2ND GRADE SCIENCE

Students should be able to use science and enginee Activities: practices and understand the following content:

Science and Engineering Practices

- Development of habits of mind that are necessal for scienti thinking and that allow students to engage in science in ways sintermine weather maps from one week and discuss the changes to those used by scientists and engineers
- Asking and answering questions about the natural world
- Developing and using models to (1) build understanding of phenomena, processes and relationships, (2) test devices or solutions bake something and discuss the changes in the ingredier or (3) communicate ideas to others
- With teacher guidance, conduct structured investigations to answer some ice cubes and talk about the differences in liquid water scientic questions, test predictions, and develop explanations
- Collecting and analyzing data from investigations to construct explanations and communicate results
- communicating data

Earth Science (Weather)

- Review weather terminology
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 Analyze local weather data to look for daily and seasonal patterns.

 Develop and use models to describe and compare the effects of wind

 Webcon -1.2-at 1 Tf 12.9/ryy 4T or0W- BTf 12.9l.61mt1 /TT3pT17
- Explain why certain safety precautions are needed during severe weather

Physical Science (Solids, Liquids, Magnets)

Demonstrate an understanding of the observable properties of Solids Joannate Magic School Bus Gets Baked in a Cake: A Book and liquids and properties of magnets about Kitchen Chemistry

Demonstrate how solids and liquids can be mixed and also separately, Alath Could Still Be Water

Conduct structured investigations to demonstrate the effects_of Ganeri, Anitarom Caterpillar to Butterlow Living Things Grow)

Investigate the properties of magnets

heating and cooling on solids and liquids

- Compare the effects of magnets on various materials
- Communicate how magnets are used in everyday life

Demonstrate an understanding of the effects of pushes, pulls, and Rosinsky, Natalie M. friction on the motion of objects

Keep track of the daily temperature for a week by using an indoor/ thermometer. Write the temperatures on a calendar.

On a map with weather symbols, identify what each symbol repres

- Watch a program that describes safety precautions during severe weather
- Identify solids and liquids around your home.

put together.

the solid ice.

Use a magnet and check to see what kinds of materials are attrac Using mathematical and computational thinking in collecting and place magnets on a television screen and electronic devices View educational television programs that have information on ani Using technology to collect data and in communication of results There are Web sites that also have quality information on animals other science topics.

> Take a walk in your neighborhood, visit a park, or visit a zoo. Talk the various animals that you see and how they look and what they

Demonstrate an understanding of daily and seasonal weather patterns visit a pet store and talk about what the animals that you see need

Bringing the Rain to Kapiti Plain

- Heiligman, Deborfatrom Caterpillar to Brutter
- Mandel, Muri Simple Weather Experiments With Everyday Materia
- Pfeffer, Wen Errom Tadpole to Frog

Life Science (Animal Characteristics)

- Demonstrate an understanding of how the structures of animals help them survive and grow in their environments
- Classify animals based on their physical characteristics
- Describe the stages of development in selected animals
- Communicate how animals can change their environments