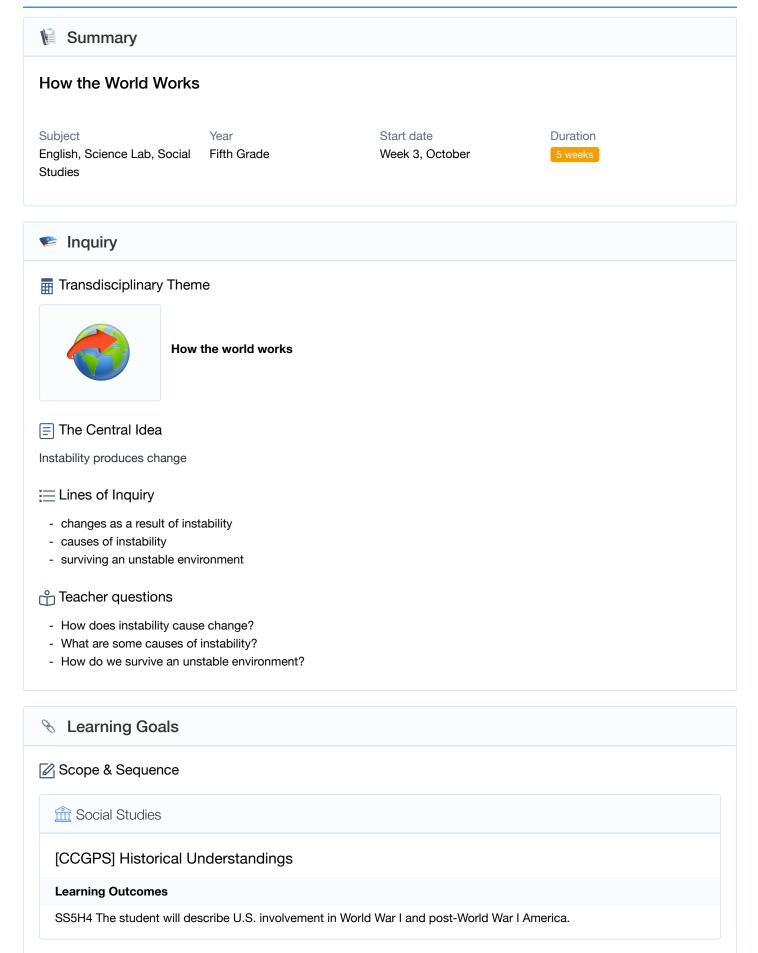
How the World Works

IB PYP Homeroom (Fifth Grade)

Nicole Cheroff, Lisa Alexander, Katy Lucas, Wendy Sanders, Dale Ioannides, Kaytee Roberts, Kelley Jordan-Monne, Stephanie Berry, Whitney Niles, Courtney Benner, Paul Hulsing, Julie Chartier, Jessica





Nicole Cheroff, Lisa Alexander, Katy Lucas, Wendy Sanders, Dale Ioannides, Kaytee Roberts, Kelley Jordan-Monne, Stephanie Berry, Whitney Niles, Courtney Benner, Paul Hulsing, Julie Chartier, Jessica

How the World Works

IB PYP Homeroom (Fifth Grade)

b. Describe the cultural developments and individual contributions in the 1920s of the Jazz Age (Louis Armstrong), the Harlem Renaissance (Langston Hughes), baseball (Babe Ruth), the automobile (Henry Ford), and the airplane (Charles Lindbergh).

a. Explain how German attacks on U.S. shipping during the war in Europe (1914-1917) ultimately led the U.S. to join the fight against Germany; include the sinking of the Lusitania and concerns over safety of U.S. ships, U.S. contributions to the war, and the impact of the Treaty of Versailles in 1919.

SS5H3 The student will describe how life changed in America at the turn of the century.

d. Describe the reasons people emigrated to the United States, from where they emigrated, and where they settled.

[CCGPS] Economic Understandings

Learning Outcomes

SS5E1 The student will use the basic economic concepts of trade, opportunity cost, specialization, voluntary exchange, productivity, and price incentives to illustrate historical events.

c. Describe how specialization improves standards of living, (such as how specific economies in the north and south developed at the beginning of the 20th century).

d. Explain how voluntary exchange helps both buyers and sellers (such as how specialization leads to the need to exchange to get wants and needs).

[IB] Human systems and economic activities

Overall Expectations

will extend their understanding of how and why groups are organized within communities, and how participation within groups involves both rights and responsibilities. They will understand the interdependency of systems and their function within local and national communities.

will gain an appreciation of how cultural groups may vary in their customs and practices but reflect similar purposes. They will deepen their awareness of how people influence, and are influenced by, places in the environment.

