

	Required prior knowledge	Knowledge to be explicitly taught	How knowledge will be built upon
Substantive knowledge	<p>Construction If an object is balanced, that means it is not moving. For boxes to balance you need to put the biggest ones on the bottom. (YR Aut)</p> <p>Joining is putting two things together. You can use materials such as glue to join. (YR Aut)</p> <p>How to use scissors correctly. Scissors can be used to cut different materials. (YR Aut)</p>	<p>Construction <i>Revisited from YR Aut:</i> Scissors are used to cut different materials. Glue can be use to join different materials together.</p> <p>Houses are made from bricks because they are more stable and durable.</p>	<p>Construction Floating is when an object rests on the surface of the water without sinking. (YR Sum)</p> <p>Sinking is when an object falls or drops slowing into the water. (YR Sum)</p> <p>On a ship, each flag has a different meaning. They can be used to pass messages between ships. (YR Sum)</p> <p>The names of different materials. (YR Sum)</p>
Disciplinary knowledge	<p>Construction I can balance and stack different objects. (YR Aut)</p>	<p>Construction I can explain why I have chosen certain materials to build or create. <i>ELG - Share their creations, explaining the processes they have used.</i></p> <p>I can select tools for a purpose and use them successfully. <i>ELG – use a range of small tools, including scissors.</i></p> <p>Continued from Autumn Term to ensure children are secure in using scissors and glue: I can cut using scissors correctly and join materials together to create props for role play. <i>ELG – Make use of props and materials when role playing characters in narratives and stories.</i></p>	<p>Construction I can explain which objects float or sink in the water. (YR Sum)</p> <p>I can design a flag for a ship and explain its hidden message. (YR Sum)</p> <p>I can name different materials and explain what they can be used for. (YR Sum)</p>

Culture and Diversity - which helps pupils to develop enquiring minds about the wider world.

Designers and architects from different countries, genders and periods of time are focused on within DT.

Designers/Architects/Inventors:

Environment and Community - which helps to instil in our pupils a respect for our environment and for our local and wider communities.

Children are taught how to use different materials without creating waste and damage for the environment. Recycled materials are also reused within DT and children regularly use old boxes and junk modelling within construction.

Eco: free access to 'MAKEDO' kits and cardboard during choice and challenge; use of recycled materials (e.g. toilet rolls) to practise cutting skills

Creative arts and physical development - which helps our pupils to express themselves and excel as holistic learners.

Children use construction to present their new knowledge in different ways, particularly in the outdoor area.

Physical development: using scissors and cutting successfully is a key skill and will support their fine motor development; Three Little Pigs Commando Joe's missions.

Learning to learn - which helps pupils to concentrate and focus and build resilience as learners.

Children need time outside within the construction area in order to focus within the classroom. Constructing allows the children to work together, developing both their teamwork skills and resilience.

Across the curriculum: using scissors correctly is a key skill that can be applied across the curriculum

Books: I Am Not a Toilet Roll; The Recycling Project Book; Let's Build a House by Mick Manning