

## **DESIGN & TECHNOLOGY POLICY**

### **PURPOSE:**

**The purpose of the Design & Technology Program at Baden Powell College (BPC) is to:**

- Develop our student's skills so that they are able to apply knowledge, experience and resources to create products that are relevant to their needs i.e. food, wood, fibre, robotics.
- Ensure that our students develop competence in Design & Technology Studies through acquiring and applying their knowledge of materials, technological products, systems, information through the design and technology processes.

### **GOALS:**

**The college will ensure that students are able to:**

- Actively involve themselves in the technological processes of investigating, devising, producing and evaluating.
- Develop positive attitudes and understanding of the effects of technology on the physical environment.
- Develop knowledge and skills necessary for using a variety of equipment and resources.
- Develop and consolidate an understanding of the principles for safety using materials, operating systems, ingredients and system components.
- To explore, clarify and assess the past and potential consequences of using technology.
- Develop self confidence and self-sufficiency in dealing with technology.
- To use products in an innovative way to create solutions within real contexts to solve problems.

### **GUIDELINES:**

- Programs will be organised so that all students' report individually and/or collaboratively on the processes of investigation, devising, producing and evaluating, any related concern or successes.
- The College will seek involvement of the local and broader community, including developing links with industry.
- Technology is an integral part of the college curriculum and can be taught as an integrated approach or as an isolated topic. A variety of teaching methods will be utilised. It is to be cooperatively planned within Purposeful Learning Communities (PLC).
- Health & Safety Expectations issued by the Department would be adhered to and implemented.

## **IMPLEMENTATION**

All teachers will:

- Be required to work with their respective teams to develop and implement a joint technology course for all students, based on the 'investigating, designing, production and evaluating' phases of problem solving
- Produce a budget that provides for the needs of the Technology Program
- A coordinator will be allocated the responsibility of coordinating the College's Technology program, including possible special events
- Learning opportunities will be provided that cater for the identified needs of students

## **EVALUATION:**

- This policy will be reviewed, individually and in teams to evaluate their decisions with reference to design brief specifications
- This policy to be reviewed as part of the college's two year review cycle, individually, in teams and with the community in 2019.