

# SCIENCE – INTERMEDIATE

## Intermediate Science

is a selection of episodes intended for Grades 5 and 6 students. One of its shows in “Why?,” which features a witty and funny science expert named Ida who loves to investigate scientific principles and phenomena. The latter series uses trivia, experiments, interesting animation, and graphics to explain the lessons.

## Medium: English or Filipino

### Learning Competency:

#### Activities That Disrupt the Cycle of An Ecosystem

##### WHY?: “SAGIPIN ANG KAGUBATAN”

*This episode explains the importance of the forests and how illegal logging activities affect the environment.*

Nov 1(Tue)	9:20am - 9:40am
Nov 3(Thu)	2:00pm - 2:20pm
Nov 8(Tue)	9:20am - 9:40am
Nov 10(Thu)	2:00pm - 2:20pm

### LEARNING COMPETENCY: Coral Reefs / Activities That Disrupt the Cycle Of An Ecosystem

#### MARINE BIODIVERSITY: THE GOOD IN DIVERSITY

*This episode presents some benefits of marine biodiversity to the community and how some human activities lead to its destruction.*

Nov 1(Tue)	2:00pm - 2:20pm
Nov 3(Thu)	9:20am - 9:40am
Nov 8(Tue)	2:00pm - 2:20pm
Nov 10(Thu)	9:20pm - 9:40pm
Nov 15(Tue)	9:20am - 9:40am
Nov 17(Thu)	2:00pm - 2:20pm

### LEARNING COMPETENCY: Coral Reefs / Conserving Balance of Life

#### WHY?: HOPE FOR THE WATERS

*This episode talks about the factors that contribute to the destruction of coral reefs. It also identifies ways to save these precious reefs.*

Nov 15(Tue)	2:00pm - 2:20pm
Nov 17(Thu)	9:20am - 9:40am
Nov 22(Tue)	9:20am - 9:40am
Nov 24(Thu)	2:00pm - 2:20pm

**Learning Competency: Photosynthesis, Importance of Plants, Classification of Plants KHUB: PLANT KINGDOM**

*This episode focuses on the process of photosynthesis in plants and its importance to humans and animals. It classifies plants into four major groups: flowering, cone-bearing, ferns, and moss.*

Nov 22(Tue)	2:00pm - 2:20pm
Nov 24(Thu)	9:20am - 9:40am
Nov 29(Tue)	9:20am - 9:40am
Dec 1(Thu)	2:00pm - 2:20pm

**Learning Competency: Basics of Ecology**

**MI ISLA VERDE: MARINE BIODIVERSITY**

*The episode illustrates how living things depend on other living things in order to survive and how living things interact with the non-living components of an ecosystem. It also describes distinguishing characteristics of the different groups of organisms.*

Nov 29(Tue)	2:00pm - 2:20pm
Dec 1(Thu)	9:20am - 9:40am
Dec 6(Tue)	9:20am - 9:40am
Dec 8(Thu)	2:00pm - 2:20pm

**LEARNING COMPETENCY: Protective Structures and Plant Adaptation**

**WHY?: BOY CACTUS**

*This episode identifies plant structures and characteristics that protect them. An example is the cactus that develops thorns and poisonous sap or foul-smelling fluid to be its defenses against its enemies.*

Dec 6(Tue)	2:00pm - 2:20pm
Dec 8(Thu)	9:20am - 9:40am
Dec 13(Tue)	9:20am - 9:40am
Dec 15(Thu)	2:00pm - 2:20pm

**Learning Competency: Physical / Chemical Change**

**KHIGH Science: Samalamig**

*This episode helps explain the different phases of matter and how the knowledge of which can be used in our daily lives. It also demonstrates how resources can be used wisely.*

Dec 13(Tue)	2:00pm - 2:20pm
Dec 15(Thu)	9:20am - 9:40am
Dec 20(Tue)	9:20am - 9:40am
Dec 22(Thu)	2:00pm - 2:20pm

**Learning Competency: Energy – Electric Circuit**  
**Science Made Easy: ELECTRIC CIRCUIT**

*This episode discusses the parts of a simple electric circuit and how it works. It also distinguishes conductors from insulators. The episode includes tips in using electricity properly and safely.*

Dec 20(Tue)	2:00pm - 2:20pm
Dec 22(Thu)	9:20am - 9:40am
Jan 3(Tue)	9:20am - 9:40am
Jan 5(Thu)	2:00pm - 2:20pm
Jan 10(Tue)	9:20am - 9:40am
Jan 12(Thu)	2:00pm - 2:20pm

**Learning Competency: Energy – Transformation of Electrical Energy**  
**Sine'skwela 5: ELECTRICAL ENERGY**

*This episode explains the principles of electricity, its sources, how batteries and generators change other forms of energy into electrical energy, and how a circuit works.*