Conceptual Understandings

Formulate and ask questions about the past, the future, places and society

Identify roles, rights and responsibilities in society

Orientate in relation to place and time

English

[CCGPS] Reading Literary

Learning Outcomes

Key Ideas and Details

ELACC5RL3. Compare and contrast two or more characters, settings, or events in a story or drama, drawing on specific details in the text (e.g., how characters Interact).

IB PYP Homeroom (Fifth Grade)

Nicole Cheroff, Lisa Alexander, Katy Lucas, Wendy Sanders, Dale Ioannides, Kaytee Roberts, Kelley Jordan-Monne, Stephanie Berry, Whitney Niles, Courtney Benner, Paul Hulsing, Julie Chartier, Jessica

Integration of Knowledge and Ideas

ELACC5RL7. Analyze how visual and multimedia elements contribute to the meaning, tone, or beauty of a text (e.g., graphic novel, multimedia presentation of fiction, folktale, myth, poem).

ELACC5RL9. Compare and contrast stories in the same genre (e.g., mysteries and adventure stories) on their approaches to similar themes and topics.

[CCGPS] Writing

Learning Outcomes

Text Types and Purposes

ELACC5W2.c. Link ideas within and across categories of information using words, phrases, and clauses (e.g., in contrast, especially).

ELACC5W3. Write narratives to develop real or imagined experiences or events using effective technique, descriptive details, and clear event sequences.

ELACC5W3.b. Use narrative techniques, such as dialogue, description, and pacing, to develop experiences and events or show the responses of characters to situations.

Standards and benchmarks

Georgia State Standards GSE: Science (2016)

Earth and Space Science Grade 5

S5E1. Obtain, evaluate, and communicate information to identify surface features on the Earth caused by constructive and/or destructive processes.

a. Construct an argument supported by scientific evidence to identify surface features

b. Develop simple interactive models to collect data that illustrate how changes in surface features are/were caused by constructive and/or destructive processes.

c. Ask questions to obtain information on how technology is used to limit and/or predict the impact of constructive and destructive processes.

GSE: Fine Arts: Music (2018)

General Music Grade 5

ESGM5.CR.2 Compose and arrange music within specified guidelines.

a. Create rhythmic and melodic motives to enhance literature.

b. Compose music (with or without text) within an octave scale in simple meter (e.g. quarter notes, quarter rests, barred eighth notes, half notes, half rests, dotted half notes, barred sixteenth notes, whole notes, whole rests, dotted quarter notes, single eighth notes, eighth rests, triplets).

c. Arrange rhythmic patterns to create simple forms, instrumentation, and various styles.

Performing

ESGM5.PR.1 Sing a varied repertoire of music, alone and with others.

IB PYP Homeroom (Fifth Grade)

Nicole Cheroff, Lisa Alexander, Katy Lucas, Wendy Sanders, Dale Ioannides, Kaytee Roberts, Kelley Jordan-Monne, Stephanie Berry, Whitney Niles, Courtney Benner, Paul Hulsing, Julie Chartier, Jessica

a. Sing accompanied and unaccompanied melodies within an appropriate range using head voice.

b. Sing with others (e.g. rounds, canons, game songs, partner songs, ostinatos).

c. Sing multiple songs representing various genres, tonalities, meters, and cultures, including at least one song in a foreign language.

d. Sing expressively, following the cues of a conductor.

ESGM5.PR.2 Perform a varied repertoire of music on instruments, alone and with others.

- b. Perform simple major/minor melodic patterns with appropriate technique.
- d. Perform multiple songs representing various genres, tonalities, meters, and cultures.
- e. Perform instrumental parts expressively, following the cues of a conductor.

ESGM5.PR.3 Read and Notate music.

b. Read and notate melodic patterns within a treble clef staff.

Responding

ESGM5.RE.1 Listen to, analyze, and describe music.

a. Distinguish between repeating and contrasting sections, phrases, and formal structures (e.g. AB, ABA, verse/ refrain, rondo, introduction, coda, theme/variations).

ESGM5.RE.2 Evaluate music and music performances.

a. Use teacher-provided and collaboratively developed criteria for evaluation of music and music performances (e.g. learned, student composed, improvised).

b. Use formal and/or informal criteria to evaluate music and musical performances by themselves and others.

c. Refine music performances by applying personal, peer, and teacher feedback.

d. Explain personal preferences for specific musical works using appropriate vocabulary.

