

Figure 3
Interdisciplinary PBI Global project timeline.

Weeks 1-2			
	Learning Goals	PBI Global Phase	Project Benchmarks
Science	<ul style="list-style-type: none"> Describe the PBI Global process Design a water filter using commonly available materials Evaluate water filter design for effectiveness, sustainability, and scalability across diverse community contexts Identify and evaluate the factors impacting local water quality Identify and analyze credible disciplinary sources related to clean water and adequate sanitation 	Gather & Analyze Sources	<ol style="list-style-type: none"> Student teams Team collaborative work spaces on project website Student expectations for PBI Global Annotated bibliography entry for disciplinary source(s)
Math	<ul style="list-style-type: none"> Create a data representation to represent key findings from the water filter design challenge Interpret at least three observations from your data representation Analyze data examining the relationship between two variables - an indicator of clean water and adequate sanitation and an indicator for one of the 16 additional SDGs Identify and analyze credible disciplinary sources related to clean water and adequate sanitation 	Gather & Analyze Sources	<ol style="list-style-type: none"> Student expectations for PBI Global Annotated bibliography entry for disciplinary source(s)
English	<ul style="list-style-type: none"> Summarize the dual narrative in <i>A Long Walk to Water</i> Evaluate the role that access to clean water and adequate sanitation plays in Salva's and Naya's lives Identify and analyze credible disciplinary sources related to clean water and adequate sanitation 	Gather & Analyze Sources	<ol style="list-style-type: none"> Student expectations for PBI Global <i>A Long Walk to Water</i>, chapters 1-18 Annotated bibliography entry for <i>A Long Walk to Water</i>
Spanish	<ul style="list-style-type: none"> Identify and describe the factors impacting access to clean water and adequate sanitation in Spanish-speaking countries Understand words and concepts about water and sanitation presented in Spanish Identify and analyze credible disciplinary sources related to clean water and adequate sanitation 	Gather & Analyze Sources	<ol style="list-style-type: none"> Student expectations for PBI Global Annotated bibliography entry for disciplinary source(s)
History/ Social Studies	<ul style="list-style-type: none"> Identify and describe the factors impacting access to clean water and adequate sanitation globally Analyze the political, social, economic, and environmental contexts impacting access to 	Gather & Analyze Sources	<ol style="list-style-type: none"> Student expectations for PBI Global Annotated bibliography entry for disciplinary source(s)

	<p>clean water and adequate sanitation in South Sudan and your local community</p> <ul style="list-style-type: none"> Analyze global connections between clean water and adequate sanitation and issues enshrined in 16 additional SDGs Identify and analyze credible disciplinary sources related to clean water and adequate sanitation 		
Week 3			
	Learning Goals	PBI Global Phase	Benchmarks
Science	<ul style="list-style-type: none"> Develop a Compelling Question to drive each student team's inquiry on the relationship between clean water and adequate sanitation and an additional SDG Analyze local connections between clean water and adequate sanitation and issues enshrined in 16 additional SDGs Analyze research evidence in Annotated Bibliography Graphic Organizer (lens = claim 1 - local context) 	<p>Ask a Compelling Question</p> <p>Gather & Analyze Sources</p>	<ol style="list-style-type: none"> Compelling Question Annotated bibliography entry for disciplinary source(s)
Math	<ul style="list-style-type: none"> Analyze data pertinent to each student team's compelling question Create data representations that support each student team's evidence-based response to their Compelling Question 	Gather & Analyze Sources	<ol style="list-style-type: none"> 2-3 Data representation(s) Annotated bibliography entry for disciplinary source(s)
English	<ul style="list-style-type: none"> Analyze research evidence in Annotated Bibliography Graphic Organizer (lens = introduction - global context and thesis statement) Create a thesis statement in response to each team's Compelling Question and evidence gathered in the Annotated Bibliography Graphic Organizer Identify and analyze credible disciplinary sources related to student team's compelling question 	<p>Creatively Synthesize Claims & Evidence</p> <p>Gather & Analyze Sources</p>	<ol style="list-style-type: none"> Thesis statement Annotated bibliography entry for disciplinary source(s)
Spanish	<ul style="list-style-type: none"> Analyze research evidence in Annotated Bibliography Graphic Organizer (lens = claim 2 - Spanish-speaking country context) 	Gather & Analyze Sources	<ol style="list-style-type: none"> 5-7 key terms in Spanish pertaining to water and sanitation Annotated bibliography entry for disciplinary source(s)
History/ Social Studies	<ul style="list-style-type: none"> Analyze research evidence in Annotated Bibliography Graphic Organizer (lens = conclusion - social activism) Identify organizations making an impact (locally and globally) in the area addressed by each team's Compelling Question Analyze the role of individuals, NGOs, and government organizations in meeting the targets set forth in the SDGs, especially Goal 6 	Gather & Analyze Sources	<ol style="list-style-type: none"> Organizational summaries for 2-3 organizations impacting access to water and sanitation as addressed in each team's Compelling Question Annotated bibliography entry for disciplinary

