

Week of: 1/25 – 1/29

Teacher: Stewart

Subject: Biology

Monday	TLW:	Objective: Identify and describe the role of bacteria in maintaining health such as in digestion and in causing diseases such as in Streptococcus infection and diphtheria. TEKS: 4D Compare the structure and function of viruses to cells and describe the role of viruses in causing diseases and conditions such as acquired immune deficiency syndrome, common colds, smallpox, influenza and warts. TEKS: 4C
	Activities:	Students will go around the room to learn more about other students' projects. They will be responsible for answering 5 questions from each project they get information about. (Each student wrote 5 questions that they would like other students' to answer about their project and turned this in for a grade the day they turned in the project.) They will have a total of 6 projects to look at during the class period today. Students will be given a review sheet to begin preparing for a test.
	Materials:	Review sheet #2
	Follow Up/HW:	<i>Test on Bacteria/Viruses January 27th/28th</i>
Tuesday	TLW:	Objective: Identify and describe the role of bacteria in maintaining health such as in digestion and in causing diseases such as in Streptococcus infection and diphtheria. TEKS: 4D Compare the structure and function of viruses to cells and describe the role of viruses in causing diseases and conditions such as acquired immune deficiency syndrome, common colds, smallpox, influenza and warts. TEKS: 4C
	Activities:	Students complete review sheet that was given yesterday. Review sheet will be gone over to make sure everyone has the correct answers for the test. Students turn in Bacteria/Virus Homework Packet for a grade.
	Materials:	Review sheet, Homework
	Follow Up/HW:	<i>Test on Bacteria/Viruses January 27th/28th</i>

Wednesday	TLW:	Objective: Identify and describe the role of bacteria in maintaining health such as in digestion and in causing diseases such as in Streptococcus infection and diphtheria. TEKS: 4D Compare the structure and function of viruses to cells and describe the role of viruses in causing diseases and conditions such as acquired immune deficiency syndrome, common colds, smallpox, influenza and warts. TEKS: 4C
		Activities: Jeopardy Review Bacteria/Virus Test
		Materials: Pencil
		Follow Up/HW:
Thursday	TLW:	Objective: Identify and describe the role of bacteria in maintaining health such as in digestion and in causing diseases such as in Streptococcus infection and diphtheria. TEKS: 4D Compare the structure and function of viruses to cells and describe the role of viruses in causing diseases and conditions such as acquired immune deficiency syndrome, common colds, smallpox, influenza and warts. TEKS: 4C
		Activities: Same as Wednesday
		Materials:
		Follow Up/HW:
Friday	TLW:	Objective: Illustrate the process and results of natural selection and its effect on speciation, diversity, phylogeny, adaptation, behavior and extinction. TEKS 7B
		Activities: Natural Selection 5E
		<p>Engage/Explore - Students view a clip from the video “Evolution: The evolutionary arms race” that illustrates natural selection of bacteria and antibiotic resistance in Russian prisons. After viewing the video students discuss the following questions:</p> <ul style="list-style-type: none"> - Why are the Russian prisons considered “ground zero” in the fight against TB? - What is responsible for the evolution of TB strains that are resistant to multiple drugs? <p>Explain</p> <p>The teacher presents a PowerPoint that focuses on the following main ideas:</p> <ul style="list-style-type: none"> - What is an antibiotic? - Review of Bacteria vs. Viruses - How mutation leads to antibiotic resistance - Antibiotic resistance as related to Natural Selection - Survival of the “Fittest” <p>Students complete Foldable Notes on Natural Selection.</p>
		Materials: Power point notes, Video
		Follow Up/HW: