

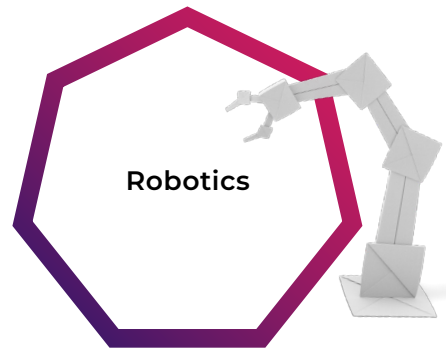
Activity sheet 1

What **complex actions** might an industrial robot carry out?

Why do **speed** and **precision** matter in industry?

What **programming** might a robot require?

How might a robot avoid the need for **human intervention**?



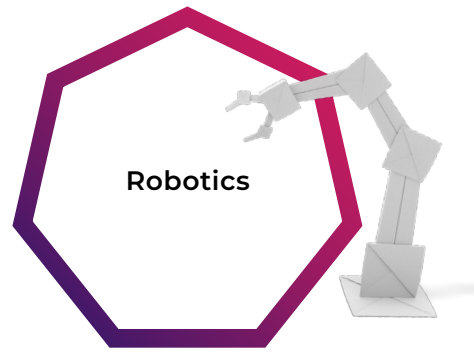
Activity sheet 2

What features allow a robot to **move**?

What features allow a robot to **manipulate** an object?

What features would allow a robot to **process** an object?

What features would provide the robot with **information** about its position, state and environment?



Activity sheet 3

Give examples of how linear and rotational joints might be used in robotics.

Advantages of robotics:

Give some examples of how sensors might be used in robotics.

Limitations of robotics:

List some tools an end effector might use.