



## YEAR 8 DESIGN TECHNOLOGY



# THE JOURNEY OF LEARNING

### Intent

- design and make products that solve relevant problems
- make critical judgements of their own designs and those of others
- understand the core principals of any good design
- build awareness of global issues and contemporary design
  - take creative risks
- develop practical application
- appreciate the work of world class designers in a wide range of field

### Year 9 Summer Preparation

DIRT

Milestone Assessments



Isometric/Orthographic Drawing



Prototyping

### Year 8 Summer Term 2

#### BUG HOTELS



Timbers



Environmental Impact-Costing



Design Ideas/Annotation



Finishing / ergonomics



Product Evaluation



Habitats



The 5 R's



Designing for a client specification



Product Evaluation



Rapid production



Design Ideas/Annotation



Soldering



Emerging Technologies



Biomimicry



Product Analysis/Research



Literacy Focus-Reading designs-HABITATS



Finishing and ergonomics



Prototype



ACCESSFM



FSC timbers-Sustainability



Electronic components-conductive Dough

### Year 8 Summer Term 1



User Needs/Specifications



Designer Research and Analysis-Bauhaus

Careers Related- Emerging Technologies and RHS

Cultural Capital- Is to be found locally, nationally and globally

#### SOLAR CLOCK DESIGN



Product Evaluation

Milestone Assessments

DIRT



Sketching/drawing



Product Evaluation



Prototyping

#### BUG HOTELS



Design Ideas/Annotation



Finishing / ergonomics



User Needs/Specifications



2D Design 2D design



Lazer Cutter



Product Evaluation



Rapid production

Literacy Focus-Reading designers Work- Bauhaus

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Isometric/Orthographic Drawing



Joining



Environmental Impact-Costing

### Year 8 Spring Term 1

#### BUG HOTELS



Timbers



The 6 R's



Product Analysis/Research



Designing for a client specification



Finishing and ergonomics



Prototype



ACCESSFM



Soldering

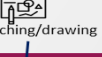
### Year 8 Autumn Term 2



Design Ideas/Annotation

Careers Related- Emerging Technologies and RHS

Cultural Capital- Is to be found locally, nationally and globally



Sketching/drawing



Product Evaluation



Designer Research and Analysis-Bauhaus



Emerging Technologies



Soldering



ACCESSFM



Soldering

### Year 8 Autumn Term 1 Rotation 1

#### CLIPBOARD



User Needs/Specifications



2D Design 2D design



Lazer Cutter



Product Evaluation



Designer Research and Analysis-Bauhaus



Emerging Technologies



Soldering



ACCESSFM



Soldering



Design Ideas/Annotation



Key skills and techniques used in design technology



Understanding what DT is



Understanding what DT is

Year 7

Application Assessments

DIRT

Milestone Assessments

Cultural Capital

Careers Related

Literacy Focus