

Summary of activities

Activity	Resources
Introduction (similar every night)	Families are invited to write down opinions of examples of activities they do which contribute to harming the environment and contributing to their eco footprint. Red = worst and green = neutral activities, medium being somewhere in the middle.
Ice cube experiment (Fire – session 1)	Using 2D Design card board model houses with an ice cube placed inside, families are to time ice cubes melting when subjected to hair dryer. Families use variety of insulation materials from cotton wool to tin foil.
Hook a fish game (Water – session 1)	Families are invited to use resources to become in turn both the fish and the fisherman. Using different ways to trick the fishermen into catching less fish and the fish into getting caught. The key limitation being the amount of magnets by weight they use. Small, medium and large magnets available.
Hovercraft assembly (Wind – session 2)	YPO – Hover craft kits – at least one per child – make beforehand Stations to be set up with saw, craft knives, mats and safety rulers, glue guns, double sided stick, pillar drill, hand drill, small screw driver set, decoration card, stickers. Families to test them and discuss performance at the end.
Artistic creation (Earth – session 3)	Families to bring rubbish in and they can also use wooden sticks, staple gun, string provided by school to make a work of art expressing group work so far and environmental 'Footprint theme'. Ideas such as a garden gnome could be a common theme or a sweet wrapper tree.

Evening 1 Introduction to ECO Footprints

Families are invited to write down their opinions about their least, medium and worst environmental impacts. Worst impacts are written on red paper feet and most neutral on green paper feet. The 'somewhere in-between' activities are then written on orange paper feet. See 2D Design template file.

Evening 2 Large Footprints are used to stick smaller feet onto in order to determine whole group's eco footprint on both energy use and water consumption.

Evening 3 Certificates are to be awarded for families that have made their footprints smaller.

Summary of resources

Activity	Resources
Introduction (similar every night)	Large paper feet – x1 Yellow, x1 Blue & x1 Brown Small paper feet – x40 Red, x40 orange & x40 Green Pens / pencils to write on paper feet with
Ice cube experiment (Fire)	2D Design card board model houses x4 Stop watches, x1 hair dryer, cotton wool, card, tin foil, thick card, thin card
Hook a fish game (Water)	Rods/wooden dowel, string, plastic wire, rope, plastic cups, coloured matt card, shiny card, reflective card/paper, double sided sticky tape, glue gun, glue, PVA, Pritt stick, variety of magnets – x100 small, x75 large and 50 medium, large container to place fish in and to fish into.
Hovercraft assembly (Wind)	YPO – Hover craft kits – at least one per child – make beforehand Stations to be set up with saw, craft knives, mats and safety rulers, glue guns, double sided stick, pillar drill, hand drill, small screw driver set, decoration card, stickers
Artistic creation (Earth)	Families to bring rubbish in – suggestions include tins cans, sweet wrappers, cereal boxes, Also have handy wooden sticks, staple gun and string.