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*](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>

**Activity 1: FACEnating** for Grades 3‐5

ENTOMOLOGY

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 Grades6‐8

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](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! 2/15***