

**Video 5**

***Vaccine Concerns***

**Summary:**

Students will understand the mechanism, efficacy, and safety of the COVID 19 vaccine.

**Target Grades:**

6th – 9th

**TEKS**

* Biology 10 (A) describe the interactions that occur among systems that perform the functions of regulation, nutrient absorption, reproduction, and defense from injury or illness in animals

**Learning Objectives:**

* Explain the technology used in the COVID-19 vaccine.
* Describe common side effects of COVID-19 vaccines and the relationship to immune system function.
* Explain the use of metal in the COVID -19 vaccine and its effect on the body.
* Describe the evidence-based data scientists have collected in determining the efficacy and safety of the COVID-19 vaccine.
* List two reasons experts recommend most people get vaccinated against COVID-19.

**Outline:**

1. Concern #1: They just invented this vaccine.
	1. The science behind the new vaccine has been around for decades.
	2. COVID-19 is new but the technology delivering the vaccines is older and tested.
	3. Billions of COVID-19 vaccine doses have been given, demonstrating they’re safe.
2. Concern #2: What if the shot makes me really sick?
	1. Side effects are almost always mild.
		1. Headache
		2. Tired
		3. Sore arm
	2. Side effects show our immune system is developing antibodies – learning to fight against COVID-19.
3. Concern #3: The vaccine will fill me with metal.
	1. The vaccine will not fill you with metal.
	2. News reports would have been continual if there was any truth in this.
4. Concern #4: What if the scientists are lying?
	1. Evidence has backed up the truth scientists are speaking.
	2. Evidence shows vaccinated people are less likely to get sick from COVID-19.
	3. Evidence shows vaccinated people are less likely to die from COVID-19.
	4. Evidence shows vaccinated people are less likely to spread COVID-19 to others.

**Prior to Viewing the Video**

* Ask a few individuals to share reasons individuals give for not receiving the COVID-19 vaccine.

**After Viewing the Video**

* Allow students to have a mini-debate with one side presenting concerns about the vaccine and the other side countering those concerns with evidence-based arguments from the video.