

Annual Teaching Plan			
GRADE R Term 1			
TERM 1	Practical competencies		Theory competencies
Week 1	C3		NONE
	Coding	Learners follow instructions physically to get to know classroom. (No grids)	
	Robotics	NONE	
	Digital concepts	NONE	
Week 2	C1 (patterns) C6		R1
	Coding	Follow an algorithm by following the patterns. Learners recognise, identify and explain repeating patterns	
	Robotics	Learners distinguish that robots are helpers that only follow instructions. No independent thinking.	
	Digital concepts	NONE	
Week 3	C3		D2
	Coding	Learners interpret and follow arrows on a grid.	
	Robotics	NONE	
	Digital concepts	We are digital citizens that use certain computing devices. As citizens, we have responsibilities	
Week 4	C1 (decomposition)		D3
	Coding	Sequence the story in beginning, middle and end. Use pictures. Learners decompose the story.	
	Robotics	NONE	
	Digital concepts	What is a computing device? Phone that stores data like numbers and photos	
Week 5	C1 (abstraction)		R1
	Coding	Identify common features and remove what does not fit.	
	Robotics	Robots come in different forms, but they all follow instructions.	
	Digital concepts	NONE	
Week 6	C6		D2
	Coding	Identify and explain the patterns	
	Robotics	NONE	
	Digital concepts	Discuss balanced screen-time and identify alternative activities	
Week 7	C1 C3		D3
	Coding	What is the algorithm to get to bed. Follow the instructions on the grid to see what the sequence is.	
	Robotics	NONE	
	Digital concepts	What is a computing device? Respectful and healthy uses of computing devices	
Week 8	R5 R6		NONE
	Coding	NONE	
	Robotics	Design Thinking process. Follow the instructions. Mimic the operations of a robot.	

	Digital concepts	NONE
Week 9	C1 C6	R1
	Coding	Identify and explain patterns. Identify differences and similarities. Follow an algorithm
	Robotics	Features of robots – What will a class-helper robot look like?
	Digital concepts	NONE
Week 10	C1 (Algorithm Design)	D2 D3
	Coding	Follow instructions to make a card.
	Robotics	NONE
	Digital concepts	DBE workbook 2 p.30 Discussion. Learners discuss healthy screen-time and answer questions wrt computing devices.

Annual Teaching Plan		
GRADE R Term 2		
TERM 2	Practical competencies	Theory competencies
Week 1	C3	R1
	Coding	Interpret and follow instructions on a grid. Groups can use different starting points.
	Robotics	What is a robot? It is built by humans. Discuss Robby the vacuum cleaner robot.
	Digital concepts	NONE
Week 2	C1 (decomposition)	R2
	Coding	The decomposition: to break instructions of crossing the road into small parts. Algorithm: put it in the correct order.
	Robotics	Introduce two types of robots. Discussion and pictures
	Digital concepts	NONE
Week 3	C1 (abstraction)	D2
	Coding	Abstraction: To choose the correct blocks. Decomposition: Building the model
	Robotics	NONE
	Digital concepts	Digital Citizenship – Discuss screentime with regards to a story
Week 4	C2 C3	D3
	Coding	C3 learners follow the given coding solution to find the clothes. C2 Learners create their own solution to find the clothes on the grid.
	Robotics	NONE
	Digital concepts	Computing devices: identify pictures and discuss input, process, output.
Week 5	C2 C6	R1 R2
	Coding	C2: Create coding solution with arrows to find the correct sequence of the pattern (C6). Explain the pattern.
	Robotics	Identify pictures of robots (R2) and why we say they are robots (R1)
	Digital concepts	NONE
Week 6	C1 C3	D2 D3
	Coding	Identify the animal according to the sound. Put animals in order according to story. C3 follow instructions on grid.
	Robotics	NONE
	Digital concepts	D2 - Digital citizenship – screentime. D3 – Computing devices
Week 7	R5 R6	NONE
	Coding	R5 Design thinking process – follow the algorithm to complete the picture. R6 – Mimic the operations of the figure on the grid.
	Robotics	NONE
	Digital concepts	NONE
Week 8	C1 C6	R1 R2
	Coding	Find the correct sequence on the grid to explain the pattern. Match the pictures to shadow pictures.
	Robotics	Why is Robby vacuum cleaner and robot? Types of robots
	Digital concepts	NONE
Week 9	C1 C2 R6	D2 D3
	Coding	C1/C2 Sequence the actions of Sipho
	Robotics	R6 Mimic actions of robot by walking to animal class indicates.

