

# EDGE



## ENVIRONMENTAL DESIGN AND GREEN ENGINEERING

**Free Summer  
Learning  
Opportunity**



## Cutting EDGE Learning for Summer 2026

Are you looking for an engaging STEM program for middle schoolers during summer 2026? 4Leaf Learning has created Environmental Design and Green Engineering (EDGE) in conjunction with The Tech Interactive in San Jose, California. This six-session curriculum provides fun, hands-on activities that tackle real-world environmental engineering challenges and build 21<sup>st</sup> century skills, all free of charge.

### ENVIRONMENTAL ENGINEERING

Cleaning up oil spills. Developing wildfire warning systems. Creating wildlife bridges for struggling species. EDGE introduces youth to real-life engineering issues and asks the big question: how would YOU address them?



### THE DESIGN CYCLE

How do students begin to address such big challenges? Exploring the design cycle—identifying the problem, brainstorming solutions, building a prototype, and testing it—helps youth develop the skills they need to do big things.



### 21ST CENTURY SKILLS

Each section of the design cycle is paired with 21<sup>st</sup> century skills such as developing focus, using your voice, working as a team, and persevering when prototypes don't go exactly as planned.



[www.4leaflearning.org](http://www.4leaflearning.org)

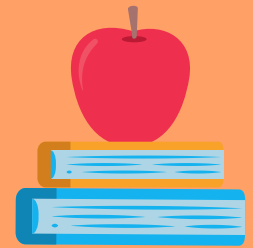
# For youth



- Explore the engineering design process
- Learn about environmental engineering
- Collaborate on real-world solutions
- Discover STEM careers
- Build resiliency skills to thrive in school, at home, and in life

- Attend synchronous online program leader training / professional development
- Utilize a facilitator guide with detailed information about each session as well as worksheets and slides
- Lead 6-8 hours (6 sessions) of hands-on, engineering-focused content for middle school youth

# For Educators



## Is EDGE right for you?



- At least six youth in grades 5-8 who can regularly participate
- Internet access & one computer per two participants
- Attendance at a training session
- Youth and facilitator surveys and participation in a focus group.

## TO LEARN MORE AND APPLY

To sign up to be part of EDGE during summer 2026, please use this QR code or click [here](#) by April 30, 2026. For questions, please email [4Leaf.center@gmail.com](mailto:4Leaf.center@gmail.com).

[www.4leaflearning.org](http://www.4leaflearning.org)

