







**Subject: Design Technology**

**Year: 9      Teaching block: 8**

**Topic: Application of Design Skills**

**Assessment week: w/b 11<sup>th</sup> Feb**

During this topic you will develop and demonstrate the following PLTS:

Creative thinker ✓		Team player ✓	
Reflective learner ✓		Effective participator	
Independent enquirer		Self-manager	

### What I will learn?

How to use Autodesk to draw F1 car

How to use workshop tools and equipment to shape softwood in a F1 model car

The differences hardwood, softwood and manmade board

How timber is seasoned and converted

About tools and equipment suitable to shape timber

About 'stock forms'

About suitable finishes for timber

About NEA requirements through carrying out a practice project

### Key vocabulary for this topic:

- Development
- Orthographic
- Extrude
- Hardwood
- Softwood
- Seasoning
- Conversion

### Independent learning

Produce an Orthographic drawing of an object at home

Draw an interesting household object in Autodesk

Identify joining methods on timber items around the home

Revision

### What will the best students be able to do/understand by the end of the topic:

Model a F1 car using Autodesk Inventor

Convert designs into working drawings

Produce a high quality timber model

Be able to explain the differences and uses for timber types

Be able to explain stock forms and select suitable finishes for timber

Understand and demonstrate the requirements of non-examined assessment (NEA)