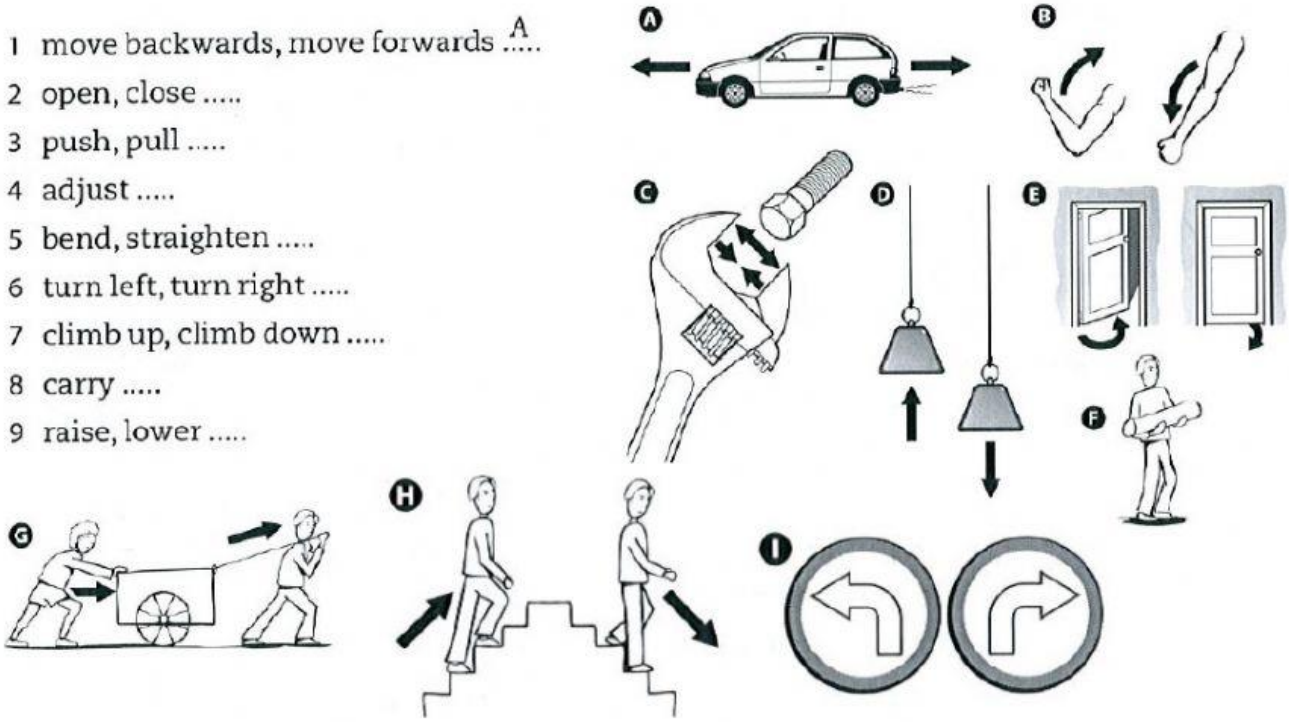
ASSIGNMENT

Lesson 6

Activity 1: Match the pictures with the verbs.

1 move backwards, move forwards ....A....
2 open, close .....
3 push, pull .....
4 adjust .....
5 bend, straighten .....
6 turn left, turn right .....
7 climb up, climb down .....
8 carry .....
9 raise, lower .....



Activity 2: Complete the sentences with the verbs in the box.

	straighten	raise	push	move
climb	carry	turn	bend	adjust

1 Please ....close.... the door and lock it when you go home.
2 A lot of robots can't ..... up or down stairs.
3 Please help me ..... the car into the garage.
4 Please ..... your hand if you want to ask a question.
5 Can it ..... backwards and forwards, or only forwards?
6 The maximum load this robot can ..... is 25 kg.
7 ASIMO can ..... the size of his steps to make them big or small.
8 When you want to lift something heavy, ... your legs.
9 Do I ..... left or right when I come out of the elevator?
10 There are so many bends in this road – we need to ..... it.

