



4-H Science Tech Trunks @ a Glance

Here's what's available to you as you check out these 5 Science Tech Trunks for use in Day Camps, 4-H Leader Training, 4-H club project meetings and workshops. . .

- a Fully stocked kit of supplies for 25 participants (*you'll need to pick up perishables*)
- a Additional resources if you wish to explore a project further

Aerospace/Rocketry/GPS

Activity 1: Rockets Away! for Grades 3-5

From Stage 2 *Aerospace Adventures: Lift-Off, CCS 2003*

Activity 2: Powerful Payload for Grades 6-8

From Stage 3 *Aerospace Adventures: Reaching New Heights , CCS 2003*

Activity 3: Fly Me to the Moon for Grades 3 -5

Oregon State Extension From

<http://extension.oregonstate.edu/coos/sites/default/files/4-h/documents/teachernews2004-01.pdf>

Activity 4: Pop! Rockets

From *NASA Rocket Educator's Guide*

Activity 5: GPS Unit 101 for Grades 3-8

From Garmin eTrex 20 User Manual

Activity 6: GPS Treasure Hunt for Grades 3-8

From Level 1 Beginner *Exploring Spaces, Going Places CD, CCS,*

ANIMAL SCIENCE

Activity 1: So You Think You're Hot? for Grades 3-6

From Cornell Cooperative Extension, 4-H Science Toolkit- Animal Science, 2011

<http://nys4h.cce.cornell.edu/about%20us/Pages/SETToolkit.aspx>

Activity 2: Got Immunity? for Grades 3-6

From Cornell Cooperative Extension, 4-H Science Toolkit- Animal Science, 2011

<http://nys4h.cce.cornell.edu/about%20us/Pages/SETToolkit.aspx>

Activity 3: Basic Behavior Instinct

From Cornell Cooperative Extension, 4-H Science Toolkit- Animal Science, 2011

Activity 4: Pasture Game for Grades 3-5

Kansas Ag in the Classroom, 2004

<http://www.ksagclassroom.org/classroom/guide/index.html>

Activity 5: What Genes Do for Grades 1-7

From Michigan State University Extension, 4-H Science Blast! In The Class, 2011

http://4h.msue.msu.edu/4h/science_blast

ENTOMOLOGY

Activity 1: FACEnating for Grades 3-5

From Level 1: *Teaming With Insects*, Activity 5, CCS 2010

Activity 2: Big Mouth Bugs for Grades 3-5

From Level 1: *Teaming With Insects*, Activity 4, CCS 2010

Activity 3: Write, Right for Grades 6-8

From Level 2: *Teaming With Insects*, Activity 15, CCS 2010

Activity 4: What's that doing in my Food? for Grades 9-12

From Level 3: *Teaming With Insects*, Activity 15, CCS 2010

FOOD SCIENCE

Activity 1: Drink it Up for Grades 4-6

From Unit 5: Greece and Milk, 4-H Afterschool *Food, Culture, & Reading*, 2010

<http://www.4-h.org/resource-library/curriculum/4-h-food-culture-and-reading/>

Activity 2: What Makes NesQuik quick? for Grades 6-8

Food Science & Technology: <http://www.4-h.org/agriscience/>, 2012

Activity 3: Mystery Mush for Grades 3-5

From Unit 3: Mystery Agriculture, 4-H Afterschool *Acres of Adventures*, 2006

<http://www.4-h.org/resource-library/curriculum/4-h-afterschool-agriculture/>

Activity 4: Ice Cream in a Bag

From Unit 1: All About Agriculture, 4-H Afterschool *Acres of Adventures*, 2006

Activity 5: Shaking up the Suspects for Grades 3-5

Lesson 3, *Science Fun with Dairy Foods: The Case of the Missing Milk*, The Ohio State University, 2012

<http://estore.osu-extension.org/productdetails.cfm?PC=2740>

ROBOTICS

Activity 1: Chopsticks for Grades 5-8

From Level 1: *Junk Drawer Robotics*, Give Robots a Hand, CCS, 2011

Activity 2: Pennies in a Boat for Grades 5-8

From Level 2: *Junk Drawer Robotics*, Robots on the Move, CCS, 2011

Activity 3: EcoBot Challenge for Grades 5-8

From 2012 National Youth Science Day Experiment, The Ohio State University

For more information on the contents of these kits, visit the www.kansas4-H.org website under the "Resources" tab, 4-H Science (STEM).

To reserve a kit for your local use, contact the NE Area Extension office: 785-532-5833.

We're counting on you to put these kits to good use in your programs and to replenish the consumable supplies before returning the kits to the area 4-H office. Thanks!

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