

Course of Study: Science	Grade Level Range: 6th	Board Approved Curriculum Resource: Mi-STAR
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Time: month, # of hours, and # of weeks	8 Lessons (roughly 21 days)	4 weeks	4 weeks	7 Lessons (roughly 26 school days)	7 Lessons (roughly 23 school days)	8 Lessons (roughly 28 school days)	9 Lessons (roughly 24 school days)
# and Title of Unit	<u>Unit 1: Water Resources (Mi-STAR 6.1)</u>	Mini Unit: Space & the Solar System	Mini Unit: Body Systems & Structures	<u>Unit 2: Investigating & Modeling Body Systems: The RAD Disease (Mi-STAR 6.2)</u>	<u>Unit 3: Population Growth & Ecological Interactions: Failing Fishermen (Mi-STAR 6.6)</u>	<u>Unit 4: Forces & Motion: Protect Your Cell Phone (Mi-STAR 6.4)</u>	<u>Unit 5: You Are What You Eat (6.3)</u>
Goal & Outcomes: <i>In two-four sentences, describe the desired results for students to have by the end of the unit.</i>	Students explore the water cycle and how human activity can alter this cycle but not stop it. Students work to describe why a local community is having flooding problems and evaluate proposed solutions to address this problem.	Students will develop and use a model to describe cyclical patterns of lunar phases, seasons, and eclipses of the sun and moon. Students will develop and use a model to describe the role of gravity in motions within galaxies and the solar system.	Students are able to identify common human structures and their function in a larger system. Students will also be able to identify that the dysfunction of one organ or body system can have a ripple effect on the whole .	Students address the problem of emerging diseases by learning of a fictitious outbreak within their school. As students progress through the unit, they identify the illness, construct explanations about how it affects organ systems and their subsystems, and design an informational campaign to prevent a future outbreak.	Students investigate how ecological interactions can cause populations to increase or decline.	Students apply their learning about forces and motion to design a protective cell phone case that satisfies constraints and scores well on criteria. Students use hands-on experiences and systems modeling to uncover and explain concepts of force and motion, while learning how to conduct scientific investigations.	Students learn that our bodies break down the food we eat to grow and gain energy, and what happens to food as it moves through the digestive system. Use hands-on activities and experiments to generate data to analyze and interpret, use and create models to show the physical and chemical reactions that occur as we eat and digest food.
Priority Standards	MS-ESS2-4	MS-ESS1-1 MS-ESS1-2	MS-LS1-1 MS-LS1-3	MS-LS1-2 MS-LS1-3	MS-LS2-2 MS-LS2-4	MS-ETS1-1 MS-PS2-1	MS-LS1-7
Supporting	MS-PS1-4	MS-ESS1-3	MS-LS1-2	MS-LS1-1	MS-LS2-1	MS-PS2-2	MS-PS1-1

Standards	MS-ETS1-1	MS-PS2-4	MS-LS1-8 MS-LS4-2	MS-ETS1-3	MS-ETS1-2	MS-ETS1-2 MS-ETS1-3	MS-PS1-2
Essential Questions for unit of study	How does human development affect how water moves through our community?	How do the sun, moon, and Earth interact to create the moon phases & eclipses? What determines the movement in our solar system?	How do the subsystems of the human body work to make one body system?	How do germs make us sick? How do we keep sicknesses from spreading?	What is the most likely cause of the sportfish decline in the Illinois River?	How can we design a case that protects a cell phone from being damaged in a collision?	What happens to the food we eat?
Key Resources <i>List 2-3 authentic and relevant resources that students and teachers will use</i>	6.1 Unit Overview 6.1_UnitCharacteristics	Space Mini Unit	Human Body Systems Flip Book Chicken Wing Anatomy Lab Skeletal Structures Quick Check	Mi-STAR Unit 6.2	Mi-STAR Unit 6.6 Lesson 5 Share Analysis Questions	Mi-STAR Unit 6.4	Mi-STAR Unit 6.3 Unit Overview
Authentic Assessment - overview stage 2 of each unit	Copy of 6.1...	Pre/Post Test Moon Phase Modeling Flip Book Assessment	HBS Pre/Post ...	Pre/Post Test 6.2 (Student Version)	Pre/Post Test Unit 6.6 (Student Version)	Pre/Post Test Unit 6.4 (Student Version)	Pre/Post Test Unit 6.3 (Student Version)