	Digital concepts	D2 ???D3???
Week 10	C2 C3 R6	
	NONE	
	Coding	C2 create simple coding solution; choose something from the grid. C3 Rotate and leave the code for another group to interpret and do
	Robotics	R6 One is the coder and one the robot. Robot must follow the exact instructions
	Digital concepts	NONE

Annual Teaching Plan		
GRADE R Term 3		
TERM 3	Practical competencies	Theory competencies
Week 1	C3 C4 (find mistake)	NONE
	Coding	Follow the arrows (C3) and find the mistake with the coding solution. (C4) Do the same with winter clothes
	Robotics	NONE
	Digital concepts	NONE
Week 2	C2 C3	R1 R2
	Coding	(C3) Follow the code to green car. In pairs create own coding solution (C2)
	Robotics	Revise: What is a robot? Discuss previous examples of types of robots.
	Digital concepts	NONE
Week 3	C1 (decomposition)	D2 D3
	Coding	Visit to dentist – Decompose into different steps, but putting in sequence is more algorithm
	Robotics	NONE
	Digital concepts	Digital citizenship – protect personal information. Safe use of computing devices
Week 4	C1 (abstraction)	R1 R2
	Coding	Butterfly finds home (Algorithm)
	Robotics	R1 What is a robot? R2 Types of robots – discuss the features that makes it perfect for the job it was coded
	Digital concepts	NONE
Week 5	C3 C4 (find & fix)	D7
	Coding	Follow the coding solution to pick up the fruit. Correct find and fix mistakes in the coding solution
	Robotics	NONE
	Digital concepts	Input – put in fruit; Process – blender works; Output – smoothie to enjoy
Week 6	R5 R6	NONE
	Coding	This could be used with C3 (execute a coding solution)
	Robotics	R5 – Build a helper R6 – Follow the instructions to pick up the vegetables
	Digital concepts	NONE
Week 7	C1 C6	D2 D3
	Coding	Sequence the pictures of milking a cow. Create patterns with farm images and learners must explain the patterns.
	Robotics	NONE
	Digital concepts	Why is it important to keep personal information safe. Identify pictures of computing devices.
Week 8	C2 C3 C4	R1 R2
	Coding	Execute the coding solution and then complete it. Identify the mistake in the pattern and fix it.
	Robotics	Different robots have different purposes. Identify the robot pictures
	Digital concepts	NONE
Week 9	C1 C2 C3	D3 D7
	Coding	Learners follow a coding solution to clean the school yard. They can create their own coding solution and avoid the stones.
	Robotics	NONE

	Digital concepts	Discuss where we keep toys, clothes, etc. We store data as well. They draw picture of input, process and output
Week 10	C2 C3 R6	D2 D3
	Coding	It is Heritage Day and learners must collect the traditional food on grid. 1. Follow coding solution 2. Create own coding solution
	Robotics	One learner is coder and one follows the coder's instructions like a robot
	Digital concepts	Discuss screentime and other activities that can be done. Discuss dangers and benefits of computing devices.

Annual Teaching Plan		
GRADE R Term 4		
TERM 4	Practical competencies	Theory competencies
Week 1	C3 C4	D1
	Coding	Bee gets to flower – Follow the coding solution. Debug the coding solution
	Robotics	NONE
	Digital concepts	Technology: Tools and appliances and how it makes our lives easier
Week 2	C1 C2 C3	R4
	Coding	Mother bird hatches 5 hatchlings – Make a nest – discard unwanted items; Create a solution; Interpret and execute the solution
	Robotics	How robots help people
	Digital concepts	NONE
Week 3	C3 C5	D3 D7
	Coding	Lizzie Lizard is hungry – Give her a route to follow. Evaluate to find the shortest route
	Robotics	NONE
	Digital concepts	What is a computational device? What data does it store? What happens when you send an emoji – Input/process/output
Week 4	C1 C6	R1 R2 R4
	Coding	Identify and describe different patterns – identify the sequence
	Robotics	What is a robot / Different types of robots, e.g. assembly line robots / Can robots be harmful
	Digital concepts	NONE
Week 5	D8 D9	D1 D2 D3 D7
	Coding	D8 Follow the key and decode the message; D9 Create own secret message
	Robotics	NONE
	Digital concepts	How tools and appliances help us / Dangers of too much screen time / Discuss computational devices / Make toast to describe input/process/output
Week 6	R5 R6 R7	R1 R2 R4
	Coding	Design thinking process – Get baby owl back in nest / Code the artifact / Follow the instructions like a robot
	Robotics	Compare robots to people/ What makes an assembly line robot, a robot?/ Assembly line robot: positive or negative effect on our lives?
	Digital concepts	NONE
Week 7	C3 C5	D1 D2 D3 D7
	Coding	Leon lost his soccer ball. Teacher provides codes to find it. They compare codes and find the shortest route
	Robotics	NONE