	<ul style="list-style-type: none"> Identify and analyze credible disciplinary sources related to student team's compelling question 		source(s)
Week 4			
	Learning Goals	PBI Global Phase	Benchmarks
Science	<ul style="list-style-type: none"> Write a claim with supporting evidence paragraph(s) in response to your team's Compelling Question (lens = claim 1 - local context) 	Creatively Synthesize Claims & Evidence Gather & Analyze Sources	1. Claim 1 + Supporting Evidence paragraph(s) 2. Annotated bibliography entry for disciplinary source(s)
Math	<ul style="list-style-type: none"> Interpret data representations in service of each student team's evidence-based response to their Compelling Question with at least two observations per data representation 	Creatively Synthesize Claims & Evidence Gather & Analyze Sources	1. 2-3 Data representation(s) with at least 2 observations per representation 2. Annotated bibliography entry for disciplinary source(s)
English	<ul style="list-style-type: none"> Write introduction paragraph(s) detailing the global context and setting forth your team's thesis in response to your Compelling Question Revise draft Claims Sheet based on External Experts' feedback 	Critically Evaluate & Revise Creatively Synthesize Claims & Evidence	1. Introduction paragraph(s) 2. Claims Sheet Feedback from External Experts 3. Annotated bibliography entry for disciplinary source(s)
Spanish	<ul style="list-style-type: none"> Write a claim with supporting evidence paragraph(s) in response to your team's Compelling Question (lens = claim 2 - Spanish-speaking country context) 	Creatively Synthesize Claims & Evidence Gather & Analyze Sources	1. Claim 2 + Supporting Evidence paragraph(s) 2. Annotated bibliography entry for disciplinary source(s)
History/ Social Studies	<ul style="list-style-type: none"> Write conclusion paragraph(s) describing how individuals, NGOs, and governments are taking action to meet the targets set forth in the SDGs addressed through your Compelling Question and what more can be done 	Creatively Synthesize Claims & Evidence Gather & Analyze Sources	1. Conclusion paragraph(s) 2. Annotated bibliography entry for disciplinary source(s)
Week 5			
	Learning Goals	PBI Global Phase	Benchmarks
Science	<ul style="list-style-type: none"> Visually synthesize inquiry findings and create an infographic Revise claim 1 and supporting evidence paragraph(s) based on External Experts' feedback 	Critically Evaluate & Revise Creatively Synthesize Claims & Evidence	1. Infographic 2. Revised Claim 1 + Supporting Evidence paragraph(s)
Math	<ul style="list-style-type: none"> Evaluate data representations for their effective use in each student team's infographic and Public Service Announcement Revise data representations and observations based on External Experts' feedback 	Critically Evaluate & Revise Creatively Synthesize Claims & Evidence	1. 2-3 data representations for infographic and Public Service Announcement 2. Revised data representations

English	<ul style="list-style-type: none"> • Create “elevator pitch” script in English for showcase • Finalize Claims Sheet based on External Experts’ feedback • Revise introduction paragraph(s) based on External Experts’ feedback 	<p>Critically Evaluate & Revise</p> <p>Creatively Synthesize Claims & Evidence</p>	<ol style="list-style-type: none"> 1. English elevator pitch script 2. Revised introduction paragraph(s) 3. Finalized Claims Sheet
Spanish	<ul style="list-style-type: none"> • Create “elevator pitch” script in Spanish for showcase • Revise claim 2 and supporting evidence paragraph(s) based on External Experts’ feedback 	<p>Critically Evaluate & Revise</p> <p>Creatively Synthesize Claims & Evidence</p>	<ol style="list-style-type: none"> 1. Spanish elevator pitch script 2. Revised Claim 2 + Supporting Evidence paragraph(s)
History/ Social Studies	<ul style="list-style-type: none"> • Visually synthesize inquiry findings for the purpose of persuasion and create a Public Service Announcement • Revise conclusion paragraph(s) based on External Experts’ feedback 	<p>Critically Evaluate & Revise</p> <p>Creatively Synthesize Claims & Evidence</p>	<ol style="list-style-type: none"> 1. Public Service Announcement 2. Revised conclusion paragraph(s)
Week 6			
	Learning Goals	PBI Global Phase	Benchmarks
Science	<ul style="list-style-type: none"> • Rehearse for showcase • Prepare for collective action, e.g., Walk for Water <ul style="list-style-type: none"> ○ Collect water jugs ○ Devise sustainable solution for water retrieval and post-Walk use • Revise infographic based on External Experts’ feedback 	<p>Critically Evaluate & Revise</p> <p>Share, Publish, & Act</p>	<ol style="list-style-type: none"> 1. Showcase rehearsal 2. Collective action plan 3. Revised infographic
Math	<ul style="list-style-type: none"> • Prepare for collective action, e.g., Walk for Water <ul style="list-style-type: none"> ○ Fundraising component ○ Event logistics 	<p>Critically Evaluate & Revise</p> <p>Share, Publish, & Act</p>	<ol style="list-style-type: none"> 1. Collective action plan
English	<ul style="list-style-type: none"> • Revise “elevator pitch” script for showcase based on External Experts’ feedback • Finalize Claims Sheet based on External Experts’ feedback 	<p>Critically Evaluate & Revise</p> <p>Share, Publish, & Act</p>	<ol style="list-style-type: none"> 1. Revised English elevator pitch script 2. Finalized Claims Sheet
Spanish	<ul style="list-style-type: none"> • Revise “elevator pitch” script in Spanish based on External Experts’ feedback 	<p>Critically Evaluate & Revise</p> <p>Share, Publish, & Act</p>	<ol style="list-style-type: none"> 1. Revised Spanish elevator pitch script
History/ Social Studies	<ul style="list-style-type: none"> • Revise Public Service Announcement based on External Experts’ feedback 	<p>Critically Evaluate & Revise</p> <p>Share, Publish, & Act</p>	<ol style="list-style-type: none"> 1. Revised Public Service Announcement