



What is Parkside aiming to achieve through its Design Technology curriculum?

Further study in design technology in KS5 enables students to take their GCSE knowledge and progress further. This course develops students to take design risks and show innovation and enterprise whilst considering the role of a design practitioner. The course develops learners to think creatively, show innovation and be critical arising from the needs, wants and values of users and clients. Many employment opportunities within the field of design technology are available to graduates. Following success of studying at A level students could pursue further study at college, University or apply for an apprenticeship where you earn and learn.

Parkside School Subject Curriculum Plan

Subject: Design Technology - KS5

Year	Half Term 1	Half Term 2	Half Term 3	Half Term 4	Half Term 5	Half Term 6
12	<ul style="list-style-type: none"> Baseline assessment Baseline practical assessment Introduction to course <p>Exam Theory</p> <p>Technical principles</p> <p>1.1. Materials and applications</p> <ul style="list-style-type: none"> Timbers Metals Polymers Paper & board Composites <p>NEA Skills building</p> <ul style="list-style-type: none"> Drawing skills Use of marker pens Modelling Problem solving <p>Mixture of materials</p>	<p>Exam Theory</p> <p>Technical principles</p> <p>1.2. Materials and applications</p> <ul style="list-style-type: none"> Enhancement of materials Wasting processes Redistribution Fabrication Finishes <p>HT2 Assessment</p> <p>NEA Skills building</p> <ul style="list-style-type: none"> Drawing skills 2D & 3D CAD Problem solving mini makes 	<p>Exam Theory</p> <p>Technical principles</p> <p>1.6 Modern scales of production</p> <ul style="list-style-type: none"> Digital design & manufacture Requirements for PD Health & safety Protecting designs <p>Revision for mock exam</p> <p>Mock exam</p> <p>NEA Skills building</p> <ul style="list-style-type: none"> Drawing skills 2D & 3D CAD Problem solving mini makes Mixed materials and processes Use of CAD & CAM 	<p>Exam Theory</p> <p>Technical principles</p> <p>1.11 Design for manufacture</p> <ul style="list-style-type: none"> Feasibility studies Enterprise Design communication Design methods Design history <p>HT4 Assessment</p> <p>NEA Skills building</p> <ul style="list-style-type: none"> Drawing skills 2D & 3D CAD Problem solving mini makes Mixed materials and processes Use of CAD & CAM 	<p>Exam Theory</p> <p>Design & make principles</p> <ul style="list-style-type: none"> Design movements Key designers Major developments in technology Design processes <p>Start NEA</p> <p>Decide a client and problem</p> <p>Section A – Identifying & investigating design possibilities.</p> <p>HT5 Assessment</p>	<p>Exam Theory</p> <p>Design & make principles</p> <ul style="list-style-type: none"> Critical analysis Selecting tools and processes Accuracy in design Responsible design Design for manufacture International standards <p>NEA</p> <p>Section A – Identifying & investigating design possibilities.</p> <p>HT6 Assessment</p>

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Subject: Design Technology - KS5



Year	Year	Year	Year	Year	Year	Year
13	<p>Exam Theory</p> <p>Technical principles & design & make principles</p> <ul style="list-style-type: none"> Materials Finishes Wasting processes Redistribution Fabrication Modern scales of production <p>HT1 Assessment</p> <p>NEA</p> <p>Section A – Identifying & investigating design possibilities.</p>	<p>Exam Theory</p> <p>Technical principles & design & make principles</p> <ul style="list-style-type: none"> Digital design Requirements of PD Health and safety Protecting design Design for manufacture Feasibility Enterprise <p>HT2 Assessment</p> <p>NEA</p> <p>Section B – design brief and specification</p> <p>Section C – Development of design proposals</p>	<p>Exam Theory</p> <p>Technical principles & design & make principles</p> <ul style="list-style-type: none"> Design communication Design methods Design history Design movements Key designers Major developments in technology <p>Mock exam</p> <p>NEA</p> <p>Section C – Development of design proposals</p> <p>Section D – Development of design prototypes</p>	<p>Exam Theory</p> <p>Technical principles & design & make principles</p> <ul style="list-style-type: none"> Design processes Critical analysis Selecting tools & processes Accuracy in design Responsible design Design for manufacture International standards <p>HT4 Assessment</p> <p>NEA</p> <p>Section D – Development of design prototypes</p>	<p>Technical and design and make principles</p> <p>Exam preparation based on both papers to be sat in the HT6</p> <p>HT5 Assessment</p> <p>NEA</p> <p>Section D – Development of design prototypes</p> <p>Section E – Analysing and evaluating</p>	<p>Technical and design and make principles</p> <p>Exam preparation based on both papers to be sat in the HT6</p> <p>NEA</p> <p>Section E – Analysing and evaluating</p> <p>Completing any other areas/adding to marks before submission in May</p> <p>.</p>