	Digital concepts	Put familiar technology objects on grid – Find computational and non-computational items. Use practical activities to sequence input/process/output
Week 8	C1 C6	R1 R2 R4
	Coding	Sequence the activities. Identify and describe patterns
	Robotics	Identify correct robots for the specific jobs. What affect does it have on the world
	Digital concepts	NONE
Week 9	C1 C2 C3 C4	NONE
	Coding	Select the object that Sipho and his family needs for the beach. Interpret and execute different coding solutions and debug
	Robotics	NONE
	Digital concepts	NONE
Week 10	C2 R7	NONE
	Coding	Clean the school ground. Create a way for you to walk and collect the dirt. Create the route you will follow.
	Robotics	Create a code to operate your park cleaner
	Digital concepts	NONE

CAPS Content Specific Clarification per Grade per Term

		C1	C2	C3	C4	C5	C6	C7	R1	R2	R3	R4	R5	R6	R7	D1	D2	D3	D4	D5	D6	D7	D8	D9
Grade R	Term	1																						
		2																						
		3																						
		4																						
Grade 1	Term	1																						
		2																						
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		4																						
Grade 2	Term	1																						
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		4																						
Grade 3	Term	1																						
		2																						
		3																						
		4																						

Suggested Competencies per Grade per Term, per Week

The competencies were mapped in such a way, that the teacher can be sure she addressed all the competencies and the learners interacted with each competency in isolation and combined.

