

INFANT CLASSES – MAGNETISM AND ELECTRICITY

Teacher Guidelines:

- Pp. 96-106

Linkages:

- Materials - Properties and characteristics of materials

Integration:

- Oral Language Development – English and Gaeilge
- History
- SPHE

INFANT CLASSES – MAGNETISM AND ELECTRICITY

Content Objective:

- **USE MAGNETS OF DIFFERENT SHAPES AND SIZES IN PURPOSEFUL PLAY TO EXPLORE THEIR EFFECTS ON DIFFERENT MATERIALS.**

Some suggested activities:

- Distribute a range of magnets and allow children play with them.
- Discuss what the children notice.
- Allow children to predict and test which objects in the classroom are magnetic and non-magnetic.

INFANT CLASSES – MAGNETISM AND ELECTRICITY

Content Objective:

- **INVESTIGATE THE FACT THAT MAGNETS ATTRACT CERTAIN MATERIALS**

design and make a container (incorporating a magnet) that will keep all teacher's paperclips together.

Some suggested activities:

- Predict and then test a range of common items to see if they are magnetic or non-magnetic (paper clips, erasers, pencils, coins, crayons, kitchen foil, rubber bands, bottle tops, corks etc.) How are the items alike/unalike?

Some suggested investigations:

Some suggested designing and making:

- A container for paper clips

INFANT CLASSES – MAGNETISM AND ELECTRICITY

Content Objective:

- **BECOME AWARE OF THE USES OF ELECTRICITY IN SCHOOL AND AT HOME and/or IDENTIFY SOME HOUSEHOLD APPLIANCES THAT USE ELECTRICITY.**

Some suggested activities:

- Identify some household appliances that use electricity.
- Display a range of electrical appliances. Name each, what is it used for, how do we make it work, what does it need to work?
- Name other objects that use electricity. (Batteries/Mains)
- List electrical items found in each room at home that use electricity.
- How can we tell if an item needs electricity to work?
- Sort pictures from catalogues as those which need/ do not need electricity.

INFANT CLASSES – MAGNETISM AND ELECTRICITY

Content Objective:

- **BECOME AWARE OF THE DANGERS OF ELECTRICITY**

Some suggested activities:

- Discuss with children safety concerns in relation to electricity.
- Make posters to illustrate safety issues.
- Watch “Be Safe” video.
- Use pictures of dangerous situations e.g. baby reaching towards plug in socket etc. to illustrate safety points.