

Design

- Design 1: diagram, description, advantages and disadvantages, design specification checklist
- Design 2: diagram, description, advantages and disadvantages, design specification checklist
- Design 3: diagram, description, advantages and disadvantages, design specification checklist
- Chosen design with justification
- Modifications

Analyse each sail boat against the brief and the design specification.

Annotate (label) each design; the following might be helpful:

- Sails
- Hull
- Tools and equipment required
- Keel
- Fixtures
- Rudder

Plan:

Draw up a table with the following headings as shown (or create a Gantt chart):

Date/Day/ Lessons/Week	Time Allocated	Activity	Who	Safety	Resources

Using this table produce a production plan outlining your estimated use of time and resources when creating your dessert.

Step-by-step plan

This must include: numbered steps, diagrams on how to make, measurements, explanation on how to construct e.g. how to fix the mast to the deck / hull.

Modifications

List any modifications made since the design stage.
Explain why the modifications were made.

Create:

Follow your production plan to prepare the model sail boat.

Modifications

Identify modifications made since the plan.
Explain the reasons for the modifications.

Process Journal

Keep a process journal for the create stage.

Be sure to include: photos that show the product in stages of production, your notes, regular dated-entries.

Criterion D: create

Maximum 6

Evaluate:

Evaluate the success of your dessert based on the **results of testing** and the **views of others**. Reflect on your own performance **at each stage of the design cycle** and suggests improvements. Consider the task as a whole and the impact it could have on life, society and/or the environment.

The evaluation proforma is saved on the server.

Attitudes

Attitudes when working in technology focuses on the overall assessment of two aspects:

- Personal engagement (motivation, independence, general positive attitude)
- Attitudes towards safety, cooperation and respect for others

DUE DATES

Investigate: 9-13 Feb

Design: 16-20 Feb

Plan: 23-27 Feb

Create / test: 2-14 March

Test 1: 16 March

Modify: 16-20 March

Test 2: 23 March

Evaluate: 23-27 March

Full report and product: 27 March