

# DESIGN AND TIMBERS LEARNING JOURNEY

## YEARS 9 - 11



Sixth Form?  
College?  
Apprenticeship?



GCSE EXAM

GCSE  
Timbers  
assessment  
hand in

Revision for the  
exam



Product  
analysis



Client group

YEAR  
11

GCSE  
assessment  
introduced

mindmap

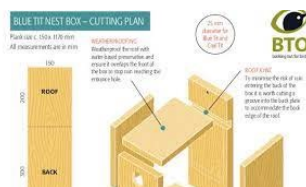


YEAR  
10

YEAR  
9



welcome



Making a GCSE  
PORJECT

Testing the  
final product

Evaluation of making  
and suitability

Ref	Test Results	Assessment Comments
A.1. Stability	Pass	Timbers were stable when used in the application, both in the static and in the dynamic tests. The weight of the box was not a factor in the assessment.
A.2. Strength	Pass	Timbers were strong enough to support the weight of the box and the contents. The weight of the box was not a factor in the assessment.
A.3. Durability	Pass	Timbers were durable enough to withstand the weight of the box and the contents. The weight of the box was not a factor in the assessment.
A.4. Cost	Pass	Timbers were cost-effective for the application. The weight of the box was not a factor in the assessment.
A.5. Sustainability	Pass	Timbers were sustainable for the application. The weight of the box was not a factor in the assessment.
A.6. Safety	Pass	Timbers were safe for the application. The weight of the box was not a factor in the assessment.
A.7. Health	Pass	Timbers were healthy for the application. The weight of the box was not a factor in the assessment.
A.8. Environment	Pass	Timbers were environmentally friendly for the application. The weight of the box was not a factor in the assessment.
A.9. Social	Pass	Timbers were socially responsible for the application. The weight of the box was not a factor in the assessment.
A.10. Ethics	Pass	Timbers were ethically sound for the application. The weight of the box was not a factor in the assessment.

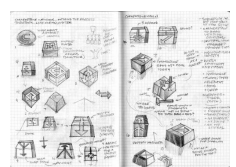


Making list

Card  
modelling



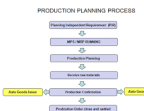
Design  
development



Review  
ideas



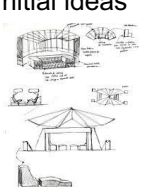
Production planning



Mock  
exam



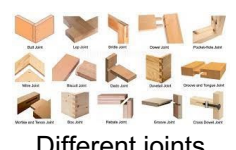
Initial ideas



Physical characteristics  
and properties



Different joints



assembly

Tools and  
equipment



Seasoning -  
timber



Timbers



3d Drawing



Forces/stresses



Wood finishes



Cutting list

Scales of production-  
one-off /  
batch/mass/continuous



Life cycle



Final design

Exploded  
views

Phone holder  
brief



Design  
brief

Design  
ideas

Strengths &  
improvements in  
modelling and  
testing



sustainability

Generation of  
power- fossil,  
renewable,  
Biofuel, nuclear  
power

Metals- ferrous  
/ no-ferrous

Plastics



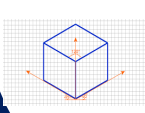
Modelling of  
the clock  
idea

Final design  
of the clock

Designing of  
the clock



Designs  
of clocks



Isometric  
drawing

Drawing and  
blending



CAD design



Spelling test for  
design

Evaluation of the  
final design

Health and  
safety



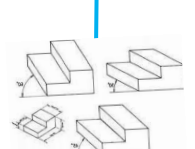
Key words  
For the subject



Skills  
project

Designer research h/w

Oblique  
drawing



1 dimension

2 dimensions

3 dimensions

Length

Width

Height

Depth

" Creativity is intelligence having fun" Albert Einstein