

Family Genetics: Codominance Lesson

TIME	TASK	DESCRIPTION	NEEDS
5 min	Intro	• We will review the day and discuss the big idea. Why do we look different than our brothers and sisters.	
10 min	Exploring the problem	Directions: Take a look at the family images. Use the space available to share your thoughts. Why do some families look alike and others look different?	
5 min	Video	Directions: We will watch a short video about co-dominance. After watching the video use the space available to answer the following questions: (a) What is Codominance? (b) What are examples of codominance? (c) How do they show up in humans?	Video link:
10 min	Small Group Share Out	Working in small groups of 3, students will share their answer	• Have an available note taking space in the handout.
15 min	Lab Preparation	Students will use the laboratory preparation materials to prepare for the lab.	have notes ready
30 min	Family DNA Diversity Lab	• We will use the virtual simulator to explore what happens when genes are expressed through a codominance approach.	• Have an available note taking space in the handout.
10 min	Nursery Pictures	Directions: After we all complete the building of our families we will put them together to take pictures of them.	• Have an available note taking space in the handout.
10 min	Practice Explanations	• We will practice our explanations and use words like Meiosis, Geneotype, Half DNA, Full DNA	• Have an available note taking space in the handout.
10 min	Video Explanations	Students will record their video explanations.	