

End of Y7 DT

How to Progress

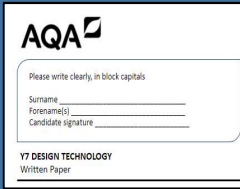
1. Pick and Strength and something you would like to improve on for Y8
2. Develop your DT skills and knowledge in Y8

How will you be Assessed?

Teacher Assessed on Test
Self Assessed - How you improved on your own target set at the start?

Why are you doing this Test?

1. To see how you have progressed from the Start of Y7 DT Test.
2. To see what you remember through your Y7 DT Projects.



4. End of Y7 DT Test

How to Progress

Review your previous targets
Pick and Strength and something you would like to improve on

How will you be Assessed?

Self/Peer Assessed throughout project
Teacher Assessed at Main Design and Making Points

How will you be Assessed?

Self/Peer Assessment throughout project
Teacher Assessment at End of Project

How to Progress

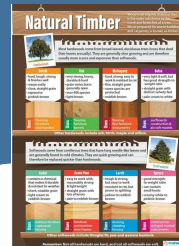
Pick and Strength and something you would like to improve on

3. Pull Along Toy Project



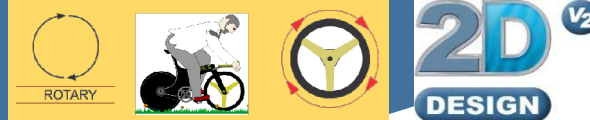
Why are you doing this project?

1. To build upon your hand tool skills by moving onto machinery



2. To learn about Natural Timbers, Softwoods and Hard woods focusing on Pinewood

3. To learn about Mechanisms and Motions



4. To start to use Computer Aided Design



2. To learn about the material Manufactured Boards focusing on Plywood



Why are you doing this project now?

1. To develop hand tool skills

2. Wooden Key fob Project



How to Progress

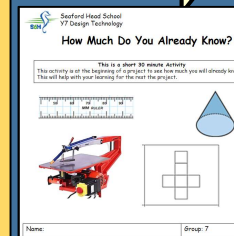
Pick something you would like to improve on over Y7

How will you be Assessed?

Self / Teacher Assessed for answers to Test

Why are you doing this Test now?

To see what DT skills, knowledge and experience you had at KS2.



