

21st Century Knowledge

Sessions
Overview

Through a series of enrichment focused workshops, this course is designed to give an appreciation of how 21st Knowledge skills contribute to everyday applications and for pupils to gain an insight into a range of related careers.

Breakdown of sessions for the 21st Knowledge workshops:

Session 1: Physics and beyond

Learning opportunities include:

- Solids, liquids and gases
- Aerospace
- The Planets
- Stars

Session 2: Technology and beyond

Learning opportunities include:

- Artificial Intelligence
- Machine Learning
- Robotics

Session 3: Engineering and beyond

Learning opportunities include:

- Biotechnology
- Nanotechnology
- Engineering principles

Session 4: Biology and beyond

Learning opportunities include:

- Genetics
- Ecology
- Biodiversity
- Science and light

Session 5: Maths and beyond

Learning opportunities include:

- Addition and subtraction
- Algebra
- Interest rates
- Fractions, percentages and ratio

Session 6: PSHE and beyond

Learning opportunities include:

- Goal setting
- Self-Management
- Metacognitive skills
- Problem Solving skills