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A NEW ADVENTURE FROM 'ROBOTS FOR STEM'

STEMIE & STEMIA'S FANTASTIC JOURNEY THROUGH SPACE

SELF EVALUATION GRIDS

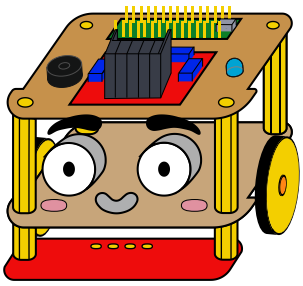
TEACHER'S eBOOK

Co-funded by the Erasmus+ Programme of the European Union

CHALLENGE 1 Learning to drive

I can:	NOT YET	MORE OR LESS	YES, COMPLETELY
Name different measurements			
Program the robot to go straight			
Where can these ideas be applied in real word?			

CHALLENGE 2 Moving backwards

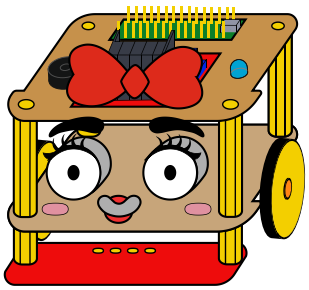


I can:	NOT YET	MORE OR LESS	YES, COMPLETELY
Draw parallel lines			
Program the robot to go backwards			
Where can these ideas be applied in a real word?			

CHALLENGE 3 No time to go slow

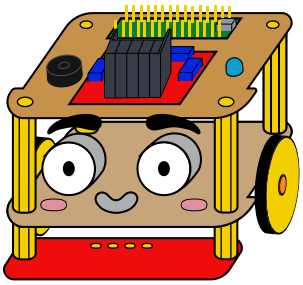
I can:	NOT YET	MORE OR LESS	YES, COMPLETELY
Calculate the speed of the robot			
Program the robot to go forwards and backwards			
Where can these ideas be applied in real word?			

CHALLENGE 4 Moving in orbits



I can:	NOT YET	MORE OR LESS	YES, COMPLETELY
List the planets according to the distance from the Sun			
List the planets according to the size from the Sun			
Program the robot to go in a circle			
Program the robot to go in shape like an athletic track			
Where can these ideas be applied in real word?			

CHALLENGE 5 Making sounds



I can:	NOT YET	MORE OR LESS	YES, COMPLETELY
Name what is needed to make a sound			
Program the robot to play the music			
Gauge the volume			
Where can these ideas be applied in real word?			

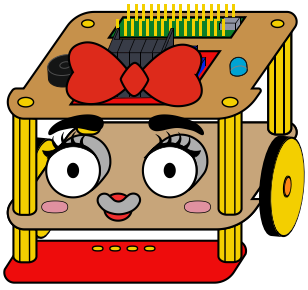
CHALLENGE 6 Flashing lights

I can:	NOT YET	MORE OR LESS	YES, COMPLETELY
Program the robot to turn on the light in every colour of the rainbow			
Where can these ideas be applied in real word?			

CHALLENGE 7 Creating Sequences and Loops

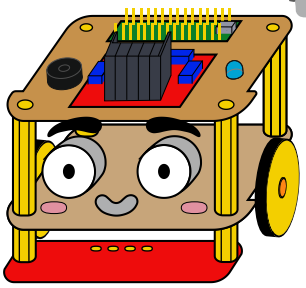
I can:	NOT YET	MORE OR LESS	YES, COMPLETELY
Name the highest mountain on Mars			
Program the robot to go in a square			
Program the robot to go in a rectangle			
Where can these ideas be applied in real word?			

CHALLENGE 8 Organizing thoughts



I can:	NOT YET	MORE OR LESS	YES, COMPLETELY
Program the robot using procedures			
Where can these ideas be applied in real word?			

CHALLENGE 9 Following trajectories



I can:	NOT YET	MORE OR LESS	YES, COMPLETELY
Program the robot follow the line			
Where can these ideas be applied in real word?			

CHALLENGE 10 Avoiding obstacles

I can:	NOT YET	MORE OR LESS	YES, COMPLETELY
Program the robot to detect the object and avoid it turnig to one side			
Program the robot to detect the object and avoid it going around			
Where can these ideas be applied in real word?			