Connecting

ESGM5.CN.1 Connect music to the other fine arts and disciplines outside the arts.

b. Discuss connections between music and disciplines outside the fine arts.

ESGM5.CN.2 Connect music to history and culture.

a. Perform and respond to music from various historical periods and cultures.

b. Discuss how sounds and music are used in daily lives.

c. Describe and demonstrate performance etiquette and appropriate audience behavior. GSE: Physical Education (2018)

Motor Skills and Movement Patterns Grade 5

Manipulative Skills

d. Throws underhand and overhand using a mature form utilizing a variety of objects with accuracy.

Personal and Social Behavior, Rules, Safety, and Etiquette Grade 5

PE5.4 The physically educated student exhibits responsible personal and social behavior that respects self and others in

IB PYP Homeroom (Fifth Grade)

Nicole Cheroff, Lisa Alexander, Katy Lucas, Wendy Sanders, Dale Ioannides, Kaytee Roberts, Kelley Jordan-Monne, Stephanie Berry, Whitney Niles, Courtney Benner, Paul Hulsing, Julie Chartier, Jessica

physical activity settings.

- a. Engages in responsible behavior through adherence to rules and procedures in a variety of physical activities.
- b. Participates with independent and cooperative responsibility.
- c. Gives and accepts corrective feedback respectfully to and from others (peers and adults).
- d. Applies safety principles with peers and equipment in physical activity settings.

Key and Related Concepts

Key Concepts

Key Concepts	Key questions and definition
Causation	Why is it as it is? The understanding that things do not just happen; there are causal relationships at work, and that actions have consequences.
Responsibility	What are our obligations? The understanding that people make choices based on their understandings, beliefs and values, and the actions they take as a result do make a difference.

Developing IB Learners Learner Profile Inquirers Thinkers Risk-takers (Courageous)

P Approaches to Learning

Description

Transdisciplinary Skills: Formulating Questions, Presenting Research, Organization, Time Management, Informed Choices, Analysis, Synthesis, Evaluation, Listening, Speaking, Reading, Writing.

How the World Works Nicole Cheroff, Lisa Alexander, Katy Lucas, Wendy Sanders, Dale Ioannides, Kaytee Roberts, Kelley Jordan-Monne, Stephanie Berry, Whitney Niles, Courtney Benner, Paul Hulsing, Julie Chartier, Jessica

IB PYP Homeroom (Fifth Grade)

Communication Skills

- Exchanging information - Listening, interpreting and speaking

Listening

Listen to, and follow the information and directions of others.

Listen actively to other perspectives and ideas.

Ask for clarifications.

Listen actively and respectfully while others speak.

Speaking

Speak and express ideas clearly and logically in small and large groups.

Give and receive meaningful feedback and feedforward.

State opinions clearly, logically and respectfully.

Discuss and negotiate ideas and knowledge with peers and teachers.

Communicate with peers, experts and members of the learning community using a variety of digital environments and media.

- Literacy - Reading, writing and using language to gather and communicate information

Reading

Read a variety of sources for information and for pleasure.

Read critically and for comprehension.

Make inferences and draw conclusions.

Use and interpret a range of terms and symbols.

Writing

Use appropriate forms of writing for different purposes and audiences.

Paraphrase accurately and concisely.

Record information and observations by hand and through digital technologies.

Use a variety of scaffolding for writing tasks.

Organize information logically.

Make summary notes.

Communicate using a range of technologies and media.

Understand and use mathematical notation and other symbols.

Responsibly participate in, and contribute to, digital social media networks.

Thinking Skills

- Critical thinking - Analysing and evaluating issues and ideas, and forming decisions

E. Rivers Elementary School

IB PYP Homeroom (Fifth Grade)

Nicole Cheroff, Lisa Alexander, Katy Lucas, Wendy Sanders, Dale Ioannides, Kaytee Roberts, Kelley Jordan-Monne, Stephanie Berry, Whitney Niles, Courtney Benner, Paul Hulsing, Julie Chartier, Jessica

Analysing

Observe carefully in order to recognize problems.

Analysing and evaluating issues and ideas, and forming decisions

Consider meaning of materials.

Take knowledge or ideas apart by separating them into component parts.

Use models and simulations to explore complex systems and issues.

Evaluating

Organize relevant information to formulate an argument.

Evaluate evidence and arguments, and associated decisions.

Recognize unstated assumptions and biases.

Consider ideas from multiple perspectives.

