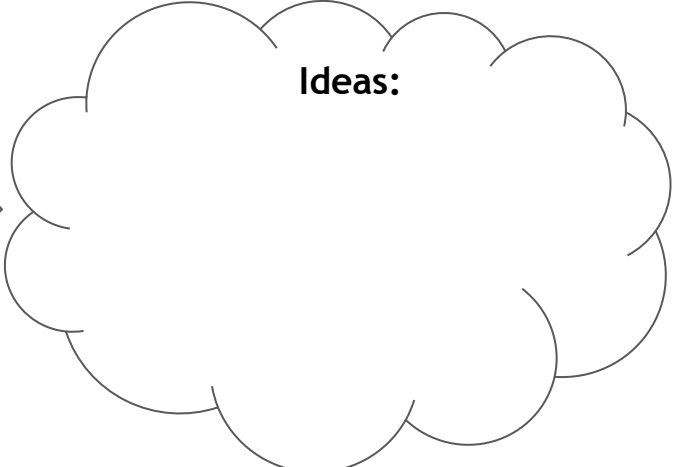
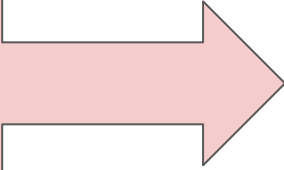
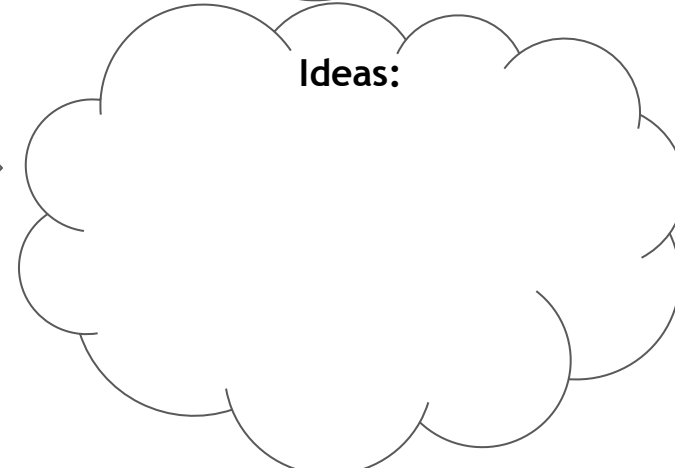
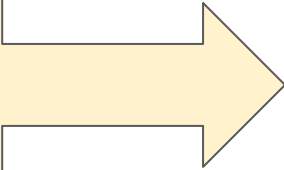


How To Create A Relevant STEM Challenge

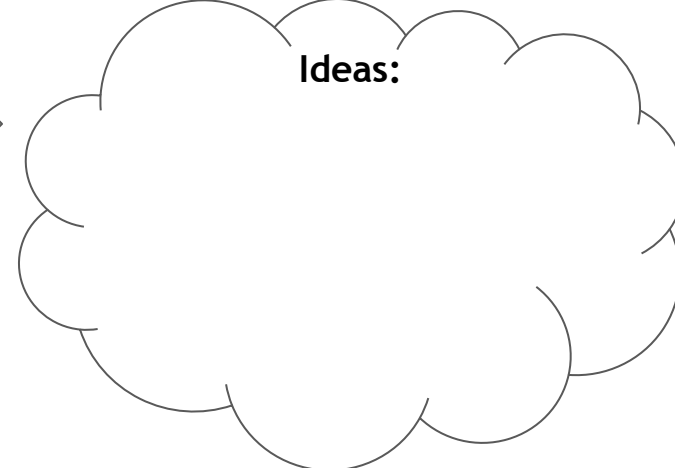
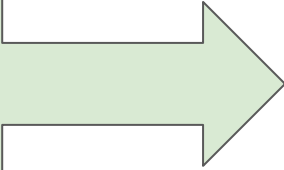
1. What experiences do your students relate to?
(Think of modes of transportation, local industries, cultural traditions, etc.)



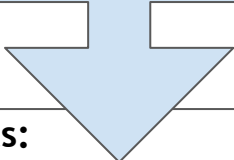
2. What supplies are easily accessible to your students?
(Think of recyclable materials, things in their natural environment etc.)



3. What local problems exist?
(Think of issues related to accessing technology or basic goods, health concerns, etc.)



4. How can you use the supplies available to solve a local problem building on what your students are familiar with?



Ideas:

Example 1: In a rural Alaska community, where the only way to get from one town to the next is via airplane, how can you make a glider out of sticks and leaves that will fly the farthest.
Example 2: In rural India, where irrigating crops is a major challenge, design a way to collect rain water and distribute it to plants using sticks and cardboard.