

Alderman's Green Design Technology – Autumn Term 2022

Key Stage 1	Year 1	
	Practical skills, techniques and technical knowledge	Context
Tools and Joining	Cut accurately and safely with scissors Join appropriately using tape and basic glue (stick)	Throughout the term CH can be shown how and make various different sliders and levers using the theme of Dinosaurs and the Stone Age. Also fits nicely with English units - such as traditional tales and other units linking characters to settings. Design, Make, Evaluate: <i>To design and make a movable Christmas card for someone who is special to you</i>
Mechanisms	Create levers and sliders	
Structures	Fold, tear, roll and cut paper and card Create simple hinges and pop ups	
Vocabulary	slider, lever, pivot, slot, bridge/guide, card, masking tape, paper fastener, join, pull, push, up, down, straight, curve, forwards, backwards, design, make, evaluate, user, purpose, ideas, design criteria, product, function	
Questions to support with planning and assessment	Developing, planning and communicating ideas: <ul style="list-style-type: none">• Can they think of some ideas of their own?• Can they explain what they want to do?• Can they use pictures and words to plan? Working with tools, equipment, materials and components to make quality products: <ul style="list-style-type: none">• Can they explain what they are making?• Can they explain which tools are they using? Evaluating processes and products: <ul style="list-style-type: none">• Can they describe how something works?• Can they talk about their own work and things that other people have done? Mechanisms: <ul style="list-style-type: none">• Can they operate sliders and levers?• Do they know that different mechanisms create different types of movement?• Can they join materials together as part of a moving product?• Can they add some kind of design to their product?	

Ideas:



Useful links:

- http://www.bamptonprimaryschool.org.uk/wp-content/uploads/2017/09/3_4-Levers-and-linkages.pdf (information sheet all details you need to know about what you are teaching)
- http://www.longton.lancs.sch.uk/serve_file/627573 (Refers to year 3 but has some nice ideas for the CH to try and make)
- <http://www.millrythejunior.co.uk/wp-content/uploads/2021/11/Year-3-DT-Mechanical-Systems-Knowledge-Organiser-Parents.pdf> (Again refers to Year 3 but does have the stages of development with WALTs)
- <https://christchurchschool.co.uk/wp-content/uploads/2020/12/Y2-DT-Moving-cards.pdf> (Year 2 this time but follows process)