



Year 8 Product Design 2018-2019

<u>Autumn Term</u>	<u>Topic</u>	<u>Further Details About The Topic</u>
September - December 2018	Flying creatures	<p>Students design and make a flying creature, which will fly, by flapping its wings, when the cord is pulled.</p> <p>Tasks include: designing creatures on paper, modelling parts in card, then making the creature in plywood. Other tasks include: researching the brief, considering the potential target market, writing a specification and evaluation, producing accurate designs to a given size, cutting out, drilling, sanding and painting the creature.</p>
<u>Spring Term</u>	<u>Topic</u>	<u>Further Details About The Topic</u>
January - April 2019	CAM toys	<p>Students design and make a CAM toy.</p> <p>Tasks include: designing the toys on paper and making CAM toy. Other tasks include: researching the brief, considering the potential target market, learning about CAMs and mechanisms and considering the types of movement made, writing a design brief, a specification and evaluation, producing accurate designs, cutting a lap joint and the parts of the toy in pine and dowel, using a tenon saw, a coping saw and the pillar drill.</p>
<u>Summer Term</u>	<u>Topic</u>	<u>Further Details About The Topic</u>
May - July 2019	Mechanisms, graphics and card modelling.	<p>Students design and make a range of card products, including design for a theatre set.</p> <p>Tasks include: researching and designing ideas on paper, cutting and modelling in card, constructing mechanisms in card, learning about levers and linkages and constructing a range of levers in card. This will lead to the construction of a theatre set.</p>