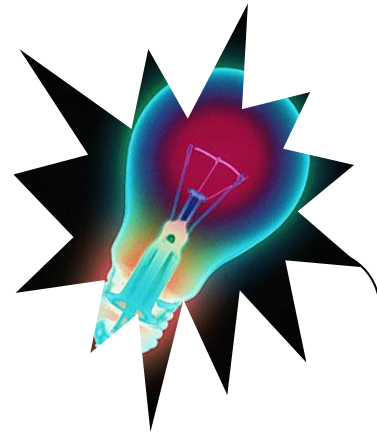


Area of Interaction

Human Ingenuity

The descriptors for respective grade levels.



Year 7 students will be expected to;

- ◇ Appreciate the human need for exploration, creation and development of ideas
- ◇ Identify the creative genius of others
- ◇ Develop the confidence to experiment with ideas and methods
- ◇ Appreciate the 'story' behind the invention
- ◇ Identify the advantages of working methodically to produce a solution
- ◇ Investigate a range of human inventions or ideas
- ◇ Consider the negative impact of an idea or product

Year 8 students will be expected to;

- ◇ Considers how the solution suits the need
- ◇ Is creative when problem solving
- ◇ Makes predictions about future developments
- ◇ Identifies how inventions or ideas have changed over time
- ◇ Understands the creative process of initial concepts and ideas
- ◇ Evaluates the solution with respect to aims or needs
- ◇ Describes how a modification to an idea of invention enhances it

Year 9 students will be expected to;

- ◇ Reflects upon the creative impact of others
- ◇ Understands the historical development of ideas
- ◇ Understands why and how inventions/systems have changed over time
- ◇ Identifies how a particular creation has improved and/or impacted our society
- ◇ Describes and explains the need/use of systems
- ◇ Actively participates in the discussion, innovation, creation and modification of a product or idea
- ◇ Makes judgements based on the individual usefulness of an invention or idea.

Year 10 students will be expected to;

- ◇ Reflects on how ideas evolve over time
- ◇ Understands that there are ethical values connected with all inventions and/or ideas
- ◇ Makes informed judgements about the ethical values of technology
- ◇ Evaluates the impact of human ingenuity on the world around us
- ◇ Recognises and understands the creativity in other cultures and how these developments have arisen
- ◇ Explains the conception of ideas and how they are developed.