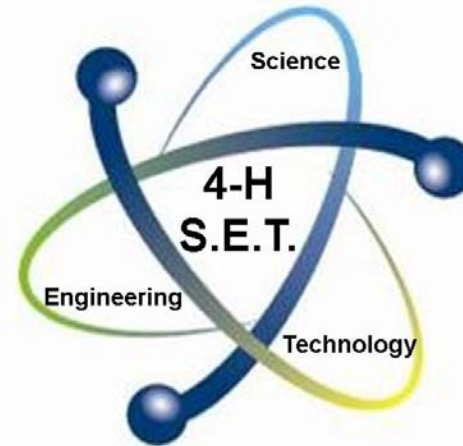

[County-Specific Intro Slide]

Create your own slide for your audience.

Making a lasting difference

4-H Science Engineering Technology



*...addressing the critical needs
in Science, Engineering &
Technology for U.S.*

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Why is 4-H SET Important?



Science, Engineering & Technology

At present the U.S. faces a significant challenge:

Young people are not prepared with the necessary science, engineering, and technology knowledge or workforce skills to compete in the 21st century.

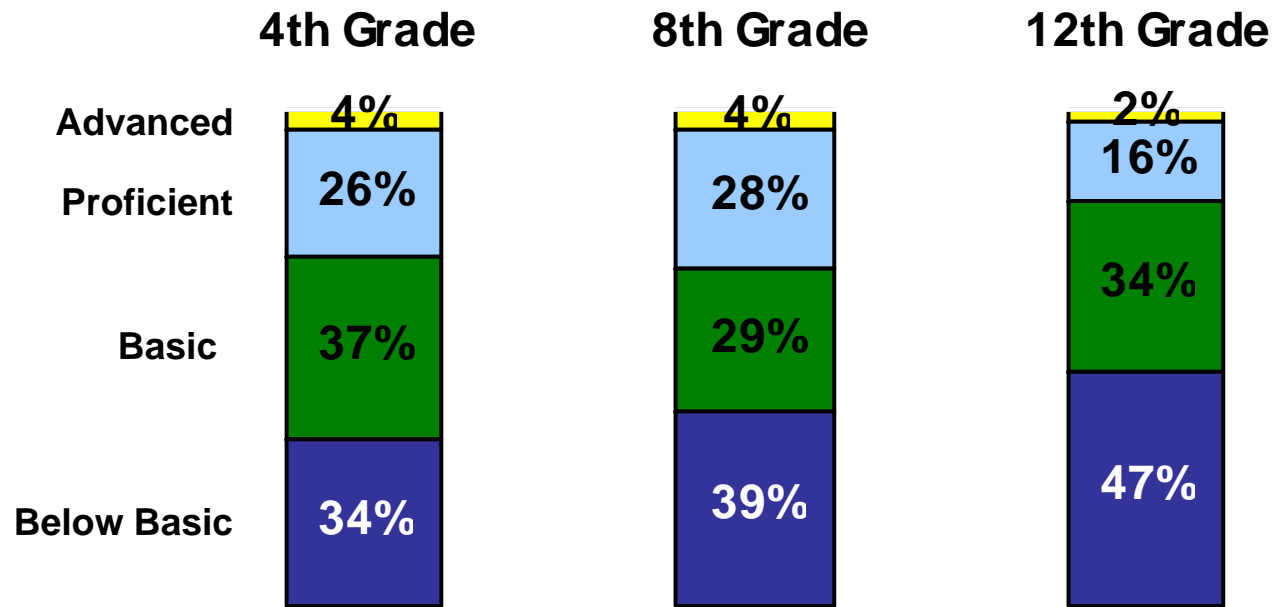
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Why is 4-H SET Important?