Jan 3(Tue)	2:00pm - 2:20pm
Jan 5(Thu)	9:20am - 9:40am
Jan 10(Tue)	2:00pm - 2:20pm
Jan 12(Thu)	9:20am - 9:40am
Jan 17(Tue)	9:20am - 9:40am
Jan 19(Thu)	2:00pm - 2:20pm

**Learning Competency: Energy – Transformation of Electrical Energy**  
**Sine'skwela 5: ELECTRICITY "SI ELEKTRA AT KALYE KURYENTE"**

*This episode shows how electrical energy can be changed into other forms such as mechanical, elastic and kinetic energies. It shows their practical usefulness such as in the windmill, water wheel and solar heater.*

Jan 17(Tue)	2:00pm - 2:20pm
Jan 19(Thu)	9:20am - 9:40am
Jan 24(Tue)	9:20am - 9:40am
Jan 26(Thu)	2:00pm - 2:20pm
Jan 31(Tue)	9:20am - 9:40am
Feb 2 (Thu)	2:00pm - 2:20pm

**Learning Competency: Forms of Energy And Their Uses**  
**WHY?: BREAKFAST AT BINOY'S**

*This episode explores the different forms of energy and provides examples of each.*

Jan 24(Tue)	2:00pm - 2:20pm
Jan 26(Thu)	9:20am - 9:40am

Jan 31(Tue)	2:00pm - 2:20pm
Feb 2(Thu)	9:20am - 9:40am
Feb 7(Tue)	9:20am - 9:40am
Feb 9(Thu)	2:00pm - 2:20pm

**Learning Competency: Energy Transformation and Its Effect on the Environment Science Made Easy:  
HEAT AND TEMPERATURE**

*This episode talks about heat and temperature. Heat is a form of energy that transfers from one substance to another or from one part of the same substance to another part. This takes place when there is a difference in temperature between the two substances or between the parts of the same substance.*

Feb 7(Tue)	2:00pm - 2:20pm
Feb 9(Thu)	9:20am - 9:40am
Feb 14(Tue)	9:20am - 9:40am
Feb 16(Thu)	2:00pm - 2:20pm

**Learning Competency: Simple Machines  
WHY?: THE WATERBOYS**

*This episode enumerates the different kinds of simple machines and their parts.*

Feb 14(Tue)	2:00pm - 2:20pm
Feb 16(Thu)	9:20am - 9:40am
Feb 21(Tue)	9:20am - 9:40am
Feb 23(Thu)	2:00pm - 2:20pm

**Learning Competency: Conservation Of Energy Science Made Easy:  
ENERGY: FORMS AND TRANSFORMATION**

*This episode talks about the forms of energy and their uses. Energy forms part of everything that we use each day.*

Feb 21(Tue)	2:00pm - 2:20pm
Feb 23(Thu)	9:20am - 9:40am
Feb 28(Tue)	9:20am - 9:40am
Mar 2(Thu)	2:00pm - 2:20pm

**Learning Competency: Earth – Formation of Rocks  
Sine’skwela 5: ROCK FORMATION**

*This episode features the formation of different rocks and how they differ in color, shape, weight and on the kind of minerals they contain. The character in the episode discovers the three types of rocks: sedimentary, igneous and metamorphic.*

Feb 28(Tue)	2:00pm - 2:20pm
Mar 2(Thu)	9:20am - 9:40am
Mar 14(Tue)	9:20am - 9:40am
Mar 16(Thu)	2:00pm - 2:20pm

**Learning Competency: Structure of the Earth Science Made Easy:  
EARTH, THE LIVING PLANET**

*This episode is about the planet earth and what it is made of, its structure and characteristics.*

Mar 14(Tue)	2:00pm - 2:20pm
Mar 16(Thu)	9:20am - 9:40am
Mar 21(Tue)	9:20am - 9:40am
Mar 23(Thu)	2:00pm - 2:20pm

**Learning Competency: Volcano, Precautionary Measures during Volcanic Eruptions  
WHY?: THE AWAKENING**

*This episode talks about precautionary measures one must take before and after a volcanic eruption.*

Mar 21(Tue)	2:00pm - 2:20pm
Mar 23(Thu)	9:20am - 9:40am
Mar 28(Tue)	9:20am - 9:40am
Mar 30(Thu)	2:00pm - 2:20pm
Apr 4(Tue)	9:20am - 9:40am
Apr 6(Thu)	2:00pm - 2:20pm

**Learning Competency: Stars, Galaxies and The Universe Science Made Easy:  
EARTH, MOON, SUN: THE GREAT TRIUMVIRATE**

*This episode talks about the most important star in the sky, the sun and the earth's nearest neighbor, the moon. It also describes the direct and indirect effects of these heavenly bodies on our planet.*

Mar 28(Tue)	2:00pm - 2:20pm
Mar 30(Thu)	9:20am - 9:40am
Apr 4(Tue)	2:00pm - 2:20pm
Apr 6(Thu)	9:20am - 9:40am