Why Partner?
4-H Goals

• Promote life-long learning.
• Higher interest in STEM activities
• Higher interest in STEM careers
• STEM **literacy** (the ability to make well-informed decisions in our technologically based world)
Outside of the Classroom
We can help.

- Attract Upper Elementary Audience
- Broaden your audience to include reluctant readers
- Promote connections with 4-H families and volunteers
**Student Achievement Level in Science**

<table>
<thead>
<tr>
<th></th>
<th>4th Grade</th>
<th>8th Grade</th>
<th>12th Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced</td>
<td>4%</td>
<td>4%</td>
<td>2%</td>
</tr>
<tr>
<td>Proficient</td>
<td>26%</td>
<td>28%</td>
<td>16%</td>
</tr>
<tr>
<td>Basic</td>
<td>37%</td>
<td>29%</td>
<td>34%</td>
</tr>
<tr>
<td>Below Basic</td>
<td>34%</td>
<td>39%</td>
<td>47%</td>
</tr>
</tbody>
</table>

Source: 2000 National Assessment of Education Progress
4-H Lessons

- Focus on discovery
- Active games
- Reviewed and tested
Adults.

- Set up the activities
- Ask good questions

[Images of activities involving children and adults]
How many fun discovery-based STEM activities does it take to make a difference?
Promotion is Key

Free Kids Library Camp at Centerville Library

A two-day camp for kids entering 4th - 8th grade

Tuesday, June 23, 2009 1:30 pm - 5:30 pm
Thursday, June 25, 2009 10:00 am - 4:00 pm

- What is it like to work in the library?
- How do you find things in the library?
- Want to hear interesting stories that happened at the library?
- Do you know that there is a library that never closes?
- What programs are normally offered at the library?
- How much do you know about the Internet?
- Want to learn how to make a movie and upload it to YouTube?
- What are 'databases'?
- Can children volunteer for the library?
- Do you know how to find fun places in Fremont?
- How about making a cool craft?

Find out answers to all these questions and more at this special camp. It's educational and it's FUN!!!

Registration required.

Centerville Library is located at 3801 Nicolet Ave., Fremont, CA 94536
For more information, please call (510) 795-2629

Seats are limited. Hurry and sign up now!

WINTER ART LAB

Attention Pre-k Artists!
Come Celebrate the Winter with us!
We will create, play, enjoy stories and celebrate this beautiful season!
Thursdays 1:30 - 2:30
February 7th - April 4th
$120
@ Milton Public Library
To sign up contact Artspace Milton @ artspace02186@gmail.com
Olivia’s Birds, Saving the Gulf

• What Makes a Bird a Bird?
• Meet Three Feeder Birds
• Take It Outside
• Oil Spill Clean-Up
• Take Home Lesson- Birding in Your Neighborhood
The Camping Trip That Changed America

• Tree-mendous Fun

• Where did the rain go?

• Take Home Activity- Live Tree Homes
Twenty-One Elephants and Still Standing

- File Card Bridges
- Making Stronger Bridges
- Take home activity: Bridge Identification Game
Wee and the Wright Brothers

• Awesome Airfoils

• Frome Nose to Tail

• Take-home Activity: Family Flyers
Every STEM Hero Has a Story

Virtual Workshop
Will you join us?
Help Wanted

- Need Librarians to review book lists and suggest more books that compliment the lessons.
For more information

• Contact: Bonnie S. Peck
  Extension Resource Educator
  CCE Schenectady County
  bsp8@cornell.edu

All resources available at:
http://nys4h.cce.cornell.edu/partnerships/Pages/Partnersfor4-HProgramming.aspx