

Year 1: Computational Thinking with Cubetto Unit 1: Lesson 2: Cubetto's Papyrus

6 Cubettos and 6 boards

• 6 Ancient Egypt maps

• 6 sets of blocks (4 of each colour)

Cross-curricula area: Art / Design

NC Objectives	Outcomes	Computational thinking	Resources provided	Resources needed
To understand that	I can put instructions in the right	Concept Approach		Five-step instructions to make paper
programmes execute	order	Logic Tinkering		(drawings and pictures)
by precise instructions	I can follow instructions to make			Glue, water, brown paper bags cut into
	paper			strips, kitchen towel
				[If possible, papyrus paper]
Preparation <u>needed</u>	1. [If possible, hand out papyrus paper for children to feel and discuss]. 2. Show short video explaining how to make papyrus paper: https://www.youtube.com/watch?v=mBnEMUvlNvl&t=99s and ask: What is our paper that we use today made from?			
Print copies of the				
instructions and	_			
•	cut into strips for children to order. Cover tables in newspaper. Show the five steps for making paper on the board, mixed up e.g. Lay down kitchen towel; dip strips of brown paper into glue mix; lay strips across kitchen towel overlapping each other; dip and lay more strips going downwards; dry paper. Show the five steps for making paper on the board, mixed up e.g. Lay down kitchen towel; dip strips of brown paper into glue mix; lay strips across kitchen towel overlapping each other; dip and lay more strips going downwards; dry paper. Ask: What is the first thing that we have to do to make paper like the Ancient Egyptians? Write five numbers descending on the board and ask for a volunteer to move the first step to number 1. Explain that the children will be making their own papyrus paper today by following instructions.			
newspaper.				
Key vocabulary	Guided activity			
Papyrus	Read the instructions for making papyrus paper together.			
1	2. Ask: What is special about the way that papyrus is made? Strips laid across and then down. 3. Ask: Why do we need to put down kitchen towel? 4. Allow time for the children to follow the instructions at their own pace, supporting as necessary. 5. While pupils are working, ask: Why do you think they put the paper across one way and then downwards? 6. When finished, pupils can write their name carefully on the kitchen towel and leave to dry (ideally hanging up). 7. When it's dry, children can write a message about what they have learnt to take home. Independent activity 1. Look at the set of five instructions for making papyrus paper. 2. Discuss with a partner which goes first and why.			
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get nome nom school:				
	3. Put the instructions in the right order to make an algorithm.			
	4. When you have finished, stick them on paper to use in the next activity.			
Creative play	Plenary and assessment			
Make up your own	1. Invite pupils to the front to show their papyrus paper and explain how it was made.			
written language using	2. Show the five steps in the wrong order and ask pupils to re-order the instructions.3. Ask: What is an algorithm?			
symbols.	4. Ask: Why is it important for our instructions to be in the right order?			
	5. Explain that they will be using algorithms to make Cubetto move, and it is very important that each step is in the right order or it won't			
	reach its destination!	inio to make educate move,	and it is very important the	at sach stop to in the right order of it won't