**SCIENCE WEEK: SECOND CLASS**

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|  | **Activity** |
| **Monday** | **Science For Fun:** Parents to complete activities with groups in classroom  Curriculum 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 required   1. 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 |
| **Tuesday** | **Science Trail:** Classroom, School, Yard  Curriculum 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 |
| **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 |
|  | **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/> |