

GRADE 7 – SCIENCE

Fundamental concepts in the various sciences are introduced in the assortment of programs for Grade 7 Science. The programs are good resource materials for the study of Science for Grade 7.

Medium: Filipino or English

K-HIGH SCIENCE

Learning Competency: Basic Processes in Science

Science Component: Contributions of Outstanding Filipino Scientists

ROAD TRIP

Some of the outstanding Filipino scientists and their inventions are featured in this episode. The characters in the story have been inspired by these scientists that they worked to be creative and resourceful.

Jun 5 (Mon) 10:40am - 11:00am
 3:20pm - 3:40pm

Jun 12 (Mon) 10:40am - 11:00am
 3:20pm - 3:40pm

K-HUB

Learning Competency: Nature of Biology

NATURE OF BIOLOGY AS A SCIENCE

The episode discusses Biology as the study of life, living organisms, the characteristics of living organisms and non-living things, and their interaction with the environment.

Jun 19 (Mon) 10:40am - 11:00am
 3:20pm - 3:40pm

K-HIGH SCIENCE

Learning Competency: Scientific Method

FISH PORT

Scientific method finds useful application in friendship. K High friends were able to improve their relationship after they applied the “scientific method” in dealing with each other.

Jun 26 (Mon) 10:40am - 11:00am
 3:20pm - 3:40pm

K-HUB

Learning Competency: Nature of Biology

SCIENTIFIC METHOD

The episode teaches experimentation that is used to explore observations and answer questions. Scientists use the scientific method to search for cause-and-effect relationships in nature.

Jul 3 (Mon) 10:40am - 11:00am
3:20pm - 3:40pm

K-HUB

Learning Competency: Nature of Biology

LABORATORY EQUIPMENT / MICROSCOPE

This episode introduces tools or devices which are mostly used in clinical and research laboratories for either performing an experiment or for taking measurements and accumulating data. The microscope is an instrument used to see objects too small for the naked eye.

Jul 10 (Mon) 10:40am - 11:00am
3:20pm - 3:40pm

K-HIGH SCIENCE

Learning Competency: Matter and Its Properties

Science Component: Solid, Liquid and Gas

SAMALAMIG

The episode features the different phases of matter, and the distinct properties of each. Things that are usually seen around were used to illustrate these properties. Also discussed in this episode are some tips on how to use resources wisely.

Jul 17 (Mon) 10:40am - 11:00am

3:20pm - 3:40pm

CONSTEL

Learning Competency: Matter and Its Properties

SOLID, LIQUID AND GAS

After watching the episode, students should be able to differentiate the properties of solids, liquids and gases. They should also be able to describe, and differentiate melting from evaporation.

Jul 24 (Mon) 10:40am - 11:00am

3:20pm- 3:40pm

CONSTEL

Learning Competency: Matter and Its Properties

CHANGES (PHYSICAL AND CHEMICAL CHANGE)

After watching the episode, students are expected to distinguish physical from chemical change, provide examples for each type of change, and be able to explain why such changes are vital to everyday life.

Jul 31 (Mon) 10:40am - 11:00am

3:20pm- 3:40pm

K-HIGH SCIENCE

Learning Competency: Matter and Its Properties

Science Component: Elements and Compounds

TABLET

The episode features different elements and compounds found in homes and how these can be best used.

Aug 7(Mon) 10:40am - 11:00am

3:20pm- 3:40pm

K-HIGH SCIENCE

Learning Competency: Matter and Its Properties

Science Component: Characteristics of Elements (Metals and Non-metals) and the Periodic Table

RECORDER

The characteristics of the different elements are seen in ordinary objects around us. This point out to one thing: science is everywhere. Therefore, it is possible to learn science even outside the classroom and laboratories.

Aug 14(Mon) 10:40am - 11:00am

3:20pm- 3:40pm

Puno ng Buhay 1

Learning Competency: Basics of Ecology

PHILIPPINE FOREST FORMATIONS

The episode explains the Basic Units of Ecology, Components of the Ecosystem including Ecological Communities, Ecological Habitats, and Ecological Niches. It also discusses Philippine Forest Formations.

Aug 21(Mon) 10:40am - 11:00am
 3:20pm- 3:40pm

KHUB

Learning Competency: Basics of Ecology

BRINGING ORDER TO BIODIVERSITY

The episode explains the ways scientists organize and categorize the tremendous diversity of life, and shows the difference among Kingdom Schemes: Domains Bacteria, Achaea and Eukarya.

Aug 28(Mon) 10:40am - 11:00am
 3:20pm- 3:40pm

Sep 4 (Mon) 10:40am - 11:00am
 3:20pm- 3:40pm

MARINE BIODIVERSITY

Learning Competency: Basics of Ecology

MI ISLA VERDE

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 different groups of organisms.

Sep 11 (Mon) 10:40am - 11:00am
 3:20pm- 3:40pm
Sep 18 (Mon) 10:40am - 11:00am
 3:20pm- 3:40pm

K-HUB

Learning Competency: Cell Structure and Function

CELL PARTS AND FUNCTIONS

The episode defines what a “cell” is. A cell is the fundamental unit of life. It is the smallest unit of life that is classified as a living thing, and is often called the building block of life.

Sep 25 (Mon) 10:40am - 11:00am
 3:20pm- 3:40pm
Oct 2 (Mon) 10:40am - 11:00am
 3:20pm- 3:40pm

K-HUB

Learning Competency: Genetics

GREGOR MENDEL AND THE SCIENCE OF GENETICS

This episode focuses on the Science of Genetics, and the roles of chromosomes and genes in hereditary variations. It also explains the chromosomal basis of genetic inheritance and the role of DNA as the blueprint of life.

Oct 9 (Mon)	10:40am - 11:00am 3:20pm- 3:40pm
Oct 16 (Mon)	10:40am - 11:00am 3:20pm- 3:40pm

K-HUB

Learning Competency: Genetics

MENDELIAN AND NON-MENDELIAN INHERITANCE

This episode will cover the Mendelian and Non-Mendelian Traits. It describes how hereditary characteristics are passed from parent organisms to their offspring, and discusses why specific traits do not segregate.

Oct 23 (Mon)	10:40am - 11:00am 3:20pm- 3:40pm
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Oct 30 (Mon) 10:40am - 11:00am
3:20pm- 3:40pm