



# 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).

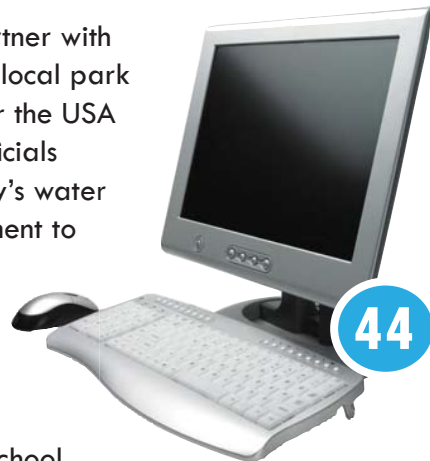
**29** Coordinate a GPS project to map local sources of fresh fruits and vegetables **30** Partner with the Parks and Recreation Department to determine the optimal playground layout for a local park **31** Film a documentary of favorite places in your community **32** Plan a satellite event for the 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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