LIVEWORKSHEETS

Activity 3: Read about AIBO, the robot dog. Mark the sentences true or false.

AIBO (Artificial Intelligence roBOt) is a robot dog, developed by Sony. He is 27.4 cm long, 26.6 cm high, and weighs 1.5 kilos. You can control him with a computer, a remote control, or with voice instructions. AIBO is not just a toy. Sony developed and tested him as an electronic friend for old people.

Movable parts

- Mouth: 1 degree of freedom
- Head: 3 degrees of freedom
- Legs: 3 degrees of freedom x 4 legs (removable)
- Ears: 1 degree of freedom x 2 ears
- Tail: 2 degrees of freedom
- Total: 20 degrees of freedom

He needs a 9V battery and can operate for approximately 1.5 hours.

Price: approximately $1,300.

Here are some things AIBO can do:

- walk and run backwards and forwards
- stand on his back legs and raise and lower his front legs
- see and remember things
- understand the name you give him
- dance
- understand 75 different voice instructions (*Sit! Come! No!*, etc.)
- take photographs
- make robotic dog sounds
- learn new actions.

1 AIBO is a toy for children. ___false___

2 He can remember his name._____

3 He can bend his legs._____

4 He can stand on his front legs._____

5 He can raise and lower his front legs._____

6 He can turn on a light._____

7 He can speak 75 wrds of English._____

8 He can learn to do new things._____

9 He can move his ears and tail._____

10 He can bend his back._____

Activity 4: Look at ASIMO and complete the sentences with the verb have.

Affirmative	*It has two arms.*
Negative	*I doesn't have one leg.*

1 ASIMO _____ a big head.

2 He _____ wings.

3 He _____ two arms and two hands.

4 ASIMO _____ wheels.

5 It _____ teeth.

6 He _____ a nose.

7 This robot _____ two legs.

8 It _____ a tail.

9 He _____ feet.

10 ASIMO _____ hair.

LIVEWORKSHEETS

Activity 5: Write the names of the parts in these pictures.

a *mouth*

b .....

c .....

d .....

e .....

f .....

g .....

h .....

i .....

j .....

k .....

l .....

jaws
hand
leg
teeth
back
foot
nose
neck
face
arm
head

Activity 6: Complete the sentences with the items in the list.

bottle

car

CD drive

chair

clock

cog

crane

plane

1 It has a neck and a mouth, but it can't drink. *bottle*

2 It has arms, legs, and a back, but it can't move. .....

3 It has two or three hands. It doesn't have a mouth, but it can tell you the time. .....

4 It's round. It has a lot of teeth, but it can't eat. .....

5 It has a nose. It can't smell, but it can fly. .....

6 It has an arm, but it doesn't have a hand. It can lift things. .....

7 It can read and write, but it doesn't have eyes or hands. .....

8 It has a body. It doesn't have arms or legs, but it can carry you somewhere. .....

LIVEWORKSHEETS

Activity 7: Complete the sentences with the words in the box.

LINE TRACKER can follow black lines on white paper.

SPECIFICATIONS

Height	97 mm
Length	157 mm
Width	143 mm
Weight without batteries	250 g
Price	$49.95

wide	high	long	heavy

Line tracker is 97 mm _____.

It is 157 mm _____.

Line tracker is 143 mm _____.

It is 250 g _____ without batteries.

It is $_____.

Activity 8: Write sentences about Hyper Peppy. (See activity 7 as an example)

HYPER PEPPY can change direction when it hears a loud noise or things are in its way.

SPECIFICATIONS

Height	90 mm
Length	115 mm
Width	130 mm
Weight without batteries	160 g
Price	£23.79

Hyper Peppy is _____

_____

_____

_____

_____

LIVEWORKSHEETS