

# Year 1: Summer

# Our Learning Leaves Curriculum – DT

	Required prior knowledge	Knowledge to be explicitly taught	How knowledge will be built upon
Substantive knowledge	<p><b>Construction</b> Floating and sinking materials and objects. (YR Sum)</p> <p><b>Textiles</b> <b>Materials</b> are something you can touch, that has a name. (YR Spr)</p> <p>What different materials are like and what they are best used for. (YR Spr)</p>	<p><b>Construction</b> Boats are able to <b>float</b> on water when though they are heavy. This is because the air circulating inside the boat creates <b>buoyancy</b>.</p> <p>If something is <b>buoyant</b> it is able to keep afloat or rise to the top of a liquid.</p> <p><b>Pouring</b> is creating a flow, usually from one container to another.</p> <p><b>Textiles</b> A <b>running stitch</b> is small even stitches that do no overlap.</p> <p><b>People</b> <b>Jacques Cousteau</b> was a French naval officer who created the aqua lung, which helps people to breathe under water.</p>	<p><b>Construction</b> The first <b>bathing machine</b> was made from wood and canvas. The machines were used to conceal bathers when changing. (Y2 Sum)</p> <p>To use a glue gun <b>safely</b> you need to keep your hands away from the hot glue and make sure no one trips over the cable. (Y2 Sum)</p> <p><b>Textiles</b> <b>Textiles</b> are a type of cloth or woven fabric. (Y2 Spr)</p> <p><b>Hannah Rampley</b> is a textile designer from the UK. Her work is modern, bright and colourful. (Y2 Spr)</p> <p>A <b>blanket stitch</b> runs along the edge of the material to make it stronger, but a <b>running stitch</b> is used to join two pieces of material together. (Y2 Spr)</p>
Disciplinary knowledge	<p><b>Construction</b> I can design, make and evaluate a telescope, thinking about how I can make it stronger. (Y1 Aut)</p> <p><b>Textiles</b> I can change the colour of a material by dyeing it using spices and teas. (Yr Spr)</p>	<p><b>Construction</b> I can design and make a boat that floats on water. I can evaluate the success of my boat.</p> <p><b>Textiles</b> I can explore and explain materials that will float and sink.</p> <p>I can use a running stitch to create a design or to join two pieces of material together.</p>	<p><b>Construction</b> I can cut and join different materials together to create a Tudor house. (Y2 Aut)</p> <p>I can use tools safely to make a bathing machine, by joining different materials together. (Y2 Sum)</p> <p><b>Textiles</b> I can alter the appearance of fabric in the style of Hannah Rampley. (Y2 Spr)</p> <p>I can use a blanket stitch to create a glove from an astronaut or Traction Man. (Y2 Spr)</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:** Jacques Cousteau, France (1910 – 1997)

**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:** focus on the issue of plastic pollution in the oceans

**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:** secure fine motor skills are needed to use a running stitch successfully, to join two pieces of material together; pouring water between different objects.

**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:** History – designers/architects/inventors are added to the classroom timeline and children explore what the time period was like and how things have changed. Geography – the impact of plastic pollution and the importance of recycling.

**Books:** Manfish: A Story of Jacques Cousteau by Jennifer Berne