Science, Engineering & Technology

Student Achievement Level in Science



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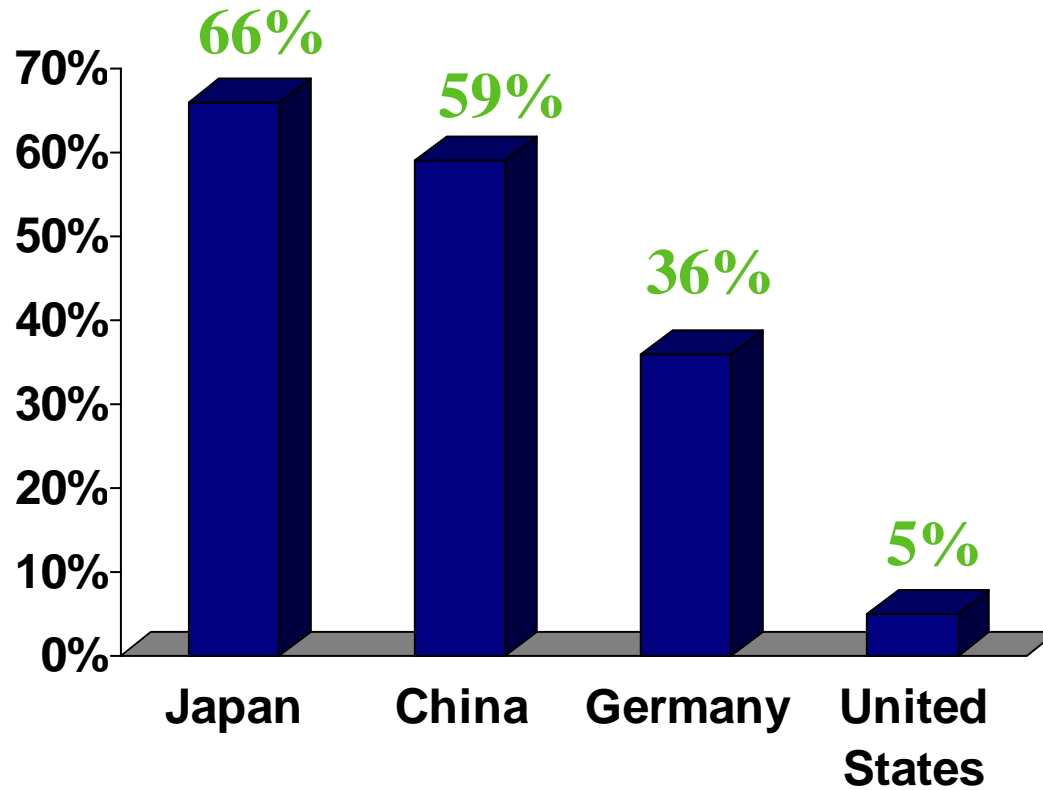
Source: 2000 National Assessment of Education Progress



Why is 4-H SET Important?



Undergraduate Degrees in Science & Engineering



SOURCE: Rising Above the Gathering Storm, 2006

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What is 4-H SET?



SET is the 4-H program's response to our nation's and state's needs

- To enhance and improve the abilities of youth, volunteers and staff in SET
- To address the significant workforce shortage in SET based careers
- To increase SET literacy and engage youth in SET programs, projects and activities

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How SET Enhances and Expands 4-H Programming



For more than 100 years, 4-H has provided opportunities for young people to explore science that is

- Cutting-Edge
- Authentic
- Linked to University Research
- Hands-On
- Connected to Life Skills Development

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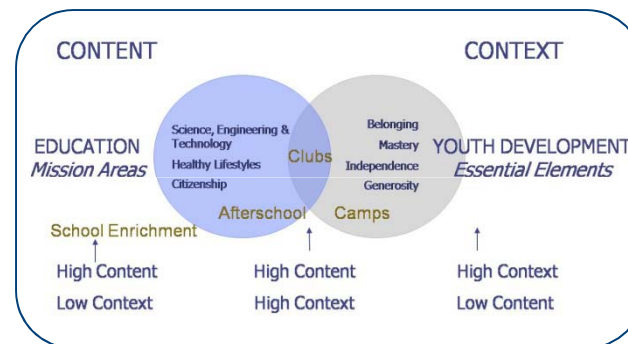


How SET Enhances and Expands 4-H Programming



A 4-H SET experience can be a new or an existing program that is framed around:

- The Essential Elements
- Experiential Learning
- Inquiry-based Learning
- Youth/Adult Partnerships
- SET Concepts, Standards, and Abilities



