

# PowerWheel Lesson Plan



## Sample PowerWheel Questions using Bloom's Taxonomy

Question/Statement	Level on Taxonomy	Notes
Where do you live?	Knowledge	
What company do you get your power from?	Knowledge	
Do you know how they provide power to you?	Comprehension	
Do you know what this is? (Point at PowerWheel)	Analysis	
Did you know that there are different types of energy?	Analysis	
The water that sits in the water tower in your town has potential energy. What do you think the definition of potential energy is?	Analysis	
Can you think of other examples of potential energy?	Application/Analysis	
As the water goes through the hose, it becomes kinetic energy. What do you think the word kinetic means?	Analysis	
The water turns the turbine (Pelton Wheel) and is converted into mechanical energy. Why is it called mechanical energy?	Analysis	
The PowerWheel is an example of a Pelton Wheel or turbine. Can you think of other examples of turbines that you have seen?	Application	
Do you think that the PowerWheel could power up this string of LED lights?	Evaluation	
What do you think will happen if water goes through the PowerWheel at a faster rate?	Evaluation	
What do you then think will happen to the LED lights?	Synthesis	