

History of Vaccines Standards Correlation

The following standards apply to History of Vaccines learning resources.

Learning Resources	Correlating Standards
How Vaccines Work Activity	<p>National Science Education Standards Unifying Concepts and Processes: Evidence, models, and explanation; Form and function; Science as Inquiry: Understanding of scientific concepts; Life Science: The cell, Behavior of organisms; Science in Personal and Social Perspectives: Personal and community health National Health Education Standards Standard 1: Students will comprehend concepts related to health promotion and disease prevention. ISTE National Education Technology Standards 1. Creativity and Innovation Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. Students: c. use models and simulations to explore complex systems and issues.</p>
Timelines	<p>National Science Education Standards Unifying Concepts and Processes: Evidence, models, and explanation; Change, constancy and measurement; Evolution and equilibrium; Form and function; Science and Technology: Understanding about science and technology ; Science in Personal and Social Perspectives: Science and technology in local, national, and global challenges; History and Nature of Science: Science as a human endeavor, Nature of scientific knowledge, Historical perspectives National Health Education Standards Health Education Standard 1: Students will comprehend concepts related to health promotion and disease prevention. ISTE National Education Technology Standards 1. Creativity and Innovation Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. Students: c. use models and simulations to explore complex systems and issues.</p>
The Scientific Method Activity	<p>National Science Education Standards Science as Inquiry: Abilities necessary to do scientific inquiry, Understandings about scientific inquiry; Life Science: The cell, Biological evolution, Behavior of organisms; Science in Personal and Social Perspectives: Personal and community health, Science and technology in local, national, and global challenges; History and Nature of Science: Science as a human endeavor, Nature of scientific knowledge National Health Education Standards Health Education Standard 5: Students will demonstrate the ability to use decision-making skills to enhance health. ISTE National Education Technology Standards 1. Creativity and Innovation Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. Students: c. use models and simulations to explore complex systems and issues.</p>
Fight the Disease (to come)	<p>National Science Education Standards Unifying Concepts and Processes: Form and function; Science as Inquiry: Abilities necessary to do scientific inquiry, Understandings about scientific inquiry; Life Science: The cell, Interdependence of organisms, Behavior of organisms; Science in Personal and Social Perspectives: Personal and community health, Science and technology in local, national, and global challenges; History and Nature of Science: Science as a human endeavor, Nature of scientific knowledge, Historical perspectives National Health Education Standards Health Education Standard 5: Students will demonstrate the ability to use decision-making skills to enhance health. Health Education Standard 7: Students will demonstrate the ability to practice health-enhancing behaviors and avoid or reduce health risks. ISTE National Education Technology Standards 1. Creativity and Innovation Students demonstrate creative thinking, construct knowledge, and</p>

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	develop innovative products and processes using technology. Students: a. apply existing knowledge to generate new ideas, products, or processes. b. create original works as a means of personal or group expression. c. use models and simulations to explore complex systems and issues. d. identify trends and forecast possibilities.
Lesson Plan: Using the History of Vaccines in the Classroom	<p>National Science Education Standards Unifying Concepts and Processes: Systems, order, and organization; Evidence, models, and explanation; Form and function; Science as Inquiry: Understandings about scientific inquiry; Life Science: The cell, Biological evolution, Behavior of organisms; Science and Technology: Understanding about science and technology; Science in Personal and Social Perspectives: Personal and community health, Science and technology in local, national, and global challenges; History and Nature of Science: Science as a human endeavor, Nature of scientific knowledge, Historical perspectives National Health Education Standards Health Education Standard 1: Students will comprehend concepts related to health promotion and disease prevention. Health Education Standard 3: Students will demonstrate the ability to access valid information, products, and services to enhance health. ISTE National Education Technology Standards 1. Creativity and Innovation Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. Students: a. apply existing knowledge to generate new ideas, products, or processes. b. create original works as a means of personal or group expression. c. use models and simulations to explore complex systems and issues. d. identify trends and forecast possibilities. 3. Research and Information Fluency Students apply digital tools to gather, evaluate, and use information. Students: a. plan strategies to guide inquiry. b. locate, organize, analyze, evaluate, synthesize, and ethically use information from a variety of sources and media. c. evaluate and select information sources and digital tools based on the appropriateness to specific tasks. d. process data and report results. 4. Critical Thinking, Problem Solving, and Decision Making Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. Students: a. identify and define authentic problems and significant questions for investigation. b. plan and manage activities to develop a solution or complete a project. c. collect and analyze data to identify solutions and/or make informed decisions. d. use multiple processes and diverse perspectives to explore alternative solutions.</p>
Lesson Plan: Viruses and Evolution	<p>National Science Education Standards Unifying Concepts and Processes: Systems, order, and organization; Evidence, models, and explanation; Evolution and Equilibrium; Form and function Science as Inquiry: Abilities necessary to do scientific inquiry; Understandings about scientific inquiry Life Science: The cell, The molecular basis of heredity, Biological evolution, Behavior of organisms Science and Technology: Understanding about science and technology Science in Personal and Social Perspectives: Personal and community health, Science and technology in local, national, and global challenges History and Nature of Science: Science as a human endeavor, Nature of scientific knowledge, Historical perspectives National Health Education Standards Health Education Standard 1: Students will comprehend concepts related to health promotion and disease prevention. Health Education Standard 3: Students will demonstrate the ability to access valid information, products, and services to enhance health. ISTE National Education Technology Standards 1. Creativity and Innovation Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. Students: a. apply existing knowledge to generate new ideas, products, or processes. b. create original works as a means of personal or group expression. c.</p>

