

Design a Robot

Humans design robots to do jobs they can't do, or don't want to do. What job would you want your robot to do for you?

What sensors does it need to do that job? Does it need to be able to see? Hear? Taste? Smell? Feel when something is touching it? Feel what it is touching? Describe what it needs:

Actuators: What tools will your robot need to do its job? Hands to pick things up? A camera? A hammer? A drill? A spoon? A comb?

Does your robot need to move around? How would it move? On wheels? On a track? Swim? Fly?

What environment will your robot work in: cold? hot? wet? dusty? What will it need so it can work in those conditions?

How do you communicate with your robot? Can it hear your voice commands? Do you need to press buttons on a remote control? Type directions into a computer?

Draw Your Robot

