

Brussels-Lux Study Tour 2022

K-12 Teacher Unit Planning Template

Name: Katie Soltys		Unit Plan: Implemented towards the end of the year	
		Subject/Grade Level: 6th Grade Science	
Unit Title:	Climate Change		
Unit Narrative:	In this unit the students will be initially shown a phenomenon (glaciers retreating), and then they will use inquiry learning to investigate what could be causing this to happen. Then they will research what the United States is doing to help combat global climate change vs. what the EU is doing.		
Standards:	Apply Scientific Principles to design a method for monitoring or minimizing human impact on the environment.		
Objectives			
<ul style="list-style-type: none"> → The students will compare and contrast the EU vs. US climate action → The students will identify renewable and nonrenewable energy resources 			
Big Ideas			
<ul style="list-style-type: none"> → Students will learn all about the Green Deal as well as the US and EU plans on reaching net zero emissions by 2050 			
Essential Questions			
<ul style="list-style-type: none"> → What are some ways that governments throughout the world can combat the global climate crisis? → What is the US doing to help the environment vs. what the EU is doing? 			
Learning Acquisition and Assessment			
Students will know... (content/concepts)		Students will be able to... (skills, performance tasks)	
<ul style="list-style-type: none"> → How greenhouse gases are emitted into the atmosphere → What is causing global warming → Renewable vs. Non renewable Energy → United States and European Union environmental goals 		<ul style="list-style-type: none"> → compare and contrast the US environmental goals to the EU Green Deal → Create a climate action plan for our town 	
Formative Assessments		Summative Assessments	
<ul style="list-style-type: none"> → Comparing and Contrasting the US environmental goals to the EU Green Deal. 		<ul style="list-style-type: none"> → The students will create a climate action plan for our town of Southington, applying what they've learned in this unit. 	
Learning Activities (1 week – 5 days): Lesson introduction, body, and closing			
Day 1	<ul style="list-style-type: none"> → Global Warming Phenomenon- The students will be shown pictures of glacial retreating. Then they will write scientific questions and draw an initial model of what's causing this to happen. 		
Day 2	<ul style="list-style-type: none"> → Greenhouse gases- Students will watch some videos on fossil fuels, and research to find out about how greenhouse gases get into the atmosphere. 		
Day 3	<ul style="list-style-type: none"> → Renewable vs. Non renewable energy that the U.S and the E.U are using 		

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Day 4	→ Compare and Contrast the US environmental goals to the EU Green Deal.
Day 5	→ Students will apply what they've learned about the U.S. and EU climate action plans, and come up with a climate action plan for our town of Southington. They will also include pros and cons of their climate action plan.
Resources and Materials	
→ The Green New Deal, Explained/ US & European Union (video on Youtube)	
→ EU Beats US! -Adopts its own Green New Deal (article)	