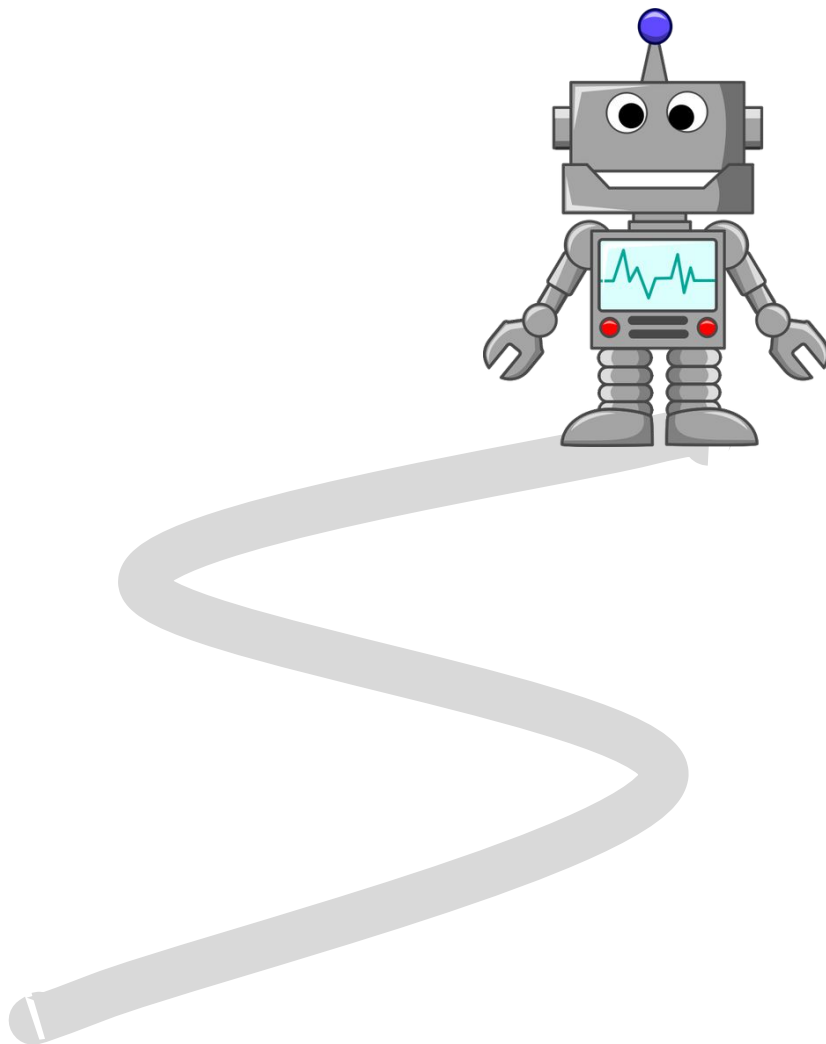


STEM

Engineering

Line following robot



Name:	
Group:	

learnlearn.uk/stemrobotics

LDR

Circuit Diagram

What does the circuit do?

How might this be useful in your project?

How many I/O pins does it use?

Input or Output device?

