

	Lesson + Classwork Links	Homework
Day 1	Warm-Up Questions (in Formative)	Link to packet
	Voices of the World	
	Intro to 50 Year Energy Plan	
	How do we create power?	
	Background Research on Power Production	
Day 2	Warm-Up Questions (in Formative)	Read about Oregon's approach to at least two of the energy sources (pages 20-22) and respond in a discussion thread.
	Finish Background Research on Power Production	
	Exploring Our Engineering Challenge	
	Kick-off Playing Energy City Simulation	
Day 3	Warm-Up Questions (in Formative)	PhET: Circuit Construction
	In class essay on Exploring Our Engineering Challenge	
	Getting to the Basic Physics of Power Production	
	Using our Inner Scientist to Reason about Electricity	
	Making Speakers	
Day 4	Warm-Up Questions (in Formative)	
	Finish Making Speakers	
	From Speakers to Electric Guitars	
	Exploring Generators: PhET Faraday Law	
Day 5	Warm-Up Questions (in Formative)	Watch Intro Video and Play NOVA's Energy Lab Simulation
	6Q1 - Quiz on the Basic Physics of Motors & Generators	
	Scaling Up to Large Scale Power Production	

Day 6	Warm-Up Questions (in Formative)	Multiple Opportunity to Demonstrate Inquiry Skills: Lab Template for affect of a Parameter on Wind Turbine Power Output
	Scaling to Large Scale Power Production	
	Introduce Wind Turbine Design Optimization	
	Check-in on Strategy in Energy City	
Day 7	Warm-Up Questions (in Formative)	
	Data Analysis and Presentation	
Day 8	Warm-Up Questions (in Formative)	
	Wind Turbine Design Optimization	
Day 9	Warm-Up Questions (in Formative)	
	6Q2 - Quiz on the Basic Physics of Wind Turbines	
	Test the efficiency of the your wind turbine	
Day 10	Warm-Up Questions (in Formative)	
	Solar Cells at Your School (6L2 - Optimizing a Solar Cell Lab Template)	
Day 11	Warm-Up Questions (in Formative)	
	Finish Optimizing a Solar Cell	
	6Extension - Wave / Particle Duality	
	Check-in on Strategy in Energy City	
Day 12	Warm-Up Questions (in Formative)	
	We need to Investigate the Earth System for the Climate Impact Rubric	
	Understanding Earth Systems	
	Check-in on Strategy in Energy City	
Day 13	Warm-Up Questions (in Formative)	

Day 13	Finish Understanding Earth Systems	
Day 14	Warm-Up Questions (in Formative)	
	Quiz on Understanding Earth Systems	
	Applying our understanding of earth systems to generate rubric	
	Philosophical Chairs	
Day 15	Warm-Up Questions (in Formative)	
	Use Computational Thinking to Develop Your 50 Year Energy Plan	
	Communicate and Reflect on Your 50 Year Energy Plan	
Day 16	Warm-Up Questions (in Formative)	
	Use Computational Thinking to Develop Your 50 Year Energy Plan	
	Communicate and Reflect on Your 50 Year Energy Plan	
	Compare Your 50 Year Energy Plan	
	Preparing for your Reasoning about the Best Design	
Day 17	In class essay comparing plans/conclusion and predictions & limitations	