

ELECTRICITY AND MAGNETISM DAY PROGRAM



BENNETT CENTRE GRADE 5 SCIENCE UNIT ELECTRICITY AND MAGNETISM

Please have everyone bring
a second pair of shoes to be
used indoors.

This day program runs from 9:30-2:30 and includes indoor activities only.

Through hands-on practical activities students will learn about electricity by building and testing circuits. They will work with magnets, compasses, D cells, bulbs, electromagnets and wire to help them understand the concepts.

During this program students may

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| | 1. | Experiment with static electricity |
| SLE 1 | 2. | Identify electricity, both natural and produced, in our environment |
| SLE 1 | 3. | Discuss safety precautions when using electricity |
| SLE 4 | 4. | Experiment with closed circuits |
| SLE 2 | 5. | Using a compass, bar magnet, dry cell and wire, discover the relationship between electricity and magnetism |
| SLE 3 | 6. | Build an electromagnet |
| SLE 3 | 7. | Modify the electromagnet to improve it |
| SLE 3 | 8. | Identify and interpret evidence of magnetic fields |
| SLE 5 | 9. | Distinguish between conductors, insulators and resistors |
| SLE 6,7 | 10. | Experiment with resistors in a circuit |
| SLE 10 | 11. | Interpret circuit diagrams |
| SLE 8 | 12. | NEW -electricity used in our homes – kilowatt hours |
| SLE 9 | 13. | NEW -reading a meter and understanding efficiency labels |
| SLE 4 | 14. | OPTIONAL - Play with a closed circuit |

***Please have students bring a pencil and wear a nametag. A few extra parent volunteers would be helpful.**

The Bennett Centre will provide an instructor, materials, and equipment. Students will be provided with a student booklet. Students will work in pairs.

ALLERGY ALERT REMINDER
The Bennett Centre, at all locations, is
fragrance free and peanut free for the safety
and comfort of our visitors and staff.