

Year 1: Computational Thinking with Cubetto Unit 1: Lesson 3: Cubetto's Trade

• 6 Cubettos and 6 boards

• 6 Ancient Egypt maps

• 6 sets of blocks (4 of each colour)

Cross-curricula area: Humanities

NC Objectives	Outcomes	Computati	onal thinking	Resources provided	Resources <u>needed</u>
To understand that	 I can say what each block does 	Concept	Approach	Direction cards	Drum beats (e.g. military)
programmes execute	I can work with a partner to trade	Logic	Persevering		
by precise instructions					
Preparation needed	Teacher-led introduction				
 Check batteries. 	1. Ask: Does anyone know how to remember which is their left and right hand? e.g. make an 'L' with your left forefinger and thumb.				
 Check sound. 	2. Ask children to stand up and start the drum beat music.				
 Pin the Egypt map 	 Model marching on the spot and ask the children to join in. Announce, "Turn left!" and model turning to the children's left. Repeat with right/left quarter turns, always coming back to the centre. 				
on the wall at the	5. Ask for a volunteer who feels confident with their left and right to stand at the front, facing in the same direction as the rest of the class.				
front of the class.	6. Class follows the volunteer's instructions while the drums play.				
Copy and print	7. Show the Egypt map on the wall and the direction card. Ask: If I am facing forward at the sphinx, which direction do I need to turn to				
direction cards.	face the dune buggy?				
Book use of the boll/playground	8. Repeat for other squares on the grid, prompting children to refer to the direction card if they are unsure.				
hall/playground. Key vocabulary	Independent activity [begin without the blue block]				
Left	1. In small groups, look at all the coloured blocks.				
Right	2. What do you think the green one does? Try putting the green block in the board and press the Action button.				
Quarter turn	3. What do you think the yellow one does? Try it out, then try out the red block too.				
Direction	4. Do all the green blocks do the same thing? What about the yellow and red blocks?				
Birection	5. Try another group's blocks. <u>Does the red do the same?</u> 6. Try to memorise what each block does. <u>Can you think of a way to remember that left is yellow and red is right?</u>				
Challenge	Guided activity [in the hall/playground, after the independent activity]				
Can you make	1. Put the class into mixed ability pairs.				
Cubetto turn around?	 Explain that the class is getting to play a trading game. Trading mounts giving definiting year nave and getting definition year. Introduce the aim of the game: to end up with only three blocks, one left, one right and one forward. When the achieve this, they can stand to the side of the game and watch the others. Model showing your two left and one right blocks, then find and ask a pair for their forward block in exchange for one left. 				
		et all three blocks after the first turn, they will have to ask different pairs and keep trying again.			
	7. Hand out one, two, three or four coloured blocks to each pair, at random, making sure no pair has all three colours.				
8. Begin the trading! After 5 minutes, stop the group and ask: Who has managed to trade a block? How did you do it?					
Creative play	9. If necessary, support pairs who are struggling to find trade deals by trading with spare blocks yourself.				
Creative play	Plenary and assessment 1. Ask pupils to stand up and show them the yellow block. Ask: Which direction would Cubetto turn if we used this block? Children turn left.				
Role play trading in a marketplace with gold,	2. Repeat for other blocks and ask volunteers to come to the front to do the same, picking a block at random for the class to model.				
animals and plants.	3. Explain that each block of the same colour tells Cubetto to do one particular thing. All yellow blocks turn left and all red blocks turn right.				
ariiriais aria piarits.	2. Explain that each block of the same colour tells oubetto to do one particular thing. All yellow blocks turn left and all red blocks turn light.				