Synthesize new understandings by finding unique characteristics; seeing relationships and connections.

Test generalizations and conclusions.

Identify obstacles and challenges.

Forming Decisions

Develop contrary or opposing arguments.

Propose and evaluate a variety of solutions.

Revise understandings based on new information and evidence.

Draw conclusions and generalizations

- Creative Thinking - Generating novel ideas and considering new perspectives

Generating novel ideas

Use discussions and diagrams to generate new ideas and inquiries.

Practise "visible thinking" strategies and techniques.

Make unexpected or unusual connections between objects and/or ideas.

Design improvements to existing products, processes, media and technologies.

Considering new perspectives

Ask "what if" questions and generate testable hypotheses.

Apply existing knowledge to design new products processes, media and technologies.

Consider multiple alternatives, including those that might be unlikely or impossible.

Practise flexible thinking-develop multiple opposing, contradictory and complementary arguments.

Practise "visible thinking" strategies and techniques.

Generate metaphors and analogies.

How the World Works

IB PYP Homeroom (Fifth Grade)

Nicole Cheroff, Lisa Alexander, Katy Lucas, Wendy Sanders, Dale Ioannides, Kaytee Roberts, Kelley Jordan-Monne, Stephanie Berry, Whitney Niles, Courtney Benner, Paul Hulsing, Julie Chartier, Jessica

Research Skills

- Information literacy - Formulating and planning, data gathering and recording, synthesizing and interpreting, evaluating and communicating

Formulating and planning

Ask or design relevant questions of interest that can be researched.

Outline a plan for finding necessary information.

Evaluate and select appropriate information sources and/or digital tools based on the task.

Data gathering and recording

Gather information from a variety of primary and secondary sources.

Use all senses to find and notice relevant details.

Record observations by drawing, note taking, charting, tallying, writing statements, annotating images.

Synthesizing and interpreting

Sort and categorize information: arrange information into understandable forms such as narratives, explanatory and procedural writing, tables, timelines, graphs and diagrams.

Use critical literacy skills to analyse and interpret information.

- Media literacy - Interacting with media to use and create ideas and information

Locate, organize, analyse, evaluate and synthesize information from a variety of trusted sources, social media and online networks.

Compare, contrast and draw connections among (multi)media resources.

Seek a range of perspectives from multiple and varied media sources.

Demonstrate awareness of media interpretations of events and ideas.

Communicate information and ideas effectively to multiple audiences using a variety of media and modalities.

- Ethical use of media/ information - Understanding and applying social and ethical technology.

Use media ethically to communicate, share and connect with others.

Differentiate reliable from unreliable resources.

Understand the impact of media representations and modes of presentation.

View Action

Science: Through science lab students learned relationship between constructive and destructive forces as well weathering, erosion, and deposition of minerals.

Social Studies: Stock Market Activities. 1) Students tracked 5 stocks over course of 2 week period. 2) Students played stock market game which included the "purchase" of 1900s stocks/pricing and watched as different events caused the market to crash in 1929.



IB PYP Homeroom (Fifth Grade)

Nicole Cheroff, Lisa Alexander, Katy Lucas, Wendy Sanders, Dale Ioannides, Kaytee Roberts, Kelley Jordan-Monne, Stephanie Berry, Whitney Niles, Courtney Benner, Paul Hulsing, Julie Chartier, Jessica

Assessment & Resources

Ongoing Assessment			
2			
How	v_the_World_WorksPLAN2021_SPAN.docx Nov 29, 2021		

How_the_World_WorksPLAN.docx Nov 17, 2021 rubric_How_the_World_Works.docx Nov 17, 2021 Throwing_Assessment_-_Google_Forms.pdf Nov 3, 2021 5th Self-Rating Oct 25, 2021 What are the possible ways of assessing students' understanding of the central idea? What evidence, including student-initiated actions, will we look for?

How the World Works: Instability and Change

Central Idea: Instability produces change

Goal: To create a plan outlining the reconstruction of a region. This plan should also create jobs.

Role: You are a government employee.

Audience: You are explaining to government leaders the devastation that occurred in various regions of the United States. (Regions include: Atlanta; Chicago; Pittsburgh; Montgomery, AL; Kitty Hawk, NC; and Pearl Harbor, HI)

Situation: There has been a disruption on land. Propose a plan to restore the land. Some things you need to consider are: how can it be used for future use? What will the government do with the land? Remember...has the land shifted? Or changed? Give different situations: earthquake, fault line, volcano, tornado, and erosion.

