



Activity 1: Watch the video and takes notes.

Activity 2: Complete these sentences about you.

I can _____

I can't _____

Activity 3: Answer these questions about you.

1. Can you swim? _____
2. Can you dance? _____
3. Can you speak Italian? _____
4. Can you drive a car? _____
5. Can you play volleyball? _____
6. Can you read in English? _____
7. Can you cook? _____
8. Can you repair things? _____
9. Can you run? _____
10. Can you play the guitar? _____

Activity 4: Read about ASIMO.

Meet ASIMO

(Advanced Step in Innovative MObility)

ASIMO is a humanoid robot, developed by the Honda Motor Co. He is 120 cms tall and he weighs 43 kgs. You can control him with a computer or give him voice instructions. ASIMO is a service robot. He is designed to help people. He can walk and climb stairs, so he can carry food upstairs to a sick person and do other jobs around the home.



Here are ten things ASIMO can do.

- 1 walk forwards and backwards
- 2 bend and straighten his joints
- 3 adjust the size of the steps he takes
- 4 climb up and down stairs
- 5 turn left, right, and around 105 degrees
- 6 raise and lower his arms
- 7 operate light switches
- 8 open and close doors
- 9 carry loads
- 10 push carts



Walking speed: 1.6 km/h
(approx. 1 mph)

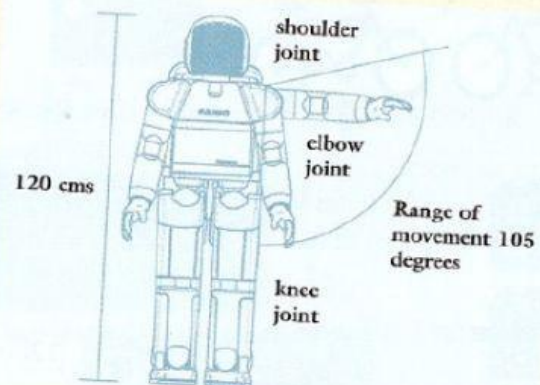
Operating degrees of freedom

Head: 2° of freedom

Arms: $5 \times 2 = 10^\circ$ of freedom

Hands: $1 \times 2 = 2^\circ$ of freedom

Legs: $6 \times 2 = 12^\circ$ of freedom



Activity 5: Answer the questions about ASIMO.

1. What is ASIMO?

2. Which company developed ASIMO?

3. Can ASIMO understand voice instructions?

4. Can ASIMO turn on a light?

5. Can ASIMO take small and large steps?

6. Can ASIMO run?
