

Technology

Jewellery Making

SUBJECT DESCRIPTION:

This unit aims to develop knowledge and skills associated with a range of materials and processes involved in the making of a range of jewellery products. Through design briefs students will investigate, design, produce and evaluate a range of jewellery products.

The subject aims to develop in students;

- Skills in researching and designing jewellery products.
- The ability to quantify materials including marking out and material preparation.
- Knowledge of sequential processes in jewellery construction.
- Knowledge of tools and machinery used in the manufacturing of jewellery.
- Understanding of correct safety procedures associated with working in jewellery making.
- The ability to assess and evaluate design selection and analyse finished products.

Robotics

SUBJECT DESCRIPTION:

Robotics is a fun and engaging way to teach fundamental technology, it encourages kids to think creatively, analyse situations and apply critical thinking and problem solving skills to real world problems. Students learn it is acceptable to make mistakes, especially if it leads them to better solutions.

Students Learn to:

- Understand forces and motion
- Measure and calculate distance and speed
- Graph and interpret rotation sensor and data
- Observe the transfer of energy driving motion
- Use knowledge of simple machines to build more complex machines
- Use sensors to control behaviour and to analyse data
- Develop robots using logical structures and sensor feedback