



# 4-H MECHANICAL SCIENCES PROGRAM

4-H Youth Development Programs

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4-H is all about “learning by doing,” and the 4-H mechanical sciences program lets young people learn how things work by building and fixing them. In 4-H mechanical sciences programs in 2002, 16,000 Wisconsin youth learned to use wood working tools, drive and maintain a tractor, repair a small engine, fix electric appliances, repair and maintain a bicycle, or build and launch a rocket. The mechanical sciences offer age-appropriate activities for youth from grade 4 through grade 12.

Each year, youth enrolled in mechanical science can qualify to attend a state competition where they can challenge themselves with written and skills tests. The contest categories include tractors, small engines, bicycles and model rockets. Winners go on to enter a national competition.

## ***Mechanical Sciences Projects Have Value for Kids***

Completing projects in the mechanical sciences has many benefits. Many young people who enjoyed 4-H mechanical sciences go on to careers as engineers, mechanics, technicians or other “hands-on” workers. The project also helps them learn to solve complex problems and to better organize time and materials for any kind of complicated task.

**Wisconsin youth participated in 16,000 4-H mechanical sciences projects and programs.**

**The most popular projects were**

<b>Woodworking</b>	<b>6,500</b>
<b>Scale Models</b>	<b>2,100</b>
<b>Aerospace</b>	<b>1,800</b>
<b>Electricity</b>	<b>1,100</b>



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