

Unit 05: Hidden Forces

Content Area:

Course(s):

Time Period: **Year**

Length: **180**

Status: **Published**

Unit 5

Unit Title:	Hidden Forces
Suggested Duration:	4 weeks

Interdisciplinary Connections

Interdisciplinary Connections
<p>Reading and Writing Companion Standards for History, Social Studies, Science and Technical Subjects https://www.nj.gov/education/standards/ela/Docs/2016NJSLs-ELA_Companion6-8.pdf</p>
<p>Math Practices: https://www.nj.gov/education/standards/math/Docs/2016NJSLs-M_K-12.pdf</p>
<p>Science Practices: https://www.nj.gov/education/standards/science/Docs/NJSLs-Science_6-8.pdf</p>
<p>Find and paste appropriate <u>Companion Standards</u> or <u>Practices</u> here.</p>

Technology Integration

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<p>Northern supports the integration of the SAMR Model: a framework which extends learning through the use of technology. The installation of interactive boards, the purchase of softwares and subscriptions, and the investment in 1:1 laptops and various other instructional technologies are examples of Northern's commitment to enhancing students' learning and preparing the 21st century learner for college and careers.</p>

Standard(s) Addressed

WIDA ELD STANDARD 1 Social and Instructional Language

ELD-SI 4-12 Narrate ● Share ideas about one's own and others' lived experiences and previous learning ● Connect stories with images and representations to add meaning ● Identify and raise questions about what might be unexplained, missing, or left unsaid ● Recount and restate ideas to sustain and move dialogue

forward ● Create closure, recap, and offer next steps

ELD-SI 4-12 Inform ● Define and classify facts and interpretations; determine what is known vs. unknown ● Report on explicit and inferred characteristics, patterns, or behavior ● Describe the parts and wholes of a system ● Sort, clarify, and summarize relationships ● Summarize most important aspects of information

ELD-SI 4-12 Explain ● Generate and convey initial thinking ● Follow and describe cycles and sequences of steps or procedures and their causes and effects ● Compare changing variables, factors, and circumstances ● Offer alternatives to extend or deepen awareness of factors that contribute to particular outcomes ● Act on feedback to revise understandings of how or why something is or works in particular ways

ELD-SI 4-12 Argue ● Generate questions about different perspectives ● Support or challenge an opinion, premise, or interpretation ● Clarify and elaborate ideas based on feedback ● Evaluate changes in thinking, identifying trade-offs ● Refine claims and reasoning based on new information or evidence

WIDA ELD STANDARD 2 Language for Language Arts

ELD-LA 6-8 Narrate Interpretive Interpret language arts narratives by ● Identifying a theme or central idea that develops over the course of a text ● Analyzing how character attributes and actions develop in relation to events or dialogue ● Evaluating impact of specific word choices about meaning and tone

ELD-LA 6-8 Inform Interpretive Interpret informational texts in language arts by ● Identifying and/or summarizing main ideas and their relationship to supporting ideas ● Analyzing observations and descriptions in textual evidence for key attributes, qualities, characteristics, activities, and behaviors ● Evaluating the impact of author's key word choices over the course of a text

ELD-LA 6-8 Inform Expressive Construct informational texts in language arts that ● Introduce and define topic and/or entity for audience ● Establish objective or neutral stance ● Add precision, details, and clarity about relevant attributes, qualities, characteristics, activities, and behaviors ● Develop coherence and cohesion throughout text

ELD-LA 6-8 Argue Interpretive Interpret language arts arguments by ● Identifying and summarizing central idea distinct from prior knowledge or opinions ● Analyzing how an author acknowledges and responds to conflicting evidence or viewpoints ● Evaluating relevance, sufficiency of evidence, and validity of reasoning that support claim(s)

ELD-LA 6-8 Argue Expressive Construct language arts arguments that ● Introduce and develop claim(s) and acknowledge counterclaim(s) ● Support claims with reasons and evidence that are clear, relevant, and credible

- Establish and maintain formal style
- Logically organize claim(s) with clear reasons and relevant evidence; offer a conclusion

ELD-LA 6-8 Narrate Expressive Construct language arts narratives that

- Orient audience to context and point of view
- Develop and describe characters and their relationships
- Develop story, including themes with complication and resolution, time, and event sequences
- Engage and adjust for audience

