

## SCIENCE 2009-2010

### Course description

Units based on experimental and investigative work focusing on:

- making and recording predictions, observations, measurements and comparisons
- turning ideas and questions into a form that can be investigated/tested
- recognizing, planning and carrying out a fair test
- collecting and interpreting evidence
- suggesting explanations based on scientific knowledge
- using results to draw conclusions

### CONTENT:

- Teeth and Eating.
- Rocks and Soils.
- The Characteristics of Materials.
- Plants.
- Magnets and Springs.
- Light and Shadows. Our Solar System

### OBJECTIVES:

- Students will develop knowledge of personal health and how this relates to diet. They will learn about how teeth are related to diet and the importance of dental care.
- Students will observe and examine rock and soil samples. They will learn how to carry out fair tests to determine the different uses of soils and rocks.
- Students will extend their knowledge of the range of materials we use and of the properties that characterize them. They will learn to recognize what needs to be considered when a material is chosen for a particular use.
- Students will learn about what plants need to grow well and why it is important that they do.
- Students will gain experience of forces and learn that forces have direction.
- Students will learn the relationship between light, an object and the formation of shadows. They will observe the apparent movement of the Sun and the use of solar energy.

### ASSESSMENT:

Trimester Report Cards

Continuous assessment in the classroom during experiments and activities

End of Unit test