	GRADE R	GRADE 1	GRADE 2	GRADE 3
TERM 1	Practical competencies & Theory competencies			
Week 1	C3	C3	C3 D1	C3 D1
Week 2	C1 C6 patterns R1	C1 C6 R1	C1 C6 R1	C1 C6 R1
Week 3	C3 D2	C2 C3 R2	C2 C3 R2	C2 C3 R2
Week 4	C1 decomposition D3	C1 decomposition D2	C1 decomposition D2	C1 decomposition D2
Week 5	C1 abstraction R1	C1 abstraction D3	C1 abstraction D3	C1 abstraction D3
Week 6	C6 D2	C2 R1 R2	C1 C2 C3 R1 R2	C1 C2 C3 R1 R2
Week 7	C1 C3 D3	C1 C3 D2 D3	C1 C3 D1 D2 D3	C1 C3 D1 D2 D3
Week 8	R5 R6	R5 R6	R5 R6	R5 R6
Week 9	C1 C6 R1	C1 C6 R1 R2	C1 C6 R1 R2	C1 C6 R1 R2
Week 10	C1 algorithm design D2 D3	C2 D2 D3	C1 C2 C3 D1 D2 D3	C1 C2 C3 D1 D2 D3
TERM 2	Practical competencies & Theory competencies			
Week 1	C3 R1	C3 R1	C2 C3 R6 D1	C2 C3 R6 D1
Week 2	C1 decomposition R2	C1 decomposition R2	C1 C2 C3 R1 R2	C1 C2 C3 R1 R2
Week 3	C1 abstraction D2	C1 abstraction D1	C1 C6 D2	C1 C6 D2
Week 4	C2 C3 D3	C2 C3 D2	C2 C3 D3	C2 C3 D3
Week 5	C2 C6 R1 R2	C2 C6 R1 R2	C1 C2 C3 C6 R1 R2	C1 C2 C3 C6 R1 R2
Week 6	C1 C3 D2 D3	C1 C3 D3	C1 decomposition D1 D2	C1 decomposition D1 D2
Week 7	R5 R6	R5 R6	R5 R6 D1 D2 D3	R5 R6 D1 D2 D3
Week 8	C1 C6 R1 R2	C1 C6 R1 R2	C1 abstraction D1 D2 D3	C1 abstraction D1 D2 D3
Week 9	C1 C2 R6 D2 D3	C1 C2 R6 D1 D2 D3	C1 C2 C3 R1 R2	C1 C2 C3 R1 R2
Week 10	C2 C3 R6	C2 C3 R6 D1 D2 D3	C1 C2 C3 R6	C1 C2 C3 R6
TERM 3	Practical competencies & Theory competencies			
Week 1	C3 C4 find mistake	C3 C4 find & correct	C4 R6 R7 R3 R4	C4 R6 R7 R3 R4
Week 2	C2 C3 R1 R2	C1 C2 C3 R3	C1 C2 C3 D4	C1 C2 C3 D4
Week 3	C1 decomposition D2 D3	C1 C6 C7 R1 R2 R3	C1 C2 C3 C4 D5	C1 C2 C3 C4 D5
Week 4	C1 abstraction R1 R2	C2 C3 C4 D1 D2 D3	C1 C6 C7 D7	C1 C6 C7 D7
Week 5	C3 C4 find&correct D7	D8 C6 D3 D7	C6 C7 D8 D3 D7	C6 C7 D8 D3 D7
Week 6	R5 R6	R5 R6 R7 D4	R5 R6 R7 R1 R2 R3 R4	R5 R6 R7 R1 R2 R3 R4
Week 7	C1 C6 D2 D3	C2 C3 C4 R1 R2 R3	C1 C2 D3 D4 D5	C1 C2 D3 D4 D5
Week 8	C2 C3 C4 R1 R2	C1 C2 C3 D1 D4	C1 C2 C3 C6 C7 D3 D4 D7	C1 C2 C3 C6 C7 D3 D4 D7
Week 9	C1 C2 C3 D3 D7	D8 C6 C7 D1 D2 D3 D4	C1 C2 C3 C4 D1 D2 D3	C1 C2 C3 C4 D1 D2 D3
Week 10	C2 C3 R6 D2 D3	C4 R6 R7	C3, C4 R6 R7 R3 R4	C3, C4 R6 R7 R3 R4
	GRADE R	GRADE 1	GRADE 2	GRADE 3
TERM 4	Practical competencies & Theory competencies			
Week 1	C3 C4 D1	C4 R6 R7 R4	C3 C5 R1 R2 R3	C3 C5 R1 R2 R3
Week 2	C1 C2 C3 R4	C3 C5 R3 R4	C1 C2 C3 C4 R1 R2 R3 R4	C1 C2 C3 C4 R1 R2 R3 R4

Week 3	C3 C5 D3 D7	C2 C3 C4 C5 D4	C6 C7 D9 D6	C6 C7 D9 D6
Week 4	C1 C6 R1 R2 R4	C1 C2 C3 D1 D2 D3 D4	D8 D9 D3 D7	D8 D9 D3 D7
Week 5	D8 D9 D1 D2 D3 D7	D8 D9 D3 D7	C2 C3 C5 D4 D5 D6	C2 C3 C5 D4 D5 D6
Week 6	R5 R6 R7 R1 R2 R4	R5 R6 R7 R1 R2 R3 R4	R5 R6 R7 D1 D3 D4 D5	R5 R6 R7 D1 D3 D4 D5
Week 7	C3 C5 D1 D2 D3 D7	D9 C6 C7 D3 D4 D7	C4 R6 R7 D1 D2	C4 R6 R7 D1 D2
Week 8	C1 C6 R1 R2 R4	C2 C7 D1 D2	C1 C2 C3 C4 C5 R2 R3 R4	C1 C2 C3 C4 C5 R2 R3 R4
Week 9	C1 C2 C3 C4	C1 C2 C3 C5 R1 R2 R3 R4	C3 C4 C5 R6 R7 D5	C3 C4 C5 R6 R7 D5
Week 10	C2 R7	C3 C4 C5 R1 R2 R3 R4	C1 C2 C3 C4 C5 D1 D4 D6	C1 C2 C3 C4 C5 D1 D4 D6