

## Product - Year 9 End of term 1

Expectations	Classwork, homework and assessments shows student has knowledge of		
	<b>User centred design</b>	<b>Iterative design</b>	<b>Ergonomics</b>
	<b>Anthropometrics</b>	<b>Rapid prototyping</b>	<b>Writing a brief</b>
<b>Developing</b>	<p>The student is able to understand the design process including user centred design and iterative design. They have been able to write a basic design brief. They are able to incorporate ergonomic and anthropometric considerations in their design and have explored rapid prototyping and safely used basic techniques using card. They have developed a design for their smart speaker in sketch form which has a link to the key inspiration. Assessment is currently based upon key pieces of work as well as knowledge organiser testing.</p>		
<b>Secure</b>	<p>The student is able to clearly understand the design process including user centred design and iterative design. They have been able to write a concise design brief. They are able to incorporate ergonomic and anthropometric considerations effectively in their design and have explored rapid prototyping and safely used basic techniques using card with a good degree of accuracy. They have developed a range of designs for their smart speaker in sketch form which clearly link to the key inspiration. Their sketching demonstrate a level of confidence. Assessment is currently based upon key pieces of work as well as knowledge organiser testing.</p>		
<b>Complex</b>	<p>The student is extremely confident in their understanding of the design process including user centred and iterative design. They have been able to write a concise and detailed design brief. They are able to easily incorporate ergonomic and anthropometric considerations effectively in their design and have explored rapid prototyping and safely used basic techniques using card with a high degree of accuracy. They have developed an excellent range of designs for their smart speaker in sketch form which clearly link to the key inspiration. Their sketching is detailed and demonstrates a level of confidence. Assessment is currently based upon key pieces of work as well as knowledge organiser testing.</p>		