

## Lesson Plan Day 2 – Reading Guide

### Overview

Today is dedicated to introducing the students to the chapter. Many of the students have heard the terms DNA and RNA before now, but do not know what they mean. Since there is already an underlying interest in the subject they will not have a guided set of worksheets to take them through the chapter. Today they are going to focus on the first two sections of the chapter. These cover DNA, and DNA replication and Chromosomes.

### Standards Covered

- B.5.1 Describe the relationship between chromosomes and DNA along with their basic structure and function.
- B.5.2 Describe how hereditary information passed from parents to offspring is encoded in the regions of DNA molecules called genes.

### Essential Questions

- What is DNA?
- What shape is DNA?

### Objectives

- By the end of class students will be able to
  - explain the structure of DNA and its importance
  - explain the relationship between DNA and genes

### Procedure

- Students will enter the class and be seated in their assigned seats before the bell rings.
- At the bell teacher will welcome everyone back to the class and explain the reading guide and how they are to be completed. (Encourage the actual reading of the chapter, not just looking for answers)
  - Teacher moves around the room keeping students on track, and answering questions.
  - Will take entire period

## Lesson Plan Day 3-Reading Guide Review 2/11/16

### Overview:

On day 3 of the unit the class will be reviewing the reading guide they have completed the previous day. This review process will be done as a group with each student having the opportunity to write in the correct answers on their own paper with a different color pen. The blanks will be asked to the students and they are expected to respond with the answer written on their white board. If they are unaware of the answer they are to indicate this with a question mark.

### Standards Covered

B.5.1 Describe the relationship between chromosomes and DNA along with their basic structure and function.

### Essential Questions

What is DNA?

What is the genetic material?

### Objectives

Students will be able to determine which material is responsible for passing along genetic information to offspring.

### Procedures

- Students will enter the room and sit in their assigned seats before the bell rings
- At the bell the teacher will hand out the whiteboards and ask students to get papers out
  - Will take 20 minutes.
- After completion of review, students will complete the remainder of the reading guide in preparation for tomorrow's lecture.
  - Will take 10-20 minutes

### Resources/Materials

- Projector for lecture notes and visuals
- Pens for grading papers
- Whiteboards/markers/erasers for student response
- Microphone for hearing challenged student

### Assessment/Evaluation

- Whiteboard responses