

Year 3/4 DT Autumn 2 2023
Sessions and Key Learning

Session	Key Learning	Activity
1	<p>Exploring pneumatic systems Does water have power? What causes waves? How is most electricity made?</p>	<p>Introducing key vocabulary Exploring pneumatic systems through experiments with tubing and syringes CH: What happens when a tyre is pumped up?</p>
2	<p>Designing a pneumatic toy What are our key components? What will move on our toy? What will our inputs and outputs be?</p>	<p>Vocabulary matching in pairs Share STEM video link and discuss share ideas Complete initial thumbnail sketches</p>
3	<p>Designing a pneumatic toy What is its purpose? What pneumatic systems will you use?</p>	<p>Review thumbnail sketches Exploded diagram for idea Detail materials to be used</p>
4	<p>Creating a pneumatic system How will your design work?</p>	<p>Present ideas to class – act like a professional. Building casing and pneumatic system</p>
5	<p>Creating a pneumatic system Which ones work best and why?</p>	<p>Experiment, amend and review Complete moving model Peer assessment</p>
6	<p>Decorating our pneumatic toy</p>	<p>Complete design and share with Year 1/2</p>