



CORNELL COOPERATIVE EXTENSION 4-H YOUTH DEVELOPMENT PROJECT DIRECTORY/ORDER FORM



SCIENCE, TECHNOLOGY, ENGINEERING & MATH

Aerospace Adventures **Grades 1-12**

Level 1: Pre-Flight
Level 2: Lift-Off
Level 3: New Heights
Level 4: Pilot in Command
Aerospace Adventures Helper's guide

The Power of Wind **Grades 6-8**

The Power of Wind Youth Guide
The Power of Wind Facilitator's Guide

Electric Excitement **Grades 4-12**

Level 1: Magic of Electricity
Level 2: Investigating Electricity
Level 3: Wired for Power
Level 4: Entering Electronics
Electric Excitement Helper's Guide

Small Engines **Grades 3-12**

Level 1: Crank It Up
Level 2: Warm It Up
Level 3: Tune It Up
Small Engines Helper's Guide

Junk Drawer Robotics **Grades 4-12**

Youth Robotics Notebook
Level 2: Robots on the Move Facilitator Guide
Level 3: Mechatronics Facilitator guide

Gearing Up Robotics Series **Grades 3-9**

Level 1: Robotics Express
Level 2: Robotics Probe
Robotics Helper's Guide

Discover 4-H Robotics **Grades 3-12**

Discover 4-H Robotics Clubs

Discovering Computer Science & Programming Through Scratch **Grades 6-8**

Level 1: Fundamentals
Level 2: Explorations
Level 3: Recursion
Level 1 Facilitator's Guide

Woodworking Wonders **Grades 2-12**

Level 1: Measuring Up
Level 2: Making the Cut
Level 3: Nailing It Together
Level 4: finishing Up
Woodworking Helper's Guide

In Touch Science **Grades 3-12**

Chemistry & Environment
Fibers & Animals
Foods & Fabrics
Plants & Engineering

Environmental Engineering **Grades 6-12**

Water Worlds
Recycling: Mining Resources from Trash
Composting: Wastes to Resources
Water Wise: Lessons in Water Resources

ANIMAL & AGRICULTURAL SCIENCE

Cat Grades 3-5

Level 1: Purr-fect Pals
Level 2: Climbing Up!
Level 3: Leaping Forward
Cat Helper's Guide

Cavy Grades 3-12

Cavy Resource Handbook

Beef Grades 3-9

Level 1: Bite Into Beef
Level 2: Here's the Beef
Level 3: Leading the Charge
Beef Helper's Guide

Dairy Cattle Grades 6-8

Level 1: Cowabunga!
Level 2: Mooving Ahead
Level 3: Rising to the Top
Helper's Guide

Dog Grades 3-12

Level 1: Wiggles and Wags
Level 2: Canine Connections
Level 3: Leading the Pack
Dog Helper's Guide

Horse Grades 3-12

Level 1: Giddy Up & Go
Level 2: Head, Heart & Hooves
Level 3: Stable Relations
Level 4: Riding the Range
Level 5: Jumping to New Heights
Horse Helper's Guide

Dairy Goat Grades 3-12

Level 1: Getting Your Goat
Level 2: Stepping Out
Level 3: Showing the Way
Dairy Goat Helper's Guide

Meat Goat Grades 3-12

Level 1: Just Browsing
Level 2: Get Growing with Meat Goats
Level 3: Meating the Future
Meat Goat Helper's Guide

Pets Grades 3-9

Level 1: Pet Pals
Level 2: Scurrying Ahead
Level 3: Scaling the Heights
Pet Helper's Guide

Poultry Grades 3-9

Level 1: Scratching the Surface
Level 2: Testing Your Wings
Level 3: Flocking Together
Poultry Helper's Guide

Rabbits Grades 3-12

Level 1: What's Hopping?
Level 2: Making Tracks
Level 3: All Ears
Rabbit Helper's Guide

Sheep Grades 3-9

Level 1: Rams, Lambs, & You
Level 2: Shear Delight
Level 3: Leading the Flock
Sheep Helper's Guide

Swine Grades 3-12

Level 1: The Incredible Pig
Level 2: Putting the Oink in Pig
Level 3: Going Whole Hog
Swine helper's Guide

