Characteristics of More Able Learner in Design Technology

More able learners in design and technology may display a selection of the following characteristics:

- Have innovative ideas and a creative response to a problem
- Develop a design criterion to ensure product meets the needs of intended user
- High levels of technological understanding and application
- Demonstrate a high level of technical understanding being able to apply taught skills to a new problem
- High-quality making and precise practical skills
- Competently record and explain their ideas using a range of taught techniques including discussion, annotated, and exploded diagrams and prototypes
- Readily accept and discuss new ideas; conceptualise beyond the information given
- Select and use appropriate tools competently to create well-finished products
- High quality presentation and precision during the making process
- Highly original or innovative ideas
- Reflective and constructively self-critical
- Transfer and adapt ideas from the familiar to a new problem
- Capable of rigorous analysis and interpretation of products
- Conduct independent research to solve problems
- Work comfortably in contexts beyond their own experience and empathise with users' needs and wants
- Demonstrate an understanding of how key figures and events in DT have shaped the world
- Modify their design after testing to make improvements and can problem solve during the making process
- Draw effectively upon their knowledge of mechanisms to create and explain how their products work
- Use technical vocabulary with confidence