



Year 10 Curriculum Grid

Design & Technology

Year/Term	Unit	Intent
Overall		<p>The Design & Technology Department at Ellesmere Port Catholic High School has a clear vision. That vision is DESIGN.</p> <p><u>'Developing Exceptional Students In Gods Name'</u></p> <p>We intend to develop our existing community of extraordinary D&T and STEM students who have flourished alongside their department with the unquestionable support of the Design & Technology Teaching Team which has respect, love, faith and hope rooted at its core.</p>
Autumn 1	3D Digital Design	<p>Students will participate in, learn and develop the following:</p> <ul style="list-style-type: none"> • Understanding the role of CAD/CAM in Design Technology • Understanding the role of CAD/CAM in industry • Developing CAD skills using software such as Google Sketch Up, Solidworks and 2D Design.
Autumn 2	Continuation 3D Digital Design	<p>Students will participate in, learn and develop the following:</p> <ul style="list-style-type: none"> • Developing CAM skills using a Roland Camm, 3D Printer and Vinyl Cutter • Working towards gaining an understand of how CAD and CAM processes communicate in industry.
Spring 1	Theatre, Film and Television	<p>Students will participate in, learn and develop the following:</p> <ul style="list-style-type: none"> • Gaining an understanding of the theatre, film and television industry • Developing an understanding of how designers and manufactures communicate with directors • Analysing and interpreting scripts for design and manufacture • Production of scale and prop models
Spring 2	Continuation Theatre, Film and Television	<ul style="list-style-type: none"> • Design, manufacture and evaluation of a singular prop for theatre, film or television • Design, manufacture and evaluation of a group prop or set for theatre, film or television.
Summer	Assessment Preparation	<p>Students will participate in, learn and develop the following:</p> <ul style="list-style-type: none"> • Workshops in how to interpret and understand the examination context and brief • Examination preparation in the workshop – health and safety and how to manage practical work independently • Primary research and investigation opportunities