

DT Planning

LI: To design and make a robot using recycling materials.

Discuss pictures of different robots (see the worksheet with real robots).

Look at different parts/features.

Explain that today you will be designing and making a robot out of recycled materials.

Display and discuss images of the robots made out of recycled materials (use the Smart Board version or a worksheet if you can't open the Smart Board version).

Can your child identify some materials that were used to make these robots?

Put a selection of different recycled materials on the floor. Invite your child to identify some objects. Look again at the picture of a recycled robot. Can you choose a replacement for that robot's hand, ears etc... using recycled material from the floor?

Task: Design and make your own robot out of recycled materials.

Encourage your child to choose different recycled objects to make his/her own robot.

Please see the selection of objects you might need to make your robot.

Bottle caps

Old CDs

Spare computer parts

Wires

Tubing

Plastic containers and lids

Corks and rubber stoppers

Broken pencils

Styrofoam packing

Plastic bottles

PVA glue

Glue gun