WIDA ELD STANDARD 3 Language for Mathematics

ELD-MA 6-8 Argue Interpretive Interpret mathematics arguments by

- Comparing conjectures with previously established results
- Distinguishing commonalities among strategies used
- Evaluating relationships between evidence and mathematical facts to create generalizations

WIDA ELD STANDARD 4 Language for Science

ELD-SC 6-8 Explain Interpretive Interpret scientific explanations by

- Defining investigable questions or design problems based on observations, information, and/or data about a phenomenon
- Determining central ideas in complex evidence and information to help explain how or why a phenomenon occurs
- Evaluating scientific reasoning that shows why data or evidence adequately supports conclusions

WIDA ELD STANDARD 5 Language for Social Studies

ELD-SS 6-8 Explain Interpretive Interpret social studies explanations by

- Determining multiple points of view in sources for answering compelling and supporting questions about phenomena or events
- Analyzing sources for logical relationships among contributing factors or causes
- Evaluating experts' points of agreement, along with strengths and weakness of explanations

ELD-SS 6-8 Explain Expressive Construct social studies explanations that

- Introduce and contextualize phenomena or events
- Establish perspective for communicating outcomes, consequences, or documentation
- Develop reasoning, sequences with linear and nonlinear relationships, evidence, and details, acknowledging strengths and weaknesses
- Generalize multiple causes and effects of developments or events

ELD-SS 6-8 Argue Interpretive Interpret social studies arguments by

- Identifying topic and purpose (argue in favor or against a position, present a balanced interpretation, challenge perspective)
- Analyzing relevant information from multiple sources to support claims
- Evaluating point of view and credibility of source based on relevance and intended use

ELD-SS 6-8 Argue Expressive Construct social studies arguments that

- Introduce and contextualize topic
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Select relevant information to support claims with evidence gathered from multiple sources • Establish perspective • Show relationships between claims and counterclaims, differences in perspectives, and evidence and reasoning

STAGE I Desired Results

STAGE I Desired Results	
Objective (Transfer)	
<i>Students will be able to independently use their learning to... See and understand different hidden forces at play in the world we live in.</i>	
Mastery	
<p><u>Enduring Understanding</u></p> <p><i>Students will understand that...</i></p> <ul style="list-style-type: none"> • the definition of "force." • learn that there are surprises hidden inside things. There are forces hidden inside the earth. A force is a kind of power. • examples of force in our body. 	<p><u>Essential Questions</u></p> <ul style="list-style-type: none"> • What surprises can be found hidden inside things? • How do we learn about forces we can't see? • How do we know that forces may exist? • What kinds of forces may affect you? • What are some examples of force in our human body?
Acquisition	
<p><i>Students will know . . .</i></p> <p>Word Study: consonants c and g, spelling short i, o, u,</p> <p>Reading Strategy: Look for problems and solutions, look for causes and effects.</p> <p>Grammar: Simple past tense, regular and irregular verbs, adjectives</p> <p>Writing Elements: Writing a personal narrative.</p> <p>Vocabulary: Preview, review, and define</p>	<p><i>Students will be skilled at . . .</i></p> <p>The students will practice reading and comprehension skills, predict and use visuals, study words, apply strategies to learn new vocabulary, use writing and grammar skills to expand their knowledge of hidden forces</p>

highlighted words.

Key Words: attack, enemies, palace, prisoner, soldiers, strong, crust, dangerous, destroy, directions, plates, powerful

Vocabulary Mini Lessons: compound words, phrasal verbs

STAGE II Assessment Evidence

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Practice	Assessments
<ul style="list-style-type: none">• Checking for Understanding• Interpretive readings• Listening Activities• Listening and Speaking: Retell, reader's theater, personal narrative• Students' conversations / Communicative Activities	<ul style="list-style-type: none">• Writing (Narrative): Write about an unusual experience.• Research a natural disaster and make a presentation and present to the class.• Grammar quiz
Modifications	
<p>How are the evaluations/assessments modified/accelerated? (i.e.: alternate assessment)</p> <p>Integrated accommodations and modifications for special education students, English language learners, students at risk of school failure, gifted and talented students, and students with 504 plans.</p> <p>Instructions and performance expectations (rubric) are differentiated base on student's language proficiency levels, align with the "can do" charts, and use their ACCESS testing results as references.</p>	

STAGE III Learning Plan

STAGE III Learning Plan
<p>Organize plan by weeks</p> <p>Week 1:</p> <ul style="list-style-type: none">• Introducing the unit of hidden forces.

