Science 8th Grade Online Learning Pearson

*Go to your WMS Folder in the upper left corner of your CB
*Drop down menu to Pearson
*Then go to Pearson Realize

You will be working in Pearson Realize on Topic 4: Genes and Heredity. All activities are online. The same work can be found in the book. Those pages are written in **BLUE** under each assignment for those who have limited internet access. Any work text pages not written in blue are part of the day’s lesson, not an alternative.

**Lesson 1: Patterns of Inheritance**

**Day 1**
Interactivity: Making Copies  
Video: Patterns of Inheritance  
**Work Text pages 172–177**

**Day 2**
Interactivity - Pea Plant Puzzle  
Interactivity - Offspring Season  
**Work Text pages 178–180**  
**Case Study 182–183**

**Lesson 2: Chromosomes and Inheritance**

**Day 3**
Interactivity - Look Inside  
**Work Text pages 185–187**

**Day 4**
Virtual Lab - Who’s offspring is This?  
Video - Chromosomes & Inheritance  
**Work Text pages 188–191**
Day 5-
Interactivity - Colorful Chromosomes
Work text pages 195–198

Lesson 3: Genetic Coding and Protein Synthesis

Day 6-
Interactivity - The Role of DNA
Work Text pages 200–201

Day 7-
Video - Genetic Coding and Protein Synthesis
Work Text page 199

Day 8-
Interactivity - Making Proteins
Watch the video.
https://www.youtube.com/watch?v=gG7uCskUOrA

Lesson 4: Trait Variations

Day 9-
Interactivity - Sex-Linked Traits and Disorders
Work Text pages 204–207, 210–211

Lesson 5: Genetic Technologies

Day 10-
Virtual Lab - DNA Fingerprinting
Watch the video.
https://www.youtube.com/watch?v=7onjVBsQwQ8

Day 11-
Video - Genetic Technologies
Work Text pages 216–221
**Day 12**
Interactivity: Solving Problems with Genetics
*Work Text pages 222-224*

**Day 13**
Watch the following video to review.
https://www.youtube.com/watch?v=CBezq1fUEA

**Day 14**
Watch the following video to review.
https://www.youtube.com/watch?v=NWqgZUnJdAY&t=124s

**Day 15**
On this last day, you will complete a review of the material, and then take an open notes test. The review is on page 225 in the book. The test is found on pages 226-227. Use all the work you have completed to help you answer the questions. We will check the tests upon your return to school.

***Please remember that there is both an online activity AND a work text alternative. Online assignments should be submitted through the Pearson website. Book pages will need to be checked upon return to school.***