

Online Resource 7.16 Seventh-Grade Unit Example

Note to Teachers: This guide is meant to be a template for you to fill out for a variety of different units, content areas, and grade levels. The responses (indicated in blue) are meant to be guidelines of content you might fill in here yourself.

Unit Design			
Learning Intention(s)			
<i>I will . . .</i>	<ul style="list-style-type: none"> Apply how the cycling of water through Earth's systems driven by energy from the sun and the force of gravity is impacted by and impacts humans. 		
Success Criteria			
	Surface	Deep	Transfer
	<i>I will . . .</i> <ul style="list-style-type: none"> Explain how water continually cycles among land, ocean, and atmosphere via transpiration, evaporation, condensation and crystallization, and precipitation, as well as downhill flows on land. Explain global movements of water and how its changes in form are propelled by sunlight and gravity 	<i>I will . . .</i> <ul style="list-style-type: none"> Model the interrelationship between global water movements, sunlight, and gravity 	<i>I will . . .</i> <ul style="list-style-type: none"> Produce and present on how humans are affected by—and can influence—the cycling of water. Present a solution to a real-world problem related to the cycling of water.
Student Tasks			
	Surface	Deep	Transfer
	<ul style="list-style-type: none"> Written responses to videos and articles 	<ul style="list-style-type: none"> Perform labs. Submit Venn Diagram. Participate in the Critical Friends Activity. 	<ul style="list-style-type: none"> Submit a brief paper and presentation on transfer questions.
Lessons			
<i>Prior Knowledge</i>	Surface	Deep	Transfer
	<ul style="list-style-type: none"> Familiarity with cycles 	<ul style="list-style-type: none"> Familiarity with modelling 	<ul style="list-style-type: none"> Understands the elements of producing and presenting a paper
<i>Lessons</i>	<ul style="list-style-type: none"> Lesson 2, 3, 4 	<ul style="list-style-type: none"> Lesson 5 	<ul style="list-style-type: none"> Lesson 1, 10

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Cross Context (Transfer)	
Purposeful and Provocative	Provide situations that are popular and controversial (climate change, wind energy, flooding, natural disasters).
Perplexing Problems	Provide situations that are difficult to solve.
Perspective-Laden	Incorporate the perspective of those who are impacted and are largely perceived as powerless regarding the issue.

Calendar					
	Monday	Tuesday	Wednesday	Thursday	Friday
Week 1	<ul style="list-style-type: none"> Scenario Learning Intentions and Success Criteria Pre-Assessment 	<ul style="list-style-type: none"> Lesson 2 	<ul style="list-style-type: none"> Lesson 3 	<ul style="list-style-type: none"> Lesson 4 	<ul style="list-style-type: none"> Lesson 5
Week 2	<ul style="list-style-type: none"> Case 	<ul style="list-style-type: none"> Develop Solution 	<ul style="list-style-type: none"> Give and receive feedback 	<ul style="list-style-type: none"> Develop Solution Post-Assessment 	<ul style="list-style-type: none"> Present