

Daisy–Junior Journey Guide

Engineering

Think Like an Engineer

1. The Purpose of Think Like an Engineer

i Exploring the exciting world of STEM becomes a possibility with *Think Like an Engineer!* Engineers come in all shapes and sizes, from aeronautical to biomedical. Through this Journey you will see just how many ways engineers help your city. Learn to think outside the box and become the engineer of your own future!

2. Take Action Project

i To complete *Think Like an Engineer*, finish the Journey using Volunteer Tool-Kit (VTK), and earn the Think Like an Engineer and Take Action awards.

NOTE to adults—A take action project is something your girl should plan and lead. It doesn't have to be big. It's important she discover her world. What does she see? What does she want to change? How can she take steps to help make those changes? This is where her creativity can shine through as she creates change for a real-world problem.

Let's take action.

Examples:

- Design a tool that will help someone you know. Maybe it's a tool to help your teacher.
- Start an engineering club for students at your school.
- Perform a skit that shows how important engineers are.

3. Engineer and Take Action Awards

i Throughout the Journey you will earn the Think Like an Engineer and Take Action awards.

- **Think Like an Engineer:** Earned by completing a simple engineering project. This can be designing a bird house, or an emergency shelter.
- **Take Action:** Complete a take action project that will positively impact her community!

4. Field Trips Ideas

i Field trips can be a fun way to get inspired and explore what your take action project could be.

NOTE to adults— Help widen her world and broaden her sense of community. Prioritize taking trips to places that can further your girl's understanding of the issues she is excited and passionate about.

Examples:

- Take a tour of your city and look at all the bridges.
- Go to the zoo and think about how animal enclosures are designed.
- Visit an airport and look at the way things work.

5. Think Like an Engineer Ending

i You did it. You completed the Journey, earned the Think Like an Engineer, and Take Action awards. Congratulations! It's time to celebrate your hard work and share what you have learned with your friends and family.