

# GRADE 5 - SCIENCE

## **SINE'SKWELA 5**

Sine'skwela 5 provides functional understanding of Scientific concepts under the learning competencies for Grade 5.

**Medium: Filipino**

**Learning Competency: Physical & Learning Competency:**

**People –Reproductive System**

### **SEX CELLS: PARTS & FUNCTIONS**

This episode differentiates cells and sex cells and explains why both male and female sex cells are needed for reproduction.

Jun 8 (Thu)	8:20am - 8:40am
	1:00pm - 1:20pm

Jun 15 (Thu)	8:20am - 8:40am
	1:00pm - 1:20pm

**Learning Competency: People – Reproductive System**

### **HUMAN REPRODUCTIVE SYSTEM**

This episode provides an introduction to human pregnancy. It illustrates and defines terms such as “zygote,” “blastocyst,” and “embryo.”

Jun 22 (Thu)      8:20am - 8:40am  
                         1:00pm - 1:20pm

**Learning Competency: People – Reproductive System**

**FERTILIZATION: THE BEGINNING OF LIFE**

This episode describes the three trimesters of human pregnancy and illustrates how the various parts of the infant’s body develop during these periods.

Jun 29 (Thu)      8:20am - 8:40am  
                         1:00pm - 1:20pm

**Learning Competency: People – Reproductive System**

**PUBERTY**

This episode explains that as children reach puberty they may experience a lot of changes in their body, sexuality, emotions, and behavior. It also explains how some of these changes prepare the body for reproduction.

Jul 6 (Thu)        8:20am - 8:40am  
                         1:00pm - 1:20pm

**Learning Competency: People – Respiratory System**

**RESPIRATORY SYSTEM: MECHANISMS OF BREATHING**

This episode describes the respiratory system, how it allows the body to absorb air and how it filters the oxygen that we breathe. It also discusses how we could take care of this vital body system.

Jul 13 (Thu)            8:20am - 8:40am  
                                 1:00pm - 1:20pm

### **Learning Competency: People – Respiratory System**

#### **RESPIRATORY SYSTEM**

This episode explains the parts and functions of the respiratory system. It discusses how the respiratory system helps in providing our body with oxygen, which burns up from the food that we eat. It illustrates how the different body systems work with each other.

Jul 20 (Thu)            8:20am - 8:40am  
                                 1:00pm - 1:20pm

### **Learning Competency: People – Urinary System**

#### **KIDNEY AND URINARY SYSTEM**

This episode explains how waste materials in the blood are filtered and disposed. It identifies the kidney as the filter and urine as the disposed waste material.

Jul 27 (Thu)            8:20am - 8:40am  
                                 1:00pm - 1:20pm

## **Learning Competency: People – Urinary System**

### **KIDNEY & URINARY SYSTEM: URINE**

This episode explains how human body filters and disposes waste materials from the blood.

Aug 3 (Thu)            8:20am - 8:40am  
                                 1:00pm - 1:20pm

### **RECAP 1**

Review of First Grading Period

Aug 10 (Thu)            8:20am - 8:40am  
                                 1:00pm - 1:20pm

### **RECAP 2**

Review of First Grading Period

Aug 17 (Thu)            8:20am - 8:40am  
                                 1:00pm - 1:20pm

## **Learning Competency: Animals – Animals Live in Places Where They Can Find Food**

## **PHILIPPINE EAGLE**

This episode discusses the body parts that birds use to get their food. It investigates how the shape, size, and type of a bird's beak correspond to the kind of food that it eats. This episode also promotes the protection of the Philippine Eagle.

Aug 24 (Thu)      8:20am - 8:40am  
                         1:00pm - 1:20pm

**Learning Competency: Animals – Animal Adaptation**

## **ANIMAL RELATIONSHIPS**

This episode illustrates how animals depend on other organisms to survive. It explains "mutualism," a relationship in which animals benefit from one another.

Aug 31 (Thu)      8:20am - 8:40am  
                         1:00pm - 1:20pm

**Learning Competency: Animals – Animal Adaptation and Classification of Animals**

## **WHAT ARE AVIAN?**

This episode defines "avian" as two-legged vertebrates covered with feathers, and describes their way of life. It explains how feathers, as protective covering, are essential to their survival.

Sep 7 (Thu)            8:20am - 8:40am  
                                 1:00pm - 1:20pm

**Learning Competency: Animals – Animal Adaptation and Caring For Animals**

**BIG FISH, LITTLE FISH**

This episode shows the very delicate life cycle of the “Lapu-Lapu” fish. It explains the importance of taking care of fish, the seas, and the marine food chain.

Sep 14 (Thu)            8:20am - 8:40am  
                                 1:00pm - 1:20pm

**Learning Competency: Animals – Coral Reefs**

**LIFE OF CORALS**

This episode explores the underwater “gardens” that can be found in the narrow and clear parts of the ocean. It explains the relationship that exists between the coral polyps and the small fishes.

Sep 21 (Thu)            8:20am - 8:40am  
                                 1:00pm - 1:20pm

**Learning Competency: Plants – Parts of Plants and Its Uses and Photosynthesis**

**PLANT STRUCTURE AND FUNCTIONS**

This episode describes the plant's different parts and functions. It also gives an overview on how plants manufacture its food.

Sep 28 (Thu)            8:20am - 8:40am  
                                 1:00pm - 1:20pm

### **Learning Competency: Plants – Photosynthesis**

#### **PHOTOSYNTHESIS**

This episode explains photosynthesis and the various processes in which green plants produce their food. It also illustrates how animals and man eventually benefit from photosynthesis.

Oct 5 (Thu)            8:20am - 8:40am  
                                 1:00pm - 1:20pm

### **Learning Competency: Plants – Protective Structures and Plant Adaptation**

#### **PLANT MOVEMENT AS AN ADAPTATION**

This episode explains why plant growth is directed towards the source of sunlight. This is known as phototropism. It also talks about how plants cope without sunlight.

Oct 12 (Thu)            8:20am - 8:40am  
                                 1:00pm - 1:20pm

#### **RECAP 3**

### **Review of Second Grading Period**

Oct 17 (Mon) 2:00pm - 2:20pm

Oct 19 (Wed) 9:20am - 9:40am

Oct 21 (Fri) 7:40am - 8:00am

### **RECAP 4**

### **Review of Second Grading Period**

Oct 24 (Mon) 2:00pm - 2:20pm

Oct 26 (Wed) 9:20am - 9:40am

Oct 28 (Fri) 7:40am - 8:00am