Embryology Grades 2-8

From Egg to Chick

Veterinary Science Grades 3-12

Level 1: From Airedales to Zebras
Level 2: All Systems Go
Level 3: On the Cutting Edge
Veterinary Science Helper's Guide

BUSINESS, CITIZENSHIP & CULTURAL EDUCATION

Foods

Entrepreneurship Grades 3-12

Love It, Plan It, Do It Activity Guide
Level 2: Plan It
Level 3: Do It
Entrepreneurship Helper's Guide

Leadership Grades 6-12

Leadership Road Trip: Where Are You Going?

Citizenship Grades 3-12

Public Adventures Guide's Handbook

Cultural Education Grades 3-12

The Three Sisters
Cooking Up With Three Sisters
The Great American Peanut
The Humble Potato
Rice: Grain of the Ancients
The Appealing Apple
New York State Barns
Family Folklore
Folkpatterns
Foodways
Genealogy: Tracing my Family Tree

Intergenerational Grades 3-12

Project EASE Leader's Guide
Project EASE Member's Packet

Service Learning Grades 3-12

Simple Gifts

Cooking Grades 3-12

Cooking 101
Cooking 201
Cooking 301
Cooking401
Cooking Helper's Guide

Fantastic Foods Grades 3-12

Level A Six Easy bites
Level B: Tasty Tidbits
Level C: You're The Chef
Level D: Foodworks
Food Helper's Guide

Cooking Up Fun! Grades 3-12

Level 1: A Pyramid of Snacks
Level 2: Muffins and More
Level 3: Meals
Level 4: Yeast Breads

Microwave Magic Grades 3-12

Level 1: Bag of Tricks
Level 2: Micro Magicians
Level 3: Amazing Rays
Level 4: Presto Meals

Home Food Preservation Grades 3-12

Food Preservation: Freezing
Food Preservation: Drying
Food Preservation: Boiling Water Canning
Food Preservation: Pressure Canning

Junior Master Gardener Grades 3-12

Learn, Grow, Eat & Go!

Various Cooking Grades 3-12

4-H Cake Decorating
4-H Outdoor Cooking and Living
4-H Baking Project: Pastry and Pies
The Microwave Connection
Quick and Tasty Recipes for Healthy Youth
Muffins and More
Yeast Breads
A Pyramid of Snacks
Kitchen Science for Kids
DISCOVER 4-H Healthy Snacks Club

HEALTHY LIVING & FOOD

Healthy Lifestyles

Keeping Fit and Healthy Grades 3-12

Level 1: First Aid in Action
Level 2: Staying Healthy
Level 3: Keeping Fit

4-H Discover Fitness Club

4-H Sports Nutrition: Winning With Nutrition

CONSUMER & FAMILY SCIENCE

Textiles

Sewing Expressions **Grades 3-12**

Level 1: Under Construction
Level 2: Fashion Forward
Level 3: Refine Design
Sewing Expressions Helper's Guide

Various Sewing **Grades 3-12**

Let's Sew
DISCOVER 4-H Sewing Club

Yarn Work **Grades 3-12**

Knitting: 4-H Needlework Project
Patterns to Crochet
Creative Crochet

Communications

Communications Curriculum **Grades 3-12**

Module 1: Grades 3-5
Module 2: Grades 6-8
Module 3: Grades 9-12

Express Yourself **Grades 3-12**

Level 1: Picking Up the Pieces
Level 2: Putting It Together
Level 3: The Perfect Fit
Communications Leader's Guide

Child Development

Child Development **Grades 3-10**

Level 1: Growing On My Own (Grades 3-4)
Level 2: Growing With Others (Grades 5-6)
Level 3: Growing in Communities (Grades 7-10)
Child Development Helper's Guide

Finances

Personal Finances

It All Adds Up

CREATIVE ARTS

My Favorite Things **Grades 3-12**

My Favorite Things (Creating Personal Collections)

Photography **Grades K-8**

Level 1: Focus on Photography
Level 2: Controlling the Image
Level 3: Mastering Photography

