



Grade Level: Grade 1

Title:

Magnets & We are attracted to God

Denomination: Catholic

Lesson ID: PS-G1-02-CA

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Note: Web sites referenced in this lesson were valid at time of publication.

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PHYSICAL SCIENCE MODULE – GRADE ONE - CATHOLIC
LESSON 2: Magnets and We are attracted to God.

NOTE: TO ADD CHALLENGE TO THIS LESSON ADD THE ** ITEMS TO THE LESSON.

GENERAL CONCEPT: Characteristics of Magnets

SCIENCE LESSON CONCEPT

Magnets can both attract and repel.

GOAL OF SCIENCE LESSON

Student will understand the properties of magnetic force.

OUTCOME EXPECTED

Student can classify objects that are attracted and not attracted to the magnets.

MATERIALS NEEDED

- Magnets of varying sizes and strengths
- Tape

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RELIGION LESSON CONCEPT

We are attracted to God like metal is to a magnet because He is our Creator.

GOAL OF RELIGION LESSON

1. Student will understand that making God-friendly choices draws us closer to God.
2. Student will understand that when we make bad choices, we push ourselves away from God.

OUTCOME EXPECTED

Student will recognize that good choices show our attraction to God.

MATERIALS NEEDED

- Story of the Forgiving Father (Prodigal Son)
- Paper

- Paper clips
- Yarn
- Goggles
- Iron Filings
- Metal spoon
- Compass
- Aluminum plate
- Science Journal Page: MAGNETS
- pencil

SCIENCE METHODOLOGY

- **SET UP** several stations with magnets and objects
- **HAVE** the students take their Science Journal Page and pencils.
- **THE STUDENTS** move from station to station experimenting with the magnets and observe and record their results. (Students could work in groups.)
- **DISCUSS** their findings and make a list of things which are attracted to magnets and which things are not attracted to magnets.

- Paint
- Art materials
- Compass
- A few magnets

RELIGION METHODOLOGY

- **READ** the story of the Forgiving Father (Prodigal Son).
- **ASK:** What is this story about? Record student answers.
- **ASK:** What attracted the Father to the son?
- **ASK:** How are we attracted to God? Just like a compass points NORTH, we are attracted to God.
- **DEMONSTRATE** how the compass points north.
- **PLAY** with the two magnets to see how they attract.

Teacher should use group time to observe the inner workings of the groups and make adjustments in future

- ** **CHANGE** the activity to include several items made up several metals. Have the groups decide why part of the item is attracted and part is not.
- ** **HAVE** the students build a long chain of paper clips. Have them predict how long the chain can get. Have them figure out why it would take so many and not any other.
Change the strength of the magnet and repeat the experiment.
- **POSIT** – Objects can be attracted to magnets. Other objects are not attracted to magnets.

- **SAY:** When we make good choices (when we choose to do the right thing) we are allowing God – our magnet – to pull us toward Him. When we make bad choices (we choose to do the wrong thing) we are pushing away from God.
- ** **ROLE PLAY** some situations where the choice is easy and the choice is more difficult. For example: You are having a birthday party and can ask as many children as you want. Who do you ask? Your Mom tells you that you can only ask 5 people to your party. Who do you ask?
- **POSIT** – We were created to be drawn and attracted to God.

RESOURCES, LINKS AND COMPUTER LESSONS.

Science Links

(Student and Teacher) Cool site for kids to experiment with magnets.

<http://www.kidskonnnect.com/content/view/90/27/>

(Student) Click on magnet and springs.

http://www.bbc.co.uk/schools/revisewise/science/physical/2_act.shtml

(Teacher) <http://www.libraryvideo.com/guides/K7110.pdf>
Teacher Guide on magnets

Religious Links

(Teacher) A series of free coloring pages depicting all the parts of the Our Father.

<http://www.teachustoprayer.com/pages/CP1.asp>

(Teacher) Links to prayers, coloring pages and books about reconciliation.

<http://www.catholicmom.com/reconciliation.htm>

(Teacher) Lesson plan, story and activities for the Prodigal Son story.

<http://www.daniellesplace.com/html/rrsampleprimaryprodigal.html>

KEY WORDS
PHYSICAL SCIENCE – LESSON 2 – GRADE ONE - CA

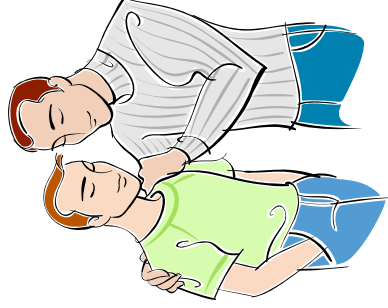
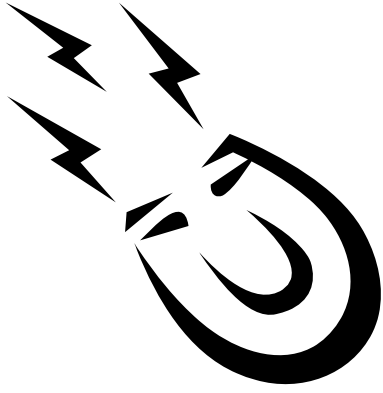


MAGNET
ATTRACT
REPEL
STRENGTH
PULL
PUSH



FATHER
PRODIGAL
CHOICES
FORGIVING
PARABLE

KEY WORDS
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