- Discussion: What is a “force”?
- Discuss common problems in the world today.
- Writing: (descriptive) Write an essay entitled, “My Favorite Place” to describe a place that is special to you.
- Grammar practice: compound nouns.

Week 2: Natural Disasters

- Discuss natural disasters. Share what common natural disasters occur in your home country vs here in New Jersey. Let students share their experiences of natural disasters.
- Introduce related vocabulary. Use quizlet.com and other worksheets to get familiar with new vocabulary.
- Daily grammar practice: compound nouns.

Week 3: Reading - Fleeing Katrina

- National Geographic Learning Edge 2014 B: Reading. “Fleeing Katrina”
- Interact with texts: Make predictions in the reading.
- Identify the author’s “Views vs Facts” in the reading.
- Daily grammar practice - Prepositions of Time
- Daily grammar practice - Prepositions of Place

Week 4: Reading - Earthquake and Volcano

- National Geographic Learning Edge 2014 B: Reading. (Earthquake/ Volcano)
- Students will create a project on a chosen natural disaster. Do research. And present their projects.
- Daily grammar practice - Prepositions of Time
- Daily grammar practice - Prepositions of Place

Modifications

How are the activities modified/differentiated? (i.e.: abridged text)

Integrated accommodations and modifications for special education students, English language learners, students at risk of school failure, gifted and talented students, and students with 504 plans

Specific Resources for Unit

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- National Geographic Learning Edge 2014 B: Student Edition.
- Teacher created worksheets and information.
- Educational digital sites

<https://quizlet.com>

<https://edpuzzle.com>

<https://l-www.voki.com/>

<https://es.islcollective.com/>

www.njtesol-njbe.org

<https://www.esl-lab.com/>

Diversity, Equity, & Inclusion

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Provide a brief description of how this unit addresses DE&I.

Student's performance expectations will be based on their individual abilities (so the expectations can look different for each student). The lessons will also be differentiated.

The classroom is a welcoming and inclusive environment for all students regardless of race or ethnicity, sexual and gender identities, mental and physical abilities and religious beliefs.

In the ESL classroom, student diversity is always emphasized and integrated into the lessons by implement culture into discussion activities.

Career Readiness (9.2), Life Literacies and Key Skills (9.4) Standards

WRK.K-12.P.1	Act as a responsible and contributing community members and employee.
WRK.K-12.P.2	Attend to financial well-being.
WRK.K-12.P.3	Consider the environmental, social and economic impacts of decisions.
WRK.K-12.P.4	Demonstrate creativity and innovation.
WRK.K-12.P.5	Utilize critical thinking to make sense of problems and persevere in solving them.
WRK.K-12.P.6	Model integrity, ethical leadership and effective management.
WRK.K-12.P.7	Plan education and career paths aligned to personal goals.
WRK.K-12.P.8	Use technology to enhance productivity increase collaboration and communicate effectively.
WRK.K-12.P.9	Work productively in teams while using cultural/global competence.

Climate Change Education

<u>ClimateChange Education</u>	
Enduring Understandings/Core Ideas	Performance Expectations
<ul style="list-style-type: none"> • Learning a language involves interpreting meaning from listening, viewing, and reading culturally authentic materials in the target language. • Interpersonal communication between and among people is the exchange of information and the negotiation of meaning. • Presentational communication involves presenting information, concepts, and ideas to an audience of listeners or readers on a variety of topics. 	<ul style="list-style-type: none"> • 7.1.NM.IPRET.5: Demonstrate comprehension of brief oral and written messages found in short culturally authentic materials on global issues, including climate change. • 7.1.NM.PRSNT.6: Name and label tangible cultural products associated with climate change in the target language regions of the world. • 7.1.NM.PRSNT.6: Name and label tangible cultural products associated with climate change in the target language regions of the world.
<p>Math and ELA- Provide a brief description of a lesson or activity that relates to Climate Change. All other Content Team copy and paste the <u>Core Idea and Performance Expectation</u> from NJDOE link above.</p>	