Atherton State High School
On Eagles' Wings

Year 8 Industrial Technology and Design
Learning & Assessment Overview 2021

Semester 1				Semester 2		
ITD 08.01 **Pencil Box**	**ITD 08.02** **Metal Box**	**ITD 08.03** **Keey Rack**	**ITD 08.04** **Sliding Bevel**	**ITD 08.05** **Spice Rack**	**ITD 08.06** **Pirate Chest**	**ITD 08.07** **Battery Powered Vehicle**
This unit is an introduction to many foundation skills working with timber. When making a pencil box, the skills you will involve marking out, cutting, gluing, varnishing and using acrylic.	Metal Box: You will construct a simple metal box using the following practical skills: Marking, cutting, bending, folded edges, wired edge, riveting, lapped seams, (metal	This unit student will design a Key Rack, a device for holding all of your sets of keys so that they are not misplaced.	In this unit you will learn about metal technology and the tools, processes and production skills used to construct with this material. The two practical tasks will be: Sliding Bevel: You will make a sliding bevel for setting and transferring angles using the following skills: Marking, cutting out, sawing, shaping - filing, drilling, riveting, gluing	This unit is a progression of skills working with timber. During the production of the spice rack more advanced joint construction will be completed. A spice rack will very handy in the kitchen at home storing up to a dozen standard spice containers.	In this unit the pirate chest is just a fun project to make. It a simple to make and is made to look old and authentic by burning a flame over it so it looks like it been buried on a desert island for years	In this unit you will investigate, design and construct a Battery Powered Vehicle using multiple materials. You will develop annotated concept sketches that address the design brief and then a final solution with dimensions. Using the design you have created, you will construct your battery powered vehicle using a range of available materials. The project will be evaluated throughout all stages. Safety procedures and project management skills will also be integrated.
Unit Duration	**Unit Duration**	**Unit Duration**	**Unit Duration**	**Unit Duration**	**Unit Duration**	**Unit Duration**
Weeks 2 - 7 (6 weeks)	Weeks 8 - 10 (3 weeks)	Weeks 11 - 14 (4 weeks)	Weeks 15 - 20 (6 weeks)	Weeks 21 - 25 (5 weeks)	Weeks 26 - 30 (5 weeks)	Weeks 31 - 39 (9 weeks)
Assessment Task/s	**Assessment Task/s**	**Assessment Task/s**	**Assessment Task/s**	**Assessment Task/s**	**Assessment Task/s**	**Assessment Task/s**
ITD 08.01.01	**ITD 08.01.02**	**ITD 08.02.01**	**ITD 08.02.02**	**ITD 08.03.01**	**ITD 08.03.02**	**ITD 08.04.01**
Pencil Box *Technique:* Product *Mode:* Written + Practical *Conditions:* product completed in class, booklet in class + own time	**Metal Practical Task** *Technique:* Product *Mode:* Written + Practical *Conditions:* product completed in class, booklet in class + own time	**Key Rack** *Technique:* Product *Mode:* Written + Practical *Conditions:* product completed in class, booklet in class + own time	**Metal Practical Tasks** *Technique:* Product *Mode:* Written + Practical *Conditions:* product completed in class, booklet in class + own time	**Spice Rack** *Technique:* Product *Mode:* Written + Practical *Conditions:* product completed in class, booklet in class + own time	**Pirate Chest** *Technique:* Product *Mode:* Written + Practical *Conditions:* product completed in class, booklet in class + own time	**Battery Powered Vehicle Design** Technique: Product Mode: Written + Practical Conditions: product completed in class, booklet in class + own time
Issued: Week 2 *Due:* Week 7	*Issued:* Week 8 *Due:* Week 10	*Issued:* Week 11 *Due:* Week 15	*Issued:* Week 16 *Due:* Week 20	*Issued:* Week 21 *Due:* Week 25	*Issued:* Week 26 *Due:* Week 30	*Issued:* Week 31 *Due:* Week 39