

Ovingham Middle School Subject Overview Year 5



Subject: Design Technology - The 3 Year 5 classes are split into 4 mixed groups for the teaching of DT. This allows for smaller

class sizes, ideal for teaching practical skills. Each group spends 9 weeks with an individual teacher and will visit 4 teachers over the course of the year.

Topic	Introduction to Design Technology	Product Design 1	Product Design 2	Food Studies	Art
Areas of curriculum covered	<p>Know what Design Technology entails at OMS.</p> <p>Work as a team to identify products that have had a major impact on people's lives.</p> <p>Work as a team to research who invented one of the identified products, what inspired the invention and the impact it has had on people's lives.</p>	<p>In Product Design, pupils are given the opportunity to learn how to use a range of hand tools safely. This includes learning how to use a coping saw, Tenon saw, and hammer, screwdriver, centre punch, bradawl, tri square and hand drill. Once familiar with the tools, pupils design a safety poster to advertise how to use one of them safely. In the last part of the project pupils utilize their new skills to make a litter picker incorporating levers and linkages.</p>	<p>Pupils explore simple mechanisms through the medium of pop-up books. They analyse the effects of different movements using levers and pivots, constructing card model kits to practise and test ideas studied. Pupils are then encouraged to use the principles explored to design and make their own pop-up mechanisms. Throughout the unit of work, pupils are encouraged to present their ideas carefully and reflect upon them, keeping notes as to the strengths of, and potential improvements for, each model or design.</p>	<p>Pupils will prepare a range of dishes that develop basic skills eg peeling, chopping, grating, mixing, the rubbing in method, grilling and baking. Pupils will investigate what makes a healthy diet and also explore how food is grown, reared, caught and processed. Examples of Year 5 recipes include fruit salad, dippy divers, Croque monsieur, fruit crumble and scones.</p>	<p>Art, whilst not part of the Design Technology curriculum is taught as one of the four classes of the 'carousel'. In year 5 pupils begin by learning some more subtle drawing techniques and the importance of careful observation. They learn how to use a single vanishing point and draw a 'TARDIS' in perspective on an imagined environment. Finally, they learn key techniques for shaping and joining clay, creating small imaginary 'creatures'.</p>
Links To RRSA	1, 2, 3, 13, 15, 28, 29, 31	1, 2, 3, 13, 15, 24, 28, 29, 31	1, 2, 3, 13, 15, 28, 29, 31	1, 2, 3, 13, 15, 24, 28, 29, 31	

Please be aware that each class is unique and although the above planning will be followed as close as possible, at times, and with individual classes, we may deliver deeper, extended learning into a topic, move faster to another topic or go slower to make sure we have clarified learning.

If you are in any doubt or have any specific questions about this subject please contact the subject coordinator : Mr Wright