Product: A model of what the land will be used for; you must show why that will work best so keep in mind the existing physical features. Additionally, you must include a written plan that details what kind of jobs you are creating and how this project is being funded; include a budget for this project.

Standard: SS5H1d, SS5G1, SS5H2, SS5E1, SS5E4, SS5E2d, S5E1 (a-c), ELAGGSE5L1,

What are the possible ways of assessing students' prior knowledge and skills? What evidence will we look for?

KWL, class discussion, hook activities, wonder chart



How the World Works Nicole Cheroff, Lisa Alexander, Katy Lucas, Wendy Sanders, Dale Ioannides, Kaytee Roberts, Kelley Jordan-Monne, Stephanie Berry, Whitney Niles, Courtney Benner, Paul Hulsing, Julie Chartier, Jessica

IB PYP Homeroom (Fifth Grade)

What are the possible ways of assessing students' understanding of the central idea? What evidence, including student-initiated actions, will we look for?

Learning Experiences

Designing engaging Learning Experiences

Introduction/Provocation: Visible Thinking Strategy: Zoom In; find a picture of erupting volcano (rock, lava, volcano)

· Changes as a result of instability

- Science AIMS lab: Earth's Construction Zone, landform booklet; Rate the Risks charting the number of earthquakes in each state; making observations about which geographic region has the highest potential for earthquakes
- STEMscopes Writing in Science; taking a deeper look at how earthquakes and volcanoes are both constructive and destructive
- Social Studies
- Great depression. Stock market crash, bank foreclosure
- · Causes of instability (Tectonic plates, boundaries, weathering, erosion)
 - Science Question starts thinking routine (why? what are the reasons? what if? what is the purpose of? what would be different if? what if we knew? suppose that ..?) use this to explore various science vocabulary around causes of instability
 - Lab to show the difference between weathering and erosion (Amy Reed, gelatin)
 - Writing prompt: show a picture and students decide if weathering, erosion, deposition or all three; must explain answer (STEMscopes 6th grade scope)
 - Social Studies
 - Spending/lending, banks/credit
- Surviving an unstable Environment (human interventions)
 - Science students will select an intervention and complete a brief research activity; they will present one form of media (Google slide, poster, brochure, etc) that provides information about the intervention. The students are responsible for "teaching" this information to the class
 - Red Light, Yellow Light provide students with a nonfiction reading passage, they read and locate information that makes them STOP and think, information that makes them slow down, and information that is already assimilated in their schema
 - Headlines (visible thinking strategy) summary activity for the unit; class creates a newspaper matching the 3 lines of inquiry and different groups will create a headline that matches one particular line of inquiry that incorporates science material as well
 - Social Studies
 - New Deal, job creation

Science Lab Activities: Exploring constructive and destructive forces/changes

- · Provocation "Instability Creates Change" I-movie/ Phenomena Video: "Georgia's Grand Canyon": Students write wonderings
- · Lab 1: Weathering/Erosion/Deposition with sand, gravel, frozen blocks of ice, steady stream of water: observe sediment, changes, "grand canyon"
- · Lab 2: Volcanoes: Stemscopes, erupt, layers of clay, see how land builds up
- · Lab 3: Earthquakes: Model with marbles, rubber bands, cardboard: AIMS, then build a cup tower without, then with the use of skewers as "earthquake rods"



How the World Works Nicole Cheroff, Lisa Alexander, Katy Lucas, Wendy Sanders, Dale Ioannides, Kaytee Roberts, Kelley Jordan-Monne, Stephanie Berry, Whitney Niles, Courtney Benner, Paul Hulsing, Julie Chartier, Jessica

IB PYP Homeroom (Fifth Grade)

- Seismographs explore
- Pan of jello and cup tower explore
- · Lab 4: Beachfront property: use sand, various sized rocks to model beach erosion, jetty, sea wall, and levee
- Students will create their own "Changing Earth" model, then justify, explain, and determine what type of force caused the change and the resulting land forms by recording on Flipgrid.

Music

- · Central Idea: Texture adds detail to melody.
- · Key Concepts: Connection, Causation, Responsibility
- · Activities: Play, sing, analyze melodic and harmonic components of class musical literature
- Learner Profile: Students will develop IB attitudes of curiosity, independence, commitment, and creativity as they learn singing and instrumental techniques, analyze melodic and harmonic structure of their songs (figuring out how they are connected), and develop the beginnings of a performance.
- Assessment: Students will use the class rubric to self-assess, and teacher will assess as well. Students will also assess other works, using the rubric, through listening.

