENCO
- 4 •Educational Psychologist
- 5 •Teaching Assistant / Higher Level Teaching Assistant
- 6 •Early Years Lead Practitioner / Nursery Manager
- 7 •Education Consultant / Advisor
- 8 •Learning Mentor / Academic Mentor
- 9 •Educational Mental Health Practitioner
- 10 •Play Therapist / Children's Therapist

Opportunities Post 16 in Education and Early years

- The King's Church of England Academy- Health and Social care Level 3 [The Kings Kidsgrove](#)
- Stoke-on-Trent College — T-Level Education & Childcare (Level 3 T-Level pathway). [Stoke-on-Trent College](#)
- NSCG — Level 3 Diploma in Specialist Support for Teaching and Learning in Schools (Level 3 technical/support route). [NSCG](#)
- University / Higher routes ([staffs.ac.uk](#)) for PGCE / higher education progression where appropriate. [UCAS](#)

Health, Social Care, Sport & Public Services

Description:

This gateway focuses on health, wellbeing, care, and physical performance. Students gain knowledge of anatomy, physiology, and health practices. At our school, this includes applied learning in care settings, sport science, and understanding community services. Students develop skills such as empathy, communication, teamwork, and problem-solving. They also explore how technology supports health, sport performance, and social care services.

Core Subjects:

- **Math:** vital for health data, nutrition planning, measurements, and statistics in sport
- **English:** communication skills essential for care settings and public-facing roles
- **Science:** core for anatomy, physiology, human biology, and health understanding
- **Digital:** digital health records, performance analysis tools, and AI-supported diagnostics

Linked subjects

Closely linked subjects

- Math
- English Language and Literature
- Combined Science
- Biology
- Religious Education
- Childcare and Development
- Health and Social Care
- Sport

Linked subjects

- History
- Geography
- Sport
- Drama
- MFL

Top Ten Careers in Health and Social Care, Sport and Public Services

Pursue careers that make a real difference in people's lives! From healthcare to sport and public services, explore the top ten popular and diverse roles currently in high demand. Perfect starting points for your future!

- 1 •Health & Social Care Worker / Social Care Practitioner
- 2 •Sports Physiotherapist
- 3 •Sports Science Coach / Performance Analyst
- 4 •Community / Public Services Manager
- 5 •Public Health Officer
- 6 •Nurse / Nurse Specialist
- 7 •Care Home Manager / Support Coordinator
- 8 •Youth Worker / Community Outreach Worker
- 9 •Occupational Therapist
- 10 •Recreation / Leisure Centre Manager

Opportunities Post 16 in Health, Social Care and Public Services

- The King's Church of England Academy- Health and Social Care Level 3 [The Kings Kidsgrove](#)
- The Kings Church of England Academy- BTEC Sport Level 3 Extended Diploma [The Kings Kidsgrove](#)
- Stoke-on-Trent College — Level 3 Extended Diploma in Health & Social Care (BTEC) and Health T-Level provision. [Stoke-on-Trent College+1](#)
- City of Stoke-on-Trent Sixth Form College — Level 3 Cambridge Technical Extended Diploma in Health & Social Care / Health T-Level. [stokesfc.ac.uk+1](#)
- NSCG — Level 3 vocational health and allied programmes listed in vocational courses. [NS](#)

Engineering, Design & Manufacturing

Description:

This gateway focuses on practical, technical, and problem-solving skills for modern industries. Students learn how to design, plan, and create solutions using engineering principles and creative thinking. At our school, this includes hands-on projects, CAD work, and understanding materials, forces, and structures. Students develop teamwork, project management, and analytical skills that prepare them for further study or careers in engineering and design. They also explore how engineering impacts everyday life and the environment.

Core Subjects:

- Math:** essential for measurements, ratios, technical drawings, and engineering calculations
- English:** needed for communicating design ideas, writing reports, and presenting solutions
- Science:** underpins materials, forces, energy, and technical understanding
- Digital:** CAD, modelling software, and digital manufacturing tools support modern engineering

Linked subjects

Closely linked subjects

- Math
- English Language and Literature
- Combined Science
- Separate Science
- Religious Education
- Engineering
- Art
- Enterprise and Marketing

Linked subjects

- Computer Science
- ICT
- Geography
- Statistics

Top Ten Careers in Engineering, Design and Manufacturing

See the exciting careers that you can unlock in the Engineering, Design & Manufacturing field! From designing smart factories to manufacturing and supply chains, here are the top ten popular and diverse roles currently in high demand. Perfect starting points for your future!

- 1 •Mechanical Engineer
- 2 •Manufacturing Engineer
- 3 •Product Designer / Industrial Designer
- 4 •Automation / Robotics Engineer
- 5 •CAD Technician / Drafter
- 6 •Sustainability / Environmental Engineer
- 7 •Aerospace Engineer
- 8 •3D Modelling / Visualisation Specialist
- 9 •Nuclear Engineer
- 10 •AI / Machine Learning Engineer (applied to design/engineering simulations)

Opportunities Post 16 in Engineering, Design and Manufacturing

- Engineering, Design & Manufacturing, T level -The King's Church of England Sixth form [The Kings Kidsgrove](#)
- Engineering, Design & Manufacturing Stoke-on-Trent College — Design & Development for Engineering & Manufacturing (T-Level) / Level 3 engineering routes. [Stoke-on-Trent College+1](#)
- South Staffordshire College — Level 3 Engineering Diploma (practical labs, CAD, CNC, 3D printing). [South Staffordshire College](#)
- NSCG (Newcastle & Stafford Colleges Group) — Level 3 vocational engineering & extended diplomas (see vocational course listings). [NSCG](#)