

Interdisciplinary - Subject Group Overview

Year	Subjects	Unit Name	Key Concept	Related Concepts	Global Context	Statement of Inquiry	Content	MYP Objectives	Approaches to Learning
1	Mathematics/ Individuals & Societies	Mapping Skills	Time, Place and Space	Math: Models Ind. & Societies: Significance	Globalization and Sustainability	Time, place and space uses models to show the significance of having directional capability outside of the community.	<p>Use appropriate geographic tools and terms to identify and describe significant places and regions in American History</p> <p>Use geographic tools and terms to analyze the effects throughout American history of migration to and within the United States, both on the place of origin and destination.</p> <p>Interpret databases, case studies, and maps to describe the role that regions play in influencing trade, migration patterns, and cultural/political interaction in the United States throughout time.</p> <p>Understands how to use maps and other geographic representations, tools, and technology to report information.</p> <p>Actively participate in effortful learning both individually and collectively.</p> <p>Complete tasks with mathematical fluency</p> <p>Use patterns and structure to help understand and connect mathematical concepts.</p> <p>Apply previous understanding of the coordinate plane to solve problems</p> <p>Find distances between ordered pairs, limited to the same x-coordinate or the same y-coordinate, represented on the coordinate plane.</p> <p>Solve mathematical and real-world problems by plotting points on a coordinate plane, including finding the perimeter or area of a rectangle</p>	<p>Objective A: Evaluating</p> <p>i. analyse disciplinary knowledge</p> <p>ii. evaluate interdisciplinary perspectives.</p> <p>•</p> <p>Objective B: Synthesizing</p> <p>i. create a product that communicates a purposeful interdisciplinary understanding</p> <p>ii. justify how their product communicates interdisciplinary understanding.</p> <p>•</p> <p>Objective C: Reflecting</p> <p>i. discuss the development of their own interdisciplinary learning</p> <p>ii. discuss how new interdisciplinary understanding enables action.</p>	<p>Information literacy skills</p> <ul style="list-style-type: none"> Collect, record and verify data <p>Collaboration skills</p> <ul style="list-style-type: none"> Encourage others to contribute <p>Communication skills</p> <ul style="list-style-type: none"> Write for different purposes
2	Mathematics/ Sciences	Data Analysis	Connections	Math: Representation Science: Patterns	Scientific and Technical Innovation	Making connections, analyzing patterns and findings within data can be represented with models.	<p>Define a problem from the seventh grade curriculum, use appropriate reference materials to support scientific understanding, plan and carry out scientific investigation of various types, such as systematic observations or experiments, identify variables, collect and organize data, interpret data in charts, tables, and graphics, analyze information, make predictions, and defend conclusions.</p> <p>Describe methods used in pursuit of scientific explanation as seen in different fields of science such as biology, geology, & physics.</p>	<p>Objective A: Evaluating</p> <p>i. analyse disciplinary knowledge</p> <p>ii. evaluate interdisciplinary perspectives.</p> <p>•</p> <p>Objective B: Synthesizing</p> <p>i. create a product that communicates a purposeful interdisciplinary understanding</p> <p>ii. justify how their product communicates interdisciplinary understanding.</p> <p>•</p> <p>Objective C: Reflecting</p> <p>i. discuss the development of their own interdisciplinary learning</p> <p>ii. discuss how new interdisciplinary understanding enables action.</p>	<p>Information literacy skills</p> <ul style="list-style-type: none"> Collect, record and verify data <p>Communication skills</p> <ul style="list-style-type: none"> Make inferences and draw conclusions
3	Mathematics/ Sciences	Scientific Notation	Logic	Math: Equivalence Science: Function	Orientation in Space and Time	Using logic helps to understand the scale of equivalence and function within real world applications.	<p>Recognize that there are enormous distances between objects in space and apply our knowledge of light and space travel to understand this distance.</p> <p>Students can use scientific notation to represent large and small quantities.</p> <p>Students can compare quantities that are written in scientific notation.</p> <p>Students can convert from scientific notation to standard form, vice versa.</p>	<p>Objective A: Evaluating</p> <p>i. analyse disciplinary knowledge</p> <p>ii. evaluate interdisciplinary perspectives.</p> <p>•</p> <p>Objective B: Synthesizing</p> <p>i. create a product that communicates a purposeful interdisciplinary understanding</p> <p>ii. justify how their product communicates interdisciplinary understanding.</p> <p>•</p> <p>Objective C: Reflecting</p> <p>i. discuss the development of their own interdisciplinary learning</p> <p>ii. discuss how new interdisciplinary understanding enables action.</p>	<p>Organization skills</p> <ul style="list-style-type: none"> Bring necessary equipment and supplies to class <p>•</p> <p>Use appropriate strategies for organizing complex information</p>