

3. Solution Hierarchies

Time: 60 minutes

Introduction

At this point, students are familiar with many solutions for combating critical issues. This activity allows students the opportunity to categorize, list and rank solutions based on many different criteria. This activity works best within a single chapter (for example “Re-Powering America”), but as hierarchies are created, solution lists from multiple chapters can be combined for more comprehensive comparisons.

Procedure

1. Students will already have a list of solutions for a specific chapter from the previous activity. Students will have also completed the grid on their *Solution Fact Sheet*, they will need to reference the grid to complete the activity.
2. Students will rank and group the solutions based on the following criteria resulting in 5 separate ranked lists and 3 solution groups when they are completed.

1. Most Easily Implemented	2. Most Energy Savings	3. Most Cost Effective	4. Solutions Our Class/School Can Implement	5. Solutions I Will Implement
Solutions Ranked 1-18	Solutions Ranked 1-18	Solutions Ranked 1-18	Solutions Ranked 1-18	Solutions Ranked 1-18

Individual Solutions	This group contains solutions that can be implemented by an individual effectively.
Group Solutions	This group contains solutions that must be implemented by a group or community to be effective
Institutional Solutions	This group contains solutions that require institutional changes to society, government and policies.

3. Students will then engage in a whole-class discussion in order to create four separate hierarchies the class can agree upon (“Solutions I Will Implement” does not need to be discussed). These hierarchies should be written on chart paper or projected for the entire class to view. Students can also discuss the placement of each solution into one of the three solution groups.

Lesson Timeline

Students rank or group solutions based on specific criteria	30 minutes
Students engage in a whole-class discussion to create whole-class hierarchies	30 minutes