

# The Inside Story

## Cells, Organs, and Systems of the Human Body

### Unit Plan Overview

The Instructional Plan Overview assists teachers in understanding which pieces of the Unit Plan will be used daily. It lists the assessment tools, lesson plans, and Student Web Lessons that the teacher will need for a particular day.

#### **Day 1**

##### **Diagnostic Assessment**

##### **The Inside Story**

This diagnostic assessment and the instructions for administering the assessment are available from the unit plan file.

#### **Day 2**

##### **Lesson Plan**

**Cells – Building Blocks of Life** (SC.F.1.2.4.4.1, SC.F.1.2.4.4.2, LA.A.2.2.1.4.1, LA.A.2.2.5.4.1, LA.B.2.2.1.4.1, LA.C.3.2.2.4.1)

Students are introduced to cells as the basic unit of life. Reading in the content area and study skills are taught and modeled.

#### **Day 3**

##### **Lesson Plan**

**Cells in the Making** (SC.F.1.2.4.4.1, SC.F.1.2.4.4.2, LA.A.2.2.1.4.1, LA.A.2.2.5.4.1, LA.B.2.2.1.4.1, LA.C.3.2.2.4.1)

Just how do cells work in our body? Reading in the content area and study skills are taught and modeled as students learn cell parts and what cells need to carry out life's processes.

## **Day 4**

### **Lesson Plan**

#### **The Making of an Organ** (SC.F.1.2.4.4.1, LA.A.2.2.1.4.1, LA.A.2.2.5.4.1, LA.B.2.2.1.4.1, LA.C.3.2.2.4.1)

Students make a model tongue to show that cells make tissue and tissues make organs. Reading in the content area and study skills are taught and modeled.

## **Day 5**

### **Summative Assessment #1**

#### **I Am Alive**

This assessment and the instructions for administering the assessment are available from the unit plan file.

### **Lesson Plan**

#### **Feed Your Cells** (SC.F.1.2.1.4.1, SC.F.1.2.1.4.2, SC.F.1.2.1.4.3, SC.F.1.2.4.4.2, LA.A.2.2.1.4.1, LA.A.2.2.5.4.1, LA.B.2.2.1.4.1, LA.C.3.2.2.4.1)

Feeding cells is a job of the digestive system. Through readings and activities, students learn about their digestive system and the organs that make up this system. Study skills are emphasized.

## **Day 6**

### **Lesson Plan**

#### **I Need Air** (SC.F.1.2.1.4.1, SC.F.1.2.1.4.2, SC.F.1.2.1.4.3, SC.F.1.2.4.4.2, LA.A.2.2.1.4.1, LA.A.2.2.5.4.1, LA.B.2.2.1.4.1, LA.C.3.2.2.4.1)

Oxygen is a necessity for keeping our cells alive. Through activities and readings, students learn about their respiratory system. Reading in the content area and study skills are taught

## **Day 7**

### **Lesson Plan**

**Moving to the Beat of the Heart** (SC.F.1.2.1.4.1, SC.F.1.2.1.4.2, SC.F.1.2.1.4.3, SC.F.1.2.4.4.2, LA.A.2.2.1.4.1, LA.A.2.2.5.4.1, LA.B.2.2.1.4.1, LA.C.3.2.2.4.1)

The circulatory system is the captain of the vessel we know as the human body. Through study skills, reading in the content area, and activities, students learn about the circulatory system.

## **Day 8**

### **Summative Assessment #2**

#### **Information Manager**

This assessment and the instructions for administering the assessment are available from the unit plan file. Students' writings in their science notebooks are used as the source for this assessment

### **Summative Assessment #5**

#### **Putting it all Together**

Introduce this assessment that will be due at a later date. Instructions and the information package for students and parents are available from the unit plan files.

### **Lesson Plan**

**On the Move** (SC.F.1.2.1.4.1, SC.F.1.2.1.4.2, SC.F.1.2.1.4.3, SC.F.1.2.4.4.2, LA.A.2.2.1.4.1, LA.A.2.2.5.4.1, LA.B.2.2.1.4.1, LA.C.3.2.2.4.1)

Muscles control all movement in the body, whether voluntary or involuntary. Students learn about the muscular system through reading in the content area and various activities. Study skills are stressed.

## Day 9

### Lesson Plan

**Bones and Joints** (SC.F.1.2.1.4.1, SC.F.1.2.1.4.2, SC.F.1.2.1.4.3, SC.F.1.2.4.4.2, LA.A.2.2.1.4.1, LA.A.2.2.5.4.1, LA.B.2.2.1.4.1, LA.C.3.2.2.4.1)

Bones make up the frame of our body, but that is not the only job of the skeletal system. Through reading in the content area, study skills, and activities, students learn about the skeletal system.

## Day 10

### Lesson Plan

**What a Waste!** (SC.F.1.2.1.4.1, SC.F.1.2.1.4.2, SC.F.1.2.1.4.3, SC.F.1.2.4.4.2, LA.A.2.2.1.4.1, LA.A.2.2.5.4.1, LA.B.2.2.1.4.1, LA.C.3.2.2.4.1)

As our bodies use nutrition and oxygen, waste is produced. This waste must be removed from our bodies. Students learn about the excretory (urinary) system as they read articles and are involved in activities. Study skills are stressed.

## Day 11

### Lesson Plan

**You Have Nerve!** (SC.F.1.2.1.4.1, SC.F.1.2.1.4.2, SC.F.1.2.1.4.3, SC.F.1.2.4.4.2, LA.A.2.2.1.4.1, LA.A.2.2.5.4.1, LA.B.2.2.1.4.1, LA.C.3.2.2.4.1)

The human brain and the nerves leading to and from it are explored as students read an article and participate in activities in order to learn about the nervous system. Study skills are stressed.

## **Day 12**

### **Summative Assessment #3**

#### **Information Manager**

This assessment and the instructions for administering the assessment are available from the unit plan file. Students' writings in their science notebooks are used as the source for this assessment.

#### **Lesson Plan**

**Systems Working Together** (SC.F.1.2.1.4.1, SC.F.1.2.1.4.2, SC.F.1.2.1.4.3, SC.F.1.2.4.4.2, LA.A.2.2.1.4.1, LA.A.2.2.5.4.1, LA.B.2.2.1.4.1, LA.C.3.2.2.4.1)

The human body consists of many body systems that work together to keep the body alive and healthy. Through reading in the content area, study skills, and activities, students explore how the systems must interact in order to operate properly.

#### **Student Web Lesson**

##### **Did You Say It or Not?**

Using this Student Web Lesson, students explore explicit and implicit ideas and information from a text while reading about the human body and its systems.

## **Day 13**

#### **Lesson Plan**

**Human Body Quiz** (SC.F.1.2.1.4.1, SC.F.1.2.1.4.2, SC.F.1.2.1.4.3, SC.F.1.2.4.4.1, SC.F.1.2.4.4.2 and LA.A.2.2.1.4.1)

This lesson plan presents a game format for reviewing all the vocabulary taught in this unit as a final review for summative assessments #4 and #5.

#### **Student Web Lesson**

##### **Did You Say It or Not?**

Continued from Day 12

## **Day 14**

### **Summative Assessment #4 Cells, Organs, and Systems**

This assessment and the instructions for administering the assessment are available from the unit plan file.

### **Summative Assessment #5 Putting It All Together**

This project-based assessment was first introduced to students on day 8 of the unit. The due date was determined at that time. The assessment and the instructions for administering the assessment are available from the unit plan file.