

Explorers and Explorations

MS-5220

Common Core Standards

Reading Informational Text (RI)

These standards align with analyzing primary/secondary sources, scientific texts, and historical documents.

CCSS.ELA-LITERACY.RI.7.1 / RI.8.1 / RI.9-10.1

Cite textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.

Students will analyze texts related to exploration, geography, and environmental impact, making evidence-based claims.

CCSS.ELA-LITERACY.RI.7.2 / RI.8.2 / RI.9-10.2

Determine central ideas and analyze their development over the course of a text.

Students will summarize key themes related to exploration, human impact, and scientific discovery.

CCSS.ELA-LITERACY.RI.7.3 / RI.8.3 / RI.9-10.3

Analyze interactions between individuals, events, and ideas in a text.

Students will explore the historical context of expeditions, scientific discoveries, and global interactions.

CCSS.ELA-LITERACY.RI.7.4 / RI.8.4 / RI.9-10.4

Determine the meaning of words and phrases as they are used in a text, including domain-specific vocabulary.

Students will engage with scientific and historical terms related to exploration.

CCSS.ELA-LITERACY.RI.7.7 / RI.8.7 / RI.9-10.7

Compare and contrast a text to multimedia sources on the same topic.

Students analyze maps, scientific reports, and historical records.

Writing (W)

These standards are met through research projects, scientific reports, and argumentative writing.

CCSS.ELA-LITERACY.W.7.1 / W.8.1 / W.9-10.1

Write arguments to support claims with clear reasoning and evidence.

Students construct arguments on environmental impact, historical discoveries, and ethical dilemmas in exploration.

CCSS.ELA-LITERACY.W.7.2 / W.8.2 / W.9-10.2

Write informative/explanatory texts to examine and convey complex ideas.

Students will explain historical events, scientific discoveries, and socio-environmental changes.

CCSS.ELA-LITERACY.W.7.7 / W.8.7 / W.9-10.7

Conduct short and sustained research projects.

Research-based projects on geography, biodiversity, or indigenous perspectives.

CCSS.ELA-LITERACY.W.7.8 / W.8.8 / W.9-10.8

Gather relevant information from multiple print and digital sources, assess credibility, and integrate information properly.

Critical research skills are developed through primary and secondary sources.

Speaking and Listening (SL)

These standards align with discussions, presentations, and collaborative work.

CCSS.ELA-LITERACY.SL.7.1 / SL.8.1 / SL.9-10.1

Engage in collaborative discussions, building on ideas and expressing their own clearly.

Students debate and discuss historical narratives, scientific theories, and ethical considerations.

CCSS.ELA-LITERACY.SL.7.4 / SL.8.4 / SL.9-10.4

Present claims and findings with appropriate evidence and clear reasoning.

Formal presentations on exploration topics, environmental concerns, and discoveries.

Language (L)

CCSS.ELA-LITERACY.L.7.6 / L.8.6 / L.9-10.6

Acquire and use academic and domain-specific vocabulary.

Students learn exploration-related terms in history, geography, and science.

Common Core State Standards (CCSS) – Mathematics

Mathematical reasoning is applied to geographic mapping, data analysis, and scientific calculations.

CCSS.MATH.CONTENT.7.RP.A.2 / 8.F.B.4 / HSF.IF.C.7

Analyze proportional relationships and use them to solve real-world problems.

Students calculate distances, scaling on maps, and resource consumption rates.

CCSS.MATH.CONTENT.7.SP.A.1 / 8.SP.A.1 / HSS.ID.A.1

Use data to analyze patterns and make predictions.

Students interpret climate change data, historical migration trends, and scientific experiments.

CCSS.MATH.CONTENT.7.G.A.1 / HSG.MG.A.1

Solve problems involving scale drawings and geometric measurement.

Map projections, cartography, and landform modeling.

Next Generation Science Standards (NGSS)

Science integration aligns with geography, environmental studies, and sustainability.

Earth and Space Science (ESS)

MS-ESS3-1 / HS-ESS3-1

Construct a scientific explanation based on evidence for how human activities impact Earth's systems.

Students analyze exploration's effect on ecosystems, climate, and biodiversity.

MS-ESS2-2 / HS-ESS2-2

Analyze geoscience data to claim how Earth processes affect human activity.

Case studies on volcanic activity, glaciation, and ocean currents.

Engineering, Technology, and Applications of Science

MS-ETS1-1 / HS-ETS1-1

Define and solve problems by applying scientific principles.
Innovations in exploration technology and survival strategies.

C3 Social Studies Framework

Historical, geographic, and economic connections are integrated into this project.

D2.His.3.6-8 / D2.His.3.9-12

Analyze multiple factors that influenced the perspectives of people during historical events.

Exploration's impact on indigenous cultures, trade, and global interactions.

D2.Geo.2.6-8 / D2.Geo.2.9-12

Use geographic tools to analyze relationships between people, places, and environments.

Map interpretation, climate analysis, and land use planning.

D2.Eco.1.6-8 / D2.Eco.1.9-12

Analyze the role of scarcity and economic decision-making in historical and contemporary contexts.

Exploration-driven trade routes, resource distribution, and global markets.

Interdisciplinary Standards

Environmental Studies & Ethics

Sustainability and conservation topics relate to global studies and ethics.

Art & Design

Students can create cartography-based visualizations, expedition journals, or historical recreations.

Technology & Computer Science

Geographic Information Systems (GIS), data analysis, and coding simulations of exploration patterns.