Art Class Instruction:

Central Idea: Choices lead to consequences: Example: Students will create radial symmetry studying positive and negative space, as well as color theory. Students will learn to mix colors using only primary colors.

Key Concepts: Connection, responsibility

Students will focus on IB profiles Inquirer, thinker, risk-taker:

-creating works of art that display the following elements of art: color, line, value, texture

-Connecting to Mexican Art forms: Example: creating a repeating and printed Mexican tile

-Math Connection: creating 1/4 of Mexican tile design. Learning how to rotate and reflect a design to make a "whole" tile.

-Science Connection: Creating a shaded dragon eye using only primary colors. Practicing what hues mix to make other colors

Assessment: Color Wheel mixing with primary colors, Dragon eye drawing with warm and cool colors using primary colors, Mexican tile using printmaking

Physical Education:

Central Idea: Aim determines trajectory of an object being thrown

Key Concepts: Reflection and Causation

Learner Profile: Reflective, Thinker, and Risk Taker

Students will aim at a target and hit the target 7 out of 10 times. Students will reflect on why they are/are not hitting the target by adjusting their throwing pattern or aim.

Spanish

- Students will recognize vocabulary related to constructive and destructive forces, layers of earth, natural disasters: Quizlet

Key concepts: Causation and Responsibility





Nicole Cheroff, Lisa Alexander, Katy Lucas, Wendy Sanders, Dale Ioannides, Kaytee Roberts, Kelley Jordan-Monne, Stephanie Berry, Whitney Niles, Courtney Benner, Paul Hulsing, Julie Chartier, Jessica

How the World Works

IB PYP Homeroom (Fifth Grade)

Reinforce Central Idea - Instability produces change

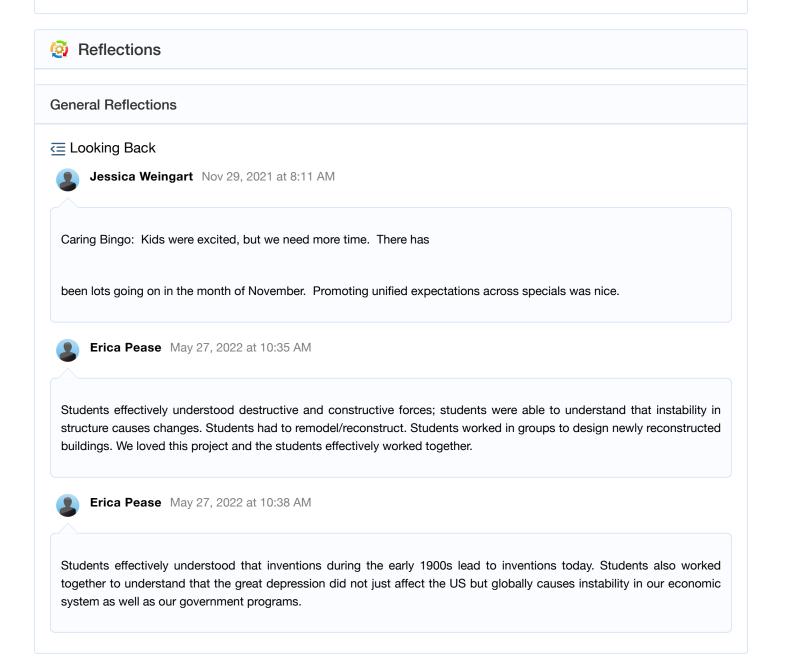
Profile: Inquirer

Attitude: Curiosity

Novel Study Options: Truce The Day Soldiers Stopped Fighting

Visible Thinking Strategy Options: Zoom In, Connect/Extend Concept Map

Social Studies: Students will create a WW1 newspaper highlighting articles, spotlight on people, maps, advice column, etc





How the World Works Nicole Cheroff, Lisa Alexander, Katy Lucas, Wendy Sanders, Dale Ioannides, Kaytee Roberts, Kelley Jordan-Monne, Stephanie Berry, Whitney Niles, Courtney Benner, Paul Hulsing, Julie Chartier, Jessica

IB PYP Homeroom (Fifth Grade)

Looking Forward Jessica Weingart Nov 30, 2021 at 3:48 PM We would do our bingo again in a less busy time of year, perhaps September and March.

Stream & Resources

Resources

2

Note posted on Aug 15, 2019 at 9:48 AM

Discovery Education, High Touch High Tech, BrainPop, AIMS materials, YouTube videos, TED-ED