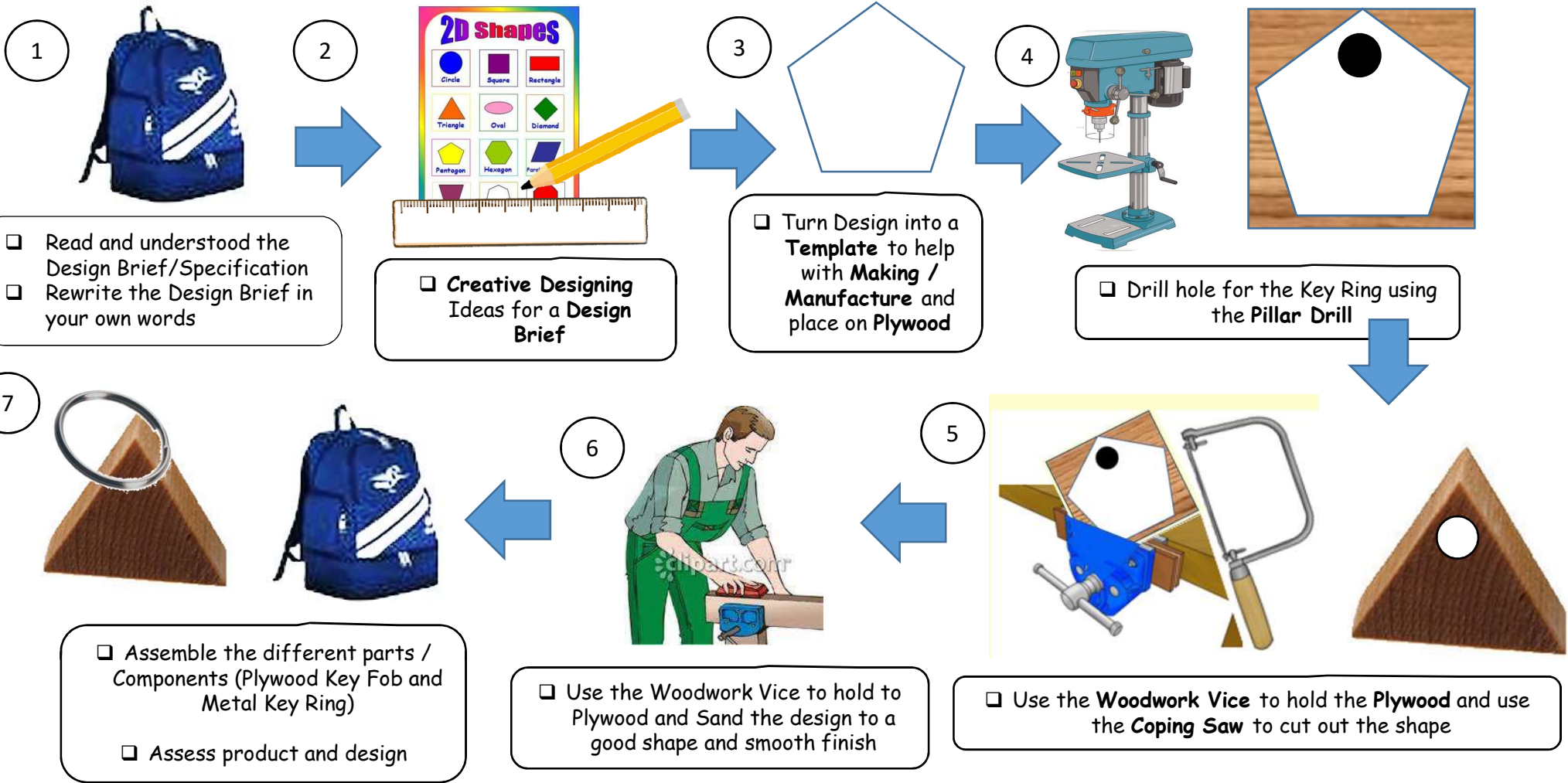
1. Start of Y7 DT Baseline Test

Start of Y7 DT

Y7 DT Project 1- Plywood Key Fob Learning Journey

- I am learning
 - To understand the Design Process of a project
 - To be able to prioritise your work for a project to able to become an independent learner