Get Started in Art **Grades 3-12**

Get Started in Art

Visual Arts **Grades 6-8**

Level 1: Advanced Visual Arts: Sketchbook Crossroads
Level 2: Advanced Visual Arts: Portfolio Pathways

Theatre Arts **Grades 5-8**

Level 1: Beginner Facilitator
Level 2: Intermediate Facilitator
Level 3: Advanced Facilitator
Theatre Arts Journal

The Writer In You **Grades 3-12**

The Writer In You

**ENVIRONMENT & OUTDOOR
SCIENCE
Gardening**

Vegetable Gardening Grades 3-12

Level A: See Them Sprout
Level B: Let's Get Growing
Level C: Take Your Pick
Level D: Growing Profits
Gardening Helper's Guide

Junior Master Gardener Grades 3-5

Learn, Grow, Eat & Go!

Various Vegetable Gardening Grades 3-12

Grow with the Flow: Hydroponic Gardening
Fun With Fungi
Vegetable Fare: Displaying Vegetables
The Heirloom Vegetable Garden
Garden in the City
Herb Gardening
Growing Button Mushrooms
Sewing the Seeds of Success
Discover 4-H Seeds

Various Ornamental Grades 3-12

Fabulous Flowers
How Does Your Garden Grow?
Indoor gardening
Pressed-Flower Pictures

Outdoor Science

Bicycle Adventures Grades 3-8

Level 1: Bicycling For Fun
Level 2: Wheels in Motion
Bicycle Helper's Guide

Fishing For Adventure Grades 3-12

Level 1: Take the Bait
Level 2: Reel in the Fun
Level 3; Cast into the Future
Fishing For Adventure Helper's Guide

Forests of Fun Grades 3-12

Level 1; Follow the Path
Level 2: Reach for the Canopy
Level 3: Explore the Deep Woods
Forestry Helper's Guide

Outdoor Adventures Grades 3-12

Level 1: Hiking Trails
Level 2: Camping Adventures
Level 3: Backpacking Expeditions
Outdoor Adventures Helper's Guide

Shooting Sports Grades 4-12

4-H Member's Archery Manual

World Astronomy Grades 3-12

It's Out of This World

Entomology

Insectaganza of Excitement Grades 3-8

Level1: Creepy Crawlies
Level 2: What's Bugging You?
Group Helper's Guide

Teaming With Insects Grades3-12

Level 1: Entomology Grades 3-5
Level 2: Entomology Grades 6-8
Level 3: Entomology Grades 9-12
Entomology 1-3: Facilitator's Guide

Beekeeping Grades 6-12

4-H Beekeeping Manual

Butterflies & Moths Grades 4-8

Project Butterfly Wings Youth Guide
Project Butterfly Wings Leader's Guide
Growing Moths
Some Butterflies and Moths
Learning About Butterflies

ENVIRONMENT & OUTDOOR SCIENCE (cont.)

CLOVERBUD

Wildlife

4-H Wildlife Project Manual **Grades 3-12**

Level A: Grades 3 & 4
Level B: Grades 5 & 6
Level C: Grades 7-9

Birds **Grades 3-12**

Birds of Prey
Birds of Prey Leader's Guide
Birds In Your Backyard
Bluebirds in New York
Pigeon and Dove Project
New York State Bird Checklist

Various Wildlife Projects **Grades 3-12**

Pond and Stream Safari
Know Your Trees
Field Guides Made Easy
Wildlife Discovery
Wildlife in Today's Landscapes
Insects All Around Us

Wildlife Habitat Education Program **Gr. 9-12**

Ecoregions
Wildlife Species
Wildlife Habitat Management Practices
Popular Management Practices
Fish, Pond & Stream Management Practices
Urban Wildlife Management
WHEP Activities, Scoring, Appendices & Glossary
Orienteering Project Books
4-H Adirondack Study Guide
Tree Identification Quiz Game

The Big Book of Cloverbud Activities

Ohio State University

Cloverbud Program: Instruction Manuals

Ohio State University

Clover Kids: All About 4-H

Scott county, Iowa

The Pennsylvania Cloverbud Program

Penn State University

Exploring Farm Animals

K-3 Curriculum

