Specific Aims

Technology as a subject contributes towards learners’ technological literacy by giving them opportunities to:

- Develop and apply specific design skills to solve technological problems.
- Understand the concepts and knowledge used in Technology education and use them responsibly and purposefully.
- Appreciate the interaction between people’s values and attitudes, technology, society and the environment.

The intention is to introduce learners to the basics needed in Civil Technology, Mechanical Technology, Electrical Technology and Engineering Graphics and Design. Additionally, learners gain an idea of the way engineers apply scientific principles to practical problems. In addition, evaluation skills will be fostered and the introduction of product design and production will be useful in other FET subjects that use these skills – such as Consumer Studies and Design.

It is expected that Technology education will provide learners with some experience to help them to make career-oriented subject choices at the end of Grade 9.

Unique Features and Scope

Technology will teach learners the opportunity to learn:

- To solve problems in creative ways;
- To use authentic contexts rooted in real situations outside the classroom;
- To combine thinking and doing in a way that links abstract concepts to concrete understanding;
- To evaluate existing products and processes; and to evaluate their own products;
- To use and engage with knowledge in a purposeful way;
- To deal with inclusivity, human rights, social and environmental issues in their tasks;
- To use a variety of life skills in authentic contexts (such as decision making, critical and creative thinking, cooperation, problem solving and needs identification);
- While creating positive attitudes, perceptions and aspirations towards technology-based careers.
- To work collaboratively with others.