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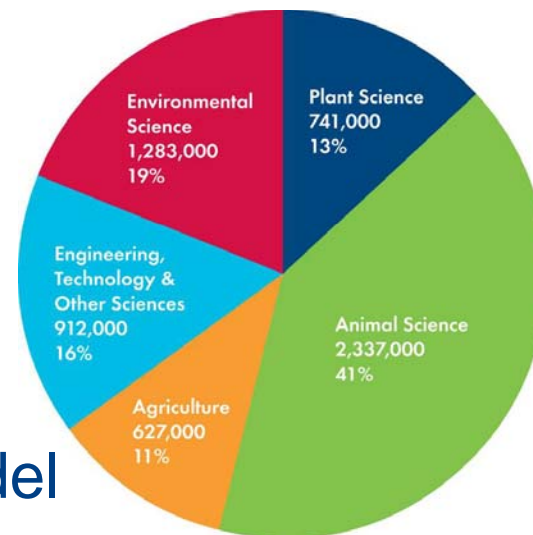
How SET Enhances and Expands 4-H Programming



4-H can address the nation's needs in science, engineering, and technology.

4-H has:

- An existing audience of 5.9 million youth in science programs / projects
- Multiple ways to deliver SET programming
- An effective educational model for delivering SET
- A connection to cutting-edge University research



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Achieving California 4-H SET Goals



SET Program Development:

- Developing Collaborations and Partnerships to deliver SET programs
- Enhancing 4-H Camp Programs to utilize Teens as Teachers
- Expanding 4-H Afterschool SET programming in Urban settings
- Increasing SET School Enrichment opportunities
- Developing a 4-H SET Master Volunteer / Key Leader Program

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How California 4-H SET Works



California 4-H SET Steering Committee and Leadership Team

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How California 4-H SET Works



California 4-H SET Steering Committee and Leadership Team

4-H County-Based Staff

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How California 4-H SET Works



Making a lasting difference



How California 4-H SET Works



California 4-H SET Steering Committee and Leadership Team

4-H County-Based Staff

County 4-H SET Teams

15,000 NEW 4-H SET Volunteers

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How California 4-H SET Works



California 4-H SET Steering Committee and Leadership Team

4-H County-Based Staff

County 4-H SET Teams

15,000 NEW 4-H SET Volunteers

Additional 4-H SET Partners, Staff and Volunteers

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How California 4-H SET Works



California 4-H SET Steering Committee and Leadership Team

4-H County-Based Staff

County 4-H SET Teams

15,000 NEW 4-H SET Volunteers

Additional 4-H SET Partners, Staff and Volunteers

150,000 NEW YOUTH IN 4-H SET!

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How to get Started



How to Get SET Ready...

- Develop our county 4-H SET steering committee by recruiting volunteers & teens; remember, though, we also need to include community partners outside of 4-H.
- Identify our county's SET content interests.
- Let's get started!

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How to get Started



- Have our county 4-H SET steering committee develop a county 4-H SET Plan that includes our community partners.
- Is the plan part of something we are already doing in our county that will attract new youth and adults to 4-H?
- Is the plan something new that we have not done previously.
- Let's brainstorm!

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How to get Started



How to Get SET Ready...

- Next we submit our County SET Plan to the CA 4-H SET Leadership Team to be considered for potential funding.
 - ❑ Planning Grants: \$10,000-\$15,000
 - ❑ Small Project Grants: \$20,000-\$30,000
 - ❑ Large Project Grants: \$35,000-\$50,000

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How to get Started



- Get involved in State SET Professional Development Opportunities!
- Semi-annual professional development workshops that will focus on SET content, context, and methods.
- Follow-up online modules to reinforce each workshop.

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How to get Started



- SET 5-Year Professional Development Plan:
 - Year 1: Developing Partnerships; Clubs and Residential Camps; Experiential Learning.
 - Year 2: Teens as Teachers; Step-Up Incremental Training Model; Day Camps.
 - Year 3: Working with Diverse Audiences; Afterschool Programs; Recruiting and Training Urban Volunteers.
 - Year 4: Working with School Districts and Teachers; School Enrichment; Distance Learning and Lesson Study.
 - Year 5: Developing Key/Master Volunteers; All Delivery Modes; Train the Trainer Model.

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For More Information 4-H SET

Science, Engineering & Technology

If we have questions, we can contact the California SET Leadership Team:

- Sharon Junge – Acting State 4-H Program Director
skjunge@ucdavis.edu
- Richard L. Mahacek – Merced County
rlmahacek@ucdavis.edu
- Lynn Schmitt-McQuitty – Santa Cruz /Monterey Counties
lschmittmcquitty@ucdavis.edu
- Martin Smith - UC Davis – Vet Med Extension
mhsmith@ucdavis.edu

California 4-H SET Website: www.coming.soon

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