

<u>Year Group: 5</u>	<u>Topic:</u> <u>Kites</u>	<u>Term: Spring 2</u>	<u>Main Focus:</u> <u>Stiff and flexible sheet materials</u>
<u>Rationale For Topic-</u> Pupils will be learning about mountains and the weather conditions surrounding these. The weather conditions in mountain areas are perfect for kite flying; children will study people that live in mountain areas and will have a user to plan a product for. Pupils will learn that not all communities have access to the things that we take for granted, such as wifi and electricity and that some communities make their own entertainment in other ways.			
<u>Lesson Number</u>	<u>Learning Objective (s):</u>	<u>Success Criteria:</u>	<u>Brief outline / reasoning for sequence</u>
1	LO: To gather ideas about a product.	- I can research a product - I can identify key features of a product - I understand the importance of these key features	To start any new project of DT the children need to be able to research their product and find all of the information they need to support their designing. This will help them create an appropriate design.
2	LO: To take a user's view into account when designing a product.	- I can identify a user - I understand the user's needs - I can explain why the user has these needs.	To create a good product, pupils need to have a clear understanding of who the product is aimed at and what their needs are. Children will gain a good understanding of the user and will be able to explain what would make the product useful to them.
3	LO: To suggest alternative plans explaining drawbacks and good points.	- I can create a plan for a product. - I can identify strengths in my product. - I can identify areas to develop further.	Children will plan and design a product and will work with a partner to evaluate and improve this before the 'making' stage to ensure that their product is the best that it can be and to identify any areas that may cause a potential issue during the making process.
4	LO: To ensure measurements are accurate and precise.	- I can choose a suitable unit of measure. - I can use tools and equipment effectively.	Children will measure and cut materials needed and begin to create their product. Children will be reminded of the importance of selecting an appropriate unit of measurement *MATHS Link

		- I can double check measurements made.	
5	LO: To ensure that their product is strong and fit for purpose.	- I can explain the purpose of my product. - I can carry out a test. - I can make necessary alterations where needed	Children will be encouraged to check that their product is fit for purpose as they go through the making process, strengthening it as needed. They will be encouraged to keep the product purpose in mind and will consider ways their kite could be strengthened. The product should be completed by the end of this session.
6	LO: To check that their design is the best that it can be.	- I can evaluate my product - I can discuss improvements I would like to make. - I can explain why my product is fit for purpose.	To end the unit, children will be given the opportunity to test fly their kites and evaluate the design that they have created. Children will be asked to explain what they think are good design features and how they would improve on this and develop if further if they were to make another one.