**SCIENCE WEEK: SECOND CLASS**

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|  | **Activity** |
| **Monday** | **Science For Fun:** Parents to complete activities with groups in classroomCurriculum Areas:* Energy and Forces: *Magnetism*
* use magnets of different shapes and sizes in purposeful play to explore their effects on different materials
* investigate that magnets attract magnetic materials, such as iron and steel
* investigate that magnets attract certain materials through other materials

Activities: Choose activities as required1. Magnetic fishing game
2. Compare the strength of different sized magnets (see Exemplar 29 Teacher Guidelines, p. 106 and DPSM activity)
* Find out how many paper clips different types of magnets can hold. Record findings and put magnets in order of strength.
* Measure how close a magnet must be before it attracts a paper clip and record findings (see WWW manual)
* Experiment to see if magnets work through other materials (see Earthlink 2, p.41; WWW 2, p.56; Magnetism Card 9)
1. Move a cork with a pin in it up and down a glass without touching it!
2. Move an object (e.g. toy car) through a maze using a magnet
3. Magnetic treasure hunt – What objects did you find using the magnets? What are they made of? What else might be hidden? Why did the magnets not find them?

Resources:1. Magnetic fishing games (paper fish, paper clips, magnet fishing rods, paper clip fishing rods)
2. Magnets, paper clips, record sheet, ruler
3. Glass / plastic cup, pin, magnet
4. Toy car, maze game, magnets
5. Sand trays, magnetic and non-magnetic objects, sorting mats
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| **Tuesday** | **Science Trail:** Classroom, School, YardCurriculum Areas:* Living Things: *Human Life, Plants and Animals*
* use all the senses to become aware of and explore environments
* understand that seasonal changes occur in living things and examine the changes in plant and animal life during the different seasons
* observe, identify and explore a variety of living things in local habitats and environments
* Energy and Forces: *Sound, Forces*
* recognise and identify a variety of sounds in the environment
* explore how objects may be moved by pushing and pulling
* Materials: *Properties and Characteristics of Materials*
* identify and investigate a range of common materials used in the immediate environment
* describe and compare materials, noting the differences in colour, shape and texture
* begin to explore how different materials may be used in the construction of homes suited to their environments
* Environmental awareness and care: *Caring for my locality*
* identify, discuss and appreciate the natural and human features of the local environment
* realise that there is both an individual and a community responsibility for taking care of the environment
* identify, discuss and implement simple strategies for improving and caring for the environment

Activities:Variety of activities set up, instructions followed as per booklet / worksheets |
| **Wednesday** | **Science Art:** Choose one of the following art activities or create art stations. 1. Magnet paint mixing:
* Squeeze paint (2 colours) onto paper plate. Put metal paper clips in paint. Put a magnet behind the paper plate and move the paper clips through the paint using the magnets. Continue until paint is mixed into a design. Stick googly eyes on when dry. Add details, e.g. arms, legs with crayon or pipe cleaners.
1. Make fridge magnets:
* Draw picture onto card and laminate. Stick magnetic strip onto back to create fridge magnet.

Resources: 1. Paper plates, paint, paper clips, magnets, googly eyes, crayons/pipe cleaners
2. Card, colours, laminate sheets, magnetic strip
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| **Thursday** | **Science Demo**Science teacher demonstrating Science Experiments  |
| **Friday** | **Science Exhibition / Senior Assembly:** View and discuss science work completed by other classes.Discussion questions:* What did you do for science week?
* What have we learned during science week?
* What was your favourite activity during science week?

For display:* Children’s artwork
* Science experiments or science work from class
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|  | **Useful websites and online activities: Materials*** Magnets and springs teacher resources: <http://www.bbc.co.uk/schools/scienceclips/teachersresources/ages7_8/tr_magnets_springs_lp.shtml>
* Magnets and Springs game: <http://www.bbc.co.uk/schools/scienceclips/ages/7_8/magnets_springs.shtml>
* Scoilnet Theme Page – activities and teacher resources: <https://www.scoilnet.ie/primary/theme-pages/magnets/>
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