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Lesson Plan: The Scientific Method in the History of Vaccines	<p>National Science Education Standards Unifying Concepts and Processes: Systems, order, and organization; Evidence, models, and explanation; Evolution and equilibrium Science as Inquiry: Abilities necessary to do scientific inquiry; Understandings about scientific inquiry Science and Technology: Understanding about science and technology Science in Personal and Social Perspectives: Personal and community health, Science and technology in local, national, and global challenges History and Nature of Science: Science as a human endeavor, Nature of scientific knowledge, Historical perspectives National Health Education Standards Health Education Standard 1: Students will comprehend concepts related to health promotion and disease prevention. Health Education Standard 2: Students will demonstrate the ability to access valid information, products, and services to enhance health. Health Education Standard 4: Students will analyze the influence of culture, media, technology, and other factors on health. ISTE National Education Technology Standards 1. Creativity and Innovation Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. Students: a. apply existing knowledge to generate new ideas, products, or processes. b. create original works as a means of personal or group expression. c. use models and simulations to explore complex systems and issues. d. identify trends and forecast possibilities. 3. Research and Information Fluency Students apply digital tools to gather, evaluate, and use information. Students: a. plan strategies to guide inquiry. b. locate, organize, analyze, evaluate, synthesize, and ethically use information from a variety of sources and media. c. evaluate and select information sources and digital tools based on the appropriateness to specific tasks. d. process data and report results. 4. Critical Thinking, Problem Solving, and Decision Making Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. Students: a. identify and define authentic problems and significant questions for investigation. b. plan and manage activities to develop a solution or complete a project. c. collect and analyze data to identify solutions and/or make informed decisions. d. use multiple processes and diverse perspectives to explore alternative solutions.</p>
Lesson Plan: How Vaccines Work	<p>National Science Education Standards Unifying Concepts and Processes: Systems, order, and organization; Evidence, models, and explanation; Form and function Science as Inquiry: Abilities necessary to do scientific inquiry; Understanding of scientific concepts Life Science: The cell Science and Technology: Understandings about science and technology Science in Personal and Social Perspectives: Personal</p>

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	<p>and community health; Science and technology in local, national, and global challenges</p> <p>National Health Education Standards</p> <p>Health Education Standard 1: Students will comprehend concepts related to health promotion and disease prevention.</p> <p>Health Education Standard 2: Students will demonstrate the ability to access valid information, products, and services to enhance health.</p> <p>Health Education Standard 3: Students will demonstrate the ability to access valid information, products, and services to enhance health.</p> <p>Health Education Standard 4: Students will analyze the influence of culture, media, technology, and other factors on health.</p> <p>Health Education Standard 6: Students will demonstrate the ability to use goal-setting and decision-making skills to enhance health.</p> <p>ISTE National Education Technology Standards 1. Creativity and Innovation Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. Students: c. use models and simulations to explore complex systems and issues.</p>