

## Activity Challenge: Dreaming of STEM Solutions

*There are lots of problems being solved every day by STEM professionals- this is your chance to 'dream up' how STEM can solve problems!*

### 1 Ask the girls questions to get started:

- ▶ What is STEM? (Science, Technology, Engineering, and Math.)
- ▶ Those are the words we know, but what is STEM and why is it important? (STEM is using science, engineering, technology and math to solve problems. STEM is learning how to computer code, building a prosthetic arm, learning the lifecycle of a butterfly, being able to analyze data to cure diseases, being an architect, a doctor, a software designer, a builder, a farmer, a teacher, and more!)
- ▶ What are some things you do in your everyday life that are possible because of people in STEM careers? (Using our phones, watching TV, playing video games, etc.)

### 2 Do this activity:

- ▶ Identify a problem you would like to solve.
- ▶ Think of ways the problem could be solved using science, engineering, technology, and math.
- ▶ Draw a picture of the problem in the center of your pillowcase, and then draw pictures of how the problem can be solved using science, technology, engineering, and math around the center.

### 3 Reflect on the experience:

- ▶ Was it difficult to pick one problem you wanted to solve?
- ▶ How challenging was it to come up with STEM solutions for your problem? Were there only a few ways you could use STEM to solve the problem or were there many?
- ▶ Can you think of some careers you could pursue that would help you solve the problem? Is the career a STEM Career? Of course it is! If you are using STEM skills, it is a STEM career!



Brownie, Juniors, and Cadettes can take a deeper dive into different careers by earning the new STEM Career badges! You will have fun learning about all the opportunities you could pursue for your future career.

*This activity is aligned with (but does not fulfill all the badge requirements for) the Daisy, Brownie, Junior STEM Exploration badges. You can find the complete badge curriculum on the **VTK!***