USAFA STEM Outreach Lending Library
Life Science Materials

*Numbers in parentheses indicate quantities.

(1) Human Sexless Torso Model
(6) Heart Models
(6) Ear Models
(6) Eye Models
(9) Frog Development Plastomounts
(9) Bean Germination Plastomounts
(6) Typical Flowering Plant Model
USAFA STEM Outreach Lending Library
Life Science Materials

(1) Nasco Study Aids: Tracks & Scat

(2) Digital Dry Bath

(2) Mini 16 Thermal Cycler

(2) SmartGel Combo with LED Transilluminator

(2) Multigel Precasting System
(2) Plant Kingdom Survey Sets
Forty-six specimens mounted in 12 displays include lichens, algae, fungi, liverworts, mosses, pteridophytes, gymnosperms, monocot angiosperms, dicot angiosperms, seed types, leaf venations, and parasitic plants. Each 6 x 5” display is labeled.

(2) Animal King Survey Set
Forty-nine representative specimens covering the sponges, cnidarians, mollusks, annelids, echinoderms, myriapods, arachnids, insects, crustaceans, and vertebrates are mounted in twelve 6 x 5” displays.

(9) Owl Pellet & Common Prey Samples

(10) Dissection Kits
USAFA STEM Outreach Lending Library
Earth and Space Science Materials

(2) Comprehensive Mineral Collections

(1) Stream Table Kit

(2) Davis Vantage View Weather Stations
The wireless weather station provides accurate, reliable weather monitoring in a self-contained, easy-to-install system. Your outdoor sensor suite sets up in minutes and starts sending data wirelessly to your console anywhere in your home, school, or business, up to 1,000 ft. away. You'll see current weather conditions, including indoor and outdoor temperature and humidity; barometric pressure; wind speed and direction; dew point; and rainfall.

(2) Indoor Balloon Testers

(2) Pitsco Straw Rocket Launchers
USAFA STEM Outreach Lending Library
Physical Science Materials

- (2) 2m Air Tracks
- (15) Snap Circuits
- (13) Makey Makey Kits
- (1) Dynamics Cart & Track
- (140) Adjustable Safety Glasses
- (2) Portable Wind Tunnels
- (7) Vernier LabQuest 2
  (7 each) Energy, Force, Motion probes
- (5) Simple Machines Kits
- (7) Little Bits
USAFA STEM Outreach Lending Library
Physical Science Materials

- (6) Digital Scales
- (20) Heavy Duty 400mL Beakers
- (5) Compound Microscopes
- (20) Molymod Molecular Model Sets
- (7) Gravity Mazes
- (10) Adjustable Pipettes 1-10 mL
USAFA STEM Outreach Lending Library
Physical Science Materials

(1) Dewar Flask for Liquid Nitrogen

(1) Element Flashcards

5 volume Chemical Demonstrations by Shakkashiri

Chemistry Kits:
Chemical Reactions Kit: What is this Powder?
Chemical Reaction Mania Kit
Controlling a Chemical Reaction
The Chemistry of Food
How to Land