Task = As you work through the project **Tick Off** the work you have completed

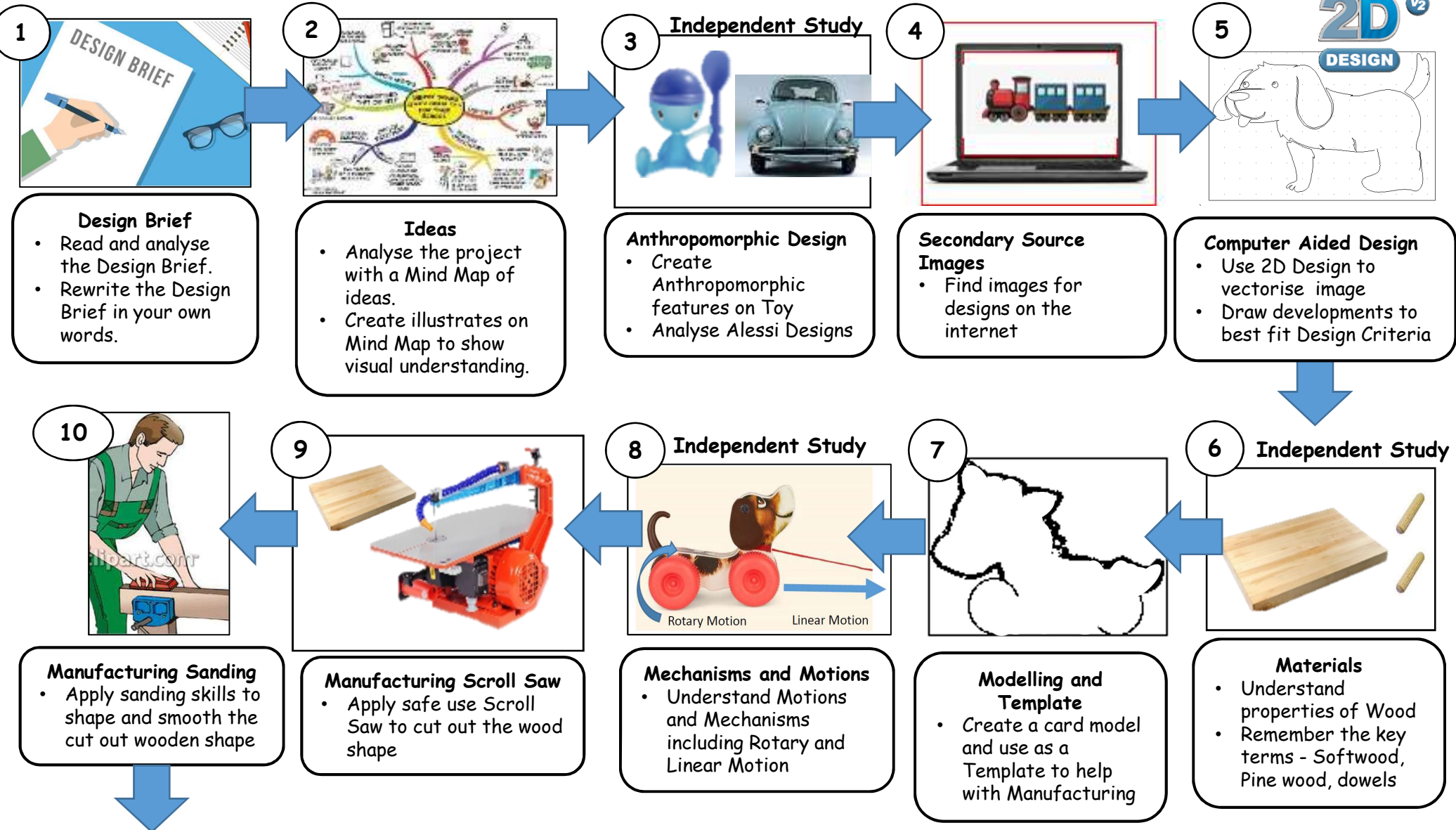


Y7 DT Project 2 Vehicles - Learning Journey

☐ I am learning

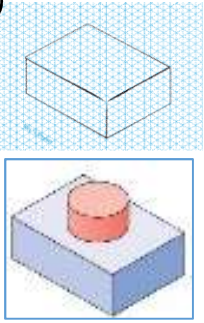
- To understand the Design Process (stages) of a project
- To help become an independent learner and able to prioritise your work for a project to

Task = As you work through the project **Tick Off** the work you have completed



Independent Study

11



Technical Drawing
• Create 3D drawings

12



Using the **CIRCLE TOOL**
Press the circle tool. Move the mouse cursor onto the screen and hold down the left hand mouse button. Move the pointer away from the original point that you made and you will find that you have created a circle.

Computer Aided Design
Create a tessellation of wheel designs using 2D Design to be emailed for laser cutting

13



Manufacturing Pillar Drill
• Apply safe use of Pillar Drill to drill holes for the axles

14



Assembling
Create final product by putting together components (parts)

Independent Study

16

AQA GCSE (9-1)



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Further Learning & Careers
Understand careers in DT and create a letter for a job

15

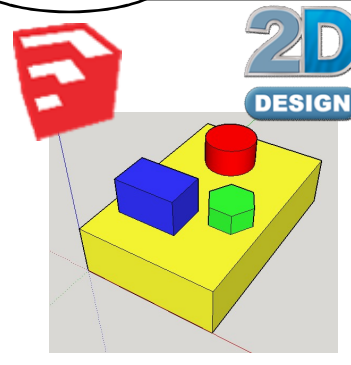


Project 2 - Vehicles - Understanding the Project			
You are learning about the main aspects (parts) of the project			
Self assess your understanding as you work through the project using RAG / Red, Amber, Green / Red, Amber, Green / Red, Amber, Green / Good understanding, Green / Good understanding			
The purpose of project			
✓	To understand what a Design Brief and Design Specification are and how they tell you what you need to do for a project.		
✓	To be able to create a product following the Design Process: From ideas, to design, to manufacture (making).		
✓	To understand how different mechanisms and motions work.		
✓	To understand the materials you can use and how to work with them.		
✓	To safely use tools and machinery to manufacture (make) a product.		
Key Learning			
✓	To know the difference between soft and hard wood.		
✓	To know the properties of the materials you are working with (Soft Wood, Pine Wood).		
✓	To know how mechanisms and motion, Linear and Rotary Motion.		
✓	To know and apply safety procedures for working with the Small Saw and Pillar Drill.		
The key skills			
✓	Safe use of the Small Saw to cut wood into a shape.		
✓	Safe use of the Pillar Drill to drill holes into wood.		
✓	Good handling skills to produce a product with a good finish.		
✓	Finishing: 20 and 30 degrees skills.		
✓	Computer Aided Design (CAD) skills.		
Links to other subjects and World Issues... Tick off what you have done	Links to other subjects (learning you did before)		
✓	Science - Understanding mechanisms and motion.	✓	Project 1 - Making a product (see for making, bringing ideas for a Design Brief - Knowledge of wood, Use of hand tools for cutting wood, Use of Pillar Drill for drilling holes, Good technique to create a good finish to a product
✓	Art - Sketching and drawing skills for ideas.		
✓	Design - Engineering (or Design) skills.		
✓	Maths - 3D Geometric Drawing.		
✓	Computer Science - Computer Aided Designing (Extension Task).		
✓	Environmental Issues - Sustainable wood.		

Evaluation
Review, RAG learning and Target Setting

If you have finished Manufacturing Extension Tasks

Ext 1



Computer Aided Design
Create a Computer Aided Design of your product

Ext 2



Surface Decoration & Finishes
Apply detail and surface decoration to the toy