Advantages

Disadvantages

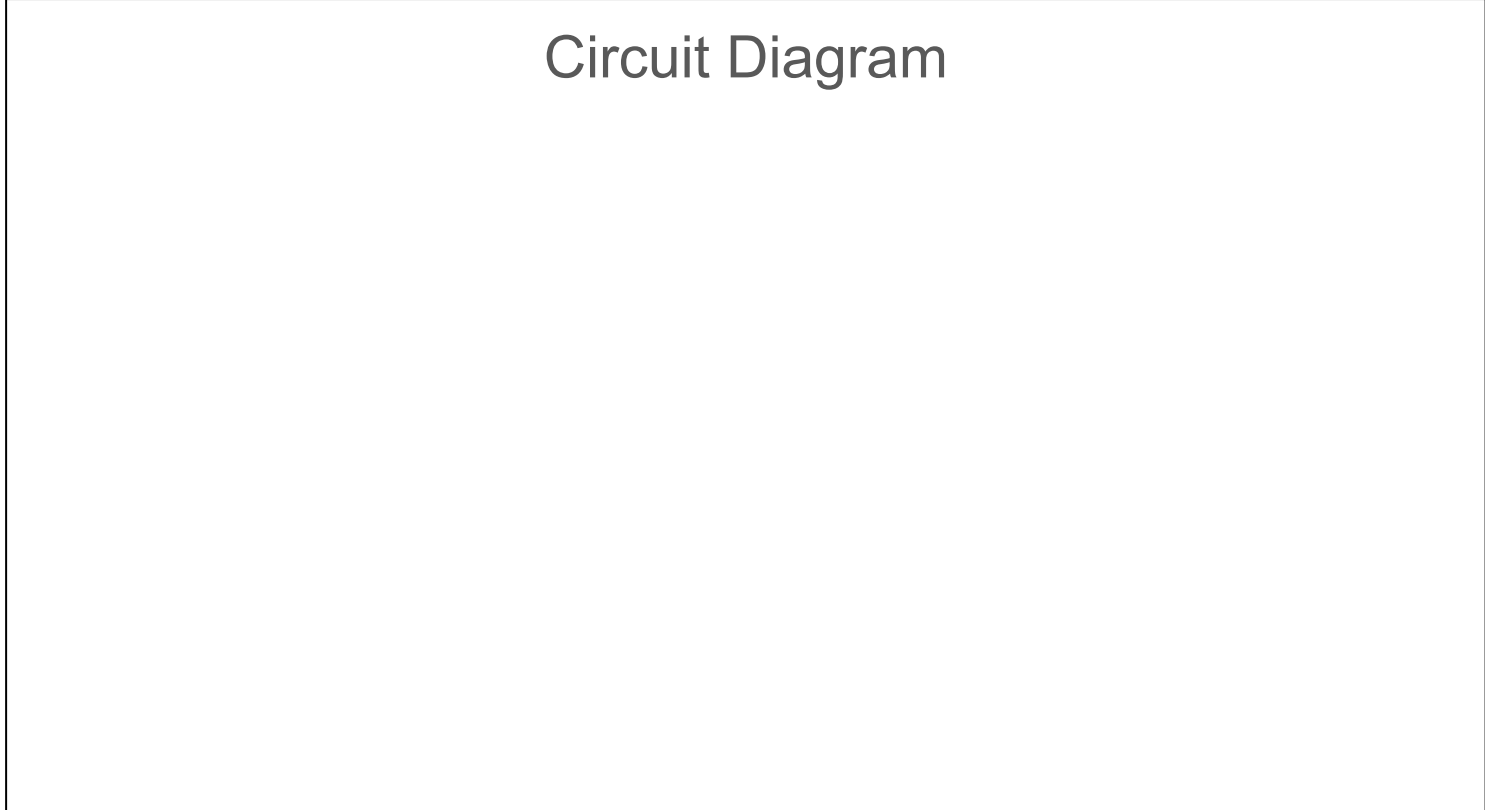
Continuous Servo

Circuit Diagram

What does the circuit do?	
How might this be useful in your project?	
How many I/O pins does it use?	Input or Output device?
Advantages	Disadvantages

Directional Servo

Circuit Diagram



What does the circuit do?	
How might this be useful in your project?	
How many I/O pins does it use?	Input or Output device?
Advantages	Disadvantages

DC Motor

Circuit Diagram

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What does the circuit do?	
How might this be useful in your project?	
How many I/O pins does it use?	Input or Output device?
Advantages	Disadvantages

Stepper Motor

Circuit Diagram

What does the circuit do?	
How might this be useful in your project?	
How many I/O pins does it use?	Input or Output device?
Advantages	Disadvantages

Scratch Simulation

Scratch Code

How does the code work?

How might this be useful in your project?

Robot Design Concept 1

Sketch

How does this design work?	
Input Devices Used	Output Devices Used
Advantages	Disadvantages

Robot Design Concept 2

Sketch

How does this design work?	
Input Devices Used	Output Devices Used
Advantages	Disadvantages

Robot Design Concept 3

Sketch

How does this design work?

Input Devices Used

Output Devices Used

Advantages

Disadvantages

Chosen Design

Circuit Diagram

Why have you chosen this design?

Required component list:

Additional notes (what do you need to research/experiment?)

Project Evaluation

How did your project go? What worked, what needed changing?

What have you learned from this project?

What did you enjoy the most / the least?

What did you find easiest / most difficult?

How has this project changed your thoughts & feelings around STEM robotics?

What would you do differently next time?

How did you find working within a team?