



# 50 WAYS TO INCLUDE **SCIENCE**, **ENGINEERING**, OR **TECHNOLOGY** IN 4-H SERVICE LEARNING PROJECTS

- 1 Host a community science fair
- 2 Create a GIS disaster evacuation map and present it to the City Council
- 3 Plan a science career fair at your school
- 4 Become a nature guide at an arboretum or park
- 5 Research and present on a hot science topic to a community organization
- 6 Tutor as part of an organized science or math program
- 7 Plan a youth engineering challenge event
- 8 Start a science education program at an afterschool program
- 9 Promote environmentally safe ways to control household pests
- 10 Design, build, and plant a community garden
- 11 Organize a drive to paint 'No Dumping' signs on storm drains
- 12 Offer to help local scientists with their research
- 13 Develop a public display that highlights local community scientists
- 15 Identify the source of your city's electricity and advocate for more renewable sources
- 16 Take children on a visit to a local science center
- 17 Host a 'Meet a Scientist' or 'Meet an Engineer' night
- 18 Organize a stream or beach cleanup and conduct water quality testing
- 19 Educate others about engineering careers
- 20 Collect animal or plant specimens for environmental groups
- 21 Educate others about proper ways to recycle electronic equipment
- 22 Partner with a local science center to offer public science days
- 23 Share the science behind proper nutrition at a healthy living event
- 24 Advocate for environmental protection to local and county governments
- 25 Host a public 4-H National Youth Science Day event
- 26 Work with a wildlife refuge to build environmental preserves
- 27 Start a reforestation campaign in places ravaged by wildfire
- 28 Educate others about the risks of online identity theft



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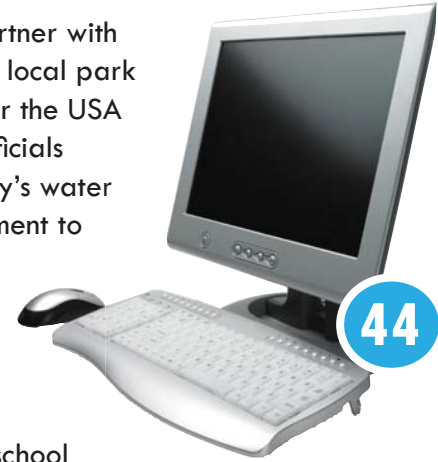
The projects listed are creative ideas to get you started and are not necessarily stand-alone service learning projects. To learn more about service learning, visit [www.ca4h.org/Projects/Citizenship/ServiceLearning](http://www.ca4h.org/Projects/Citizenship/ServiceLearning).

**29** Coordinate a GPS project to map local sources of fresh fruits and vegetables **30** Partner with the Parks and Recreation Department to determine the optimal playground layout for a local park **31** Film a documentary of favorite places in your community **32** Plan a satellite event for the USA Science & Engineering Festival **33** Create environmental plan and present to elected officials **34** Learn about and help prevent urban runoff **35** Collect and analyze data on your city's water usage to share with a water resource board **36** Offer to design and conduct an experiment to

solve a community issue **37** Design a website for local nonprofits **38** Help residents learn about native plants **39** Conduct energy use audits for local businesses

**40** Create a botanical zoo for blind persons **41** Present a 'Talk Like a Scientist' workshop to introduce youth to scientific instruments **42** Assemble family science backpacks for kids at your school

**43** Build historical devices that illustrate principles of engineering for a local museum **44** Hold a computer and email workshop for seniors **45** Partner with local veterinarians to learn about and help stray cats and dogs **46** Host a star gazing evening with telescopes **47** Perform a skit about the scientific process during a school assembly **48** Create a public display about the geology beneath your town **49** Report on the historical economic trends of your city **50** Develop a reading program that uses literature to teach about science



The Revolution of Responsibility is a movement for positive change in every county across California. 4-H youth are a living, breathing, culture-changing revolution for doing the right thing, breaking through obstacles and pushing our country forward by making a measurable difference right where they live. California 4-H is celebrating its first 100 years by creating 1,000 service projects in 4-H communities across the state. Up to \$1,000 will be available to support each project. Want to be part of the Revolution? Visit [www.ca4h.org](http://www.ca4h.org) for more information.

University of California 4-H Youth Development Program  
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