

Topic: KS3 Papers & Boards		Duration: 6 Lessons		Composite: Topic & Test	
Key vocabulary:	Core knowledge Components		Powerful knowledge components crucial to commit to long term memory		Links to previous and future topics
Papyrus Cellulose Surface finish Structure Formation Mesh deckle, Finishing Fluted Matt Pigment Gsm Proportion Iso 216 Net Die Crease In-line process Mountain fold Valley fold	<ol style="list-style-type: none"> 1. What properties are needed from paper. 2. 3 modern types of paper. Newsprint, copy and cartridge. 3. How paper is made and what it is made from 4. What WFBB and corrugated board are + how they are produced 5. How paper and boards are measured. 6. The common sizes paper and boards come in. 7. What a net is 8. What is meant by a paper mechanism 		<ul style="list-style-type: none"> • The structure of papers and the role that cellulose has in making papers. • The impact the paper industry has had in changing our lives and has on the environment. • The differences and advantages of each of different papers and boards • How paper and boards measured and why the Iso 216 system is used • How nets are cut creased and folded in industry to produce paper and card based products. • What mechanisms and embellishments are and why they are used in paper and card products. 		<p>Reflection on expected code of conduct in the workshop.</p> <p>Reflection on any experience in Primary school when working with paper and boards previously.</p> <p>Links to Y7 plastics – 6Rs and the environment.</p> <p>Links to year 9 metals topic covering properties and qualities</p> <p>Test – quiz based upon core and powerful knowledge</p>
Impressive reading		Impressive speaking	Impressive writing	Resilience	Employability via:
<ul style="list-style-type: none"> • Use of knowledge sheet for revision and testing. • Papermaking info sheet 		<ul style="list-style-type: none"> • Explanation of papyrus structure 	<ul style="list-style-type: none"> • Explanation environmental impacts of paper industry. 	Perseverance when errors are made with cutting and folding as accuracy is a key element of precision construction with paper.	Confidence when presenting. Independent working. Time management. Creativity CA – Commercial Awareness, VC – Verbal communication, A&I Analysing and Investigating.
SEND					
Key Vocabulary introduced and repeated throughout new topic.					
Skills ordered logically and sequenced with an increase in complexity					
Repetition: A ‘starter’ question presented at the start of the lesson to allow students to ‘think hard’ about previous experiences and/or content learned last lesson.					
Multi-sensory: Fine motor skills - self-care relating to tying up an apron and securing a bow, use of a bobble to tie up long hair. Accuracy and reaction time when using craft knives and safety rules. Exposure to loud noises from machinery. Sensitivity to workshop environment / dust / hazards. Some students may need additional support or smaller groups during the use of craft knives and safety rules and machinery.					
Technology: Technologystudent.com - website for reference material.					
https://www.thesprucecrafts.com/brief-history-of-origami-2540653 - For reference to impressive reading and writing task.					