

Science and Social Studies Curriculum Map

Objective: TSW pass the HiSET Science and Social Studies test:

<p>HiSET Content Categories Science:</p> <ul style="list-style-type: none"> • Life Science (49%) • Physical Science (28%) • Earth Science (23%) <p>HiSET Depth of Knowledge (DOK) Levels on Hiset Science Test:</p> <ul style="list-style-type: none"> • Level 1- Recall (6%) Test takers recall a term, property or fact. • Level 2- Skill Concept (65%) Test takers process/interpret data. • Level 3- Strategic Thinking (29%) Test takers make inferences/conclusions from experimental data. • Level 4-Extended Thinking (<1%) Test takers synthesize information and reveal higher-order thinking through complex reasoning. 	<p>HiSET Content Categories Social Studies:</p> <ul style="list-style-type: none"> • History (35%) • Civics/Government (35%) • Economics (20%) • Geography (10%) <p>HiSET Depth of Knowledge (DOK) Levels on HiSET Social Studies Test:</p> <ul style="list-style-type: none"> • Level 1 (36%) Test takers recall a term, concept or fact or identify specific information contained in a stimulus. • Level 2 (57%) Test takers process or interpret information about people, places events or concepts. • Level 3 (7%) Test takers make inferences or draw conclusions about events or issues.
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<p>HiSET Testing Standards Science</p> <p><u>Life Science:</u></p> <ul style="list-style-type: none"> • TSW understand organisms, their environments, and their life cycle. • TSW understand the interdependence of organisms (e.g. interpret interactions among organisms, such as predation, mutualism, and competition). • TSW recognize the relationships between structure and function in living systems. • TSW understand the human body system including the role of DNA, chromosomes, and specialized cells (e.g. compare the structures of different types of biomolecules, such as carbohydrates, lipids, and proteins). <p><u>Physical Science:</u></p> <ul style="list-style-type: none"> • TSW recognize physical properties such as volume, mass, color, and temperature. • TSW recognize concepts relating to the position and motion of objects (e.g. investigate how an object’s motion changes when a net force is applied). 	<p>HiSET Testing Standards Social Studies</p> <p><u>History:</u></p> <ul style="list-style-type: none"> • TSW analyze historical sources and recognize perspectives (e.g. political cartoons, letters, documents). • TSW identify interconnections among the past, present, and future. • TSW understand specific eras in the U.S. and world history, including the people who have shaped them and the political, economic, and cultural characteristics of those eras(e.g. River Valley Civilizations, Classical Civilizations, Age of Exploration, American Revolution, Early National Era, Civil War and Reconstruction, Gilded Age, World War I, Great Depression and New Deal, World War II, Cold War) <p><u>Civics/Government:</u></p> <ul style="list-style-type: none"> • TSW understand the roles of the citizen in a demographic society, including rights and responsibilities, and informed participation (e.g. voters, officeholders, political party members, public meetings, petitions). • TSW recognize the structure and functions of different levels of government in the United States, including concepts of power and
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<ul style="list-style-type: none"> • TSW understand principles of light, heat, electricity, and magnetism (e.g. demonstrate that moving electric charges produce magnetic forces). • TSW understand the principles of matter and atomic structure (e.g. understand that the properties of elements are based on the patterns of electrons in the outermost energy level of atoms). • TSW understand the principles of chemical reactions. 	<p>authority (e.g. powers reserved to the states, constitutional principles, implied powers).</p> <ul style="list-style-type: none"> • TSW understand the purposes and characteristics of various governance systems, with particular emphasis on the U.S. government (e.g. republic, democracy, parliamentary, monarchy, communism, founding documents).
<p><u>Earth Science:</u></p> <ul style="list-style-type: none"> • TSW recognize the properties of earth materials and the usefulness of some earth materials to humans. • TSW understand Earth's systems, processes, geologic structures, and time (e.g. analyze the effects on areas impacted by natural events, such as tectonic movement or flooding). • TSW understand Earth's movements and position in the solar system. • TSW understand the sun, other stars, and the solar system (e.g. interpret data to identify the stages in the life cycle of a star). 	<p><u>Economics:</u></p> <ul style="list-style-type: none"> • TSW recognize fundamental economic concepts, including principles of supply and demand (e.g. scarcity, needs and wants, competition). • TSW understand government involvement in the economy, including comparative economic systems and globalization (e.g. fiscal and monetary policy, trade barriers, labor markets). • TSW understand consumer economics (e.g. savings, interest rates, credit, advertising choice).
<p><u>Scientific Method:</u></p> <ul style="list-style-type: none"> • TSW will understand the steps in a scientific method. • TSW will understand the following terms: research question, procedure, hypotheses, data, and conclusion. 	<p><u>Geography:</u></p> <ul style="list-style-type: none"> • TSW understand concepts and know terminology of physical and human geography. • TSW use geographic concepts to analyze spatial phenomena and discuss economic, political, and social factors (e.g. regions, borders, migration, standard of living, cultural diffusion). • TSW interpret maps and other visual and technological tools, and analyze case studies (e.g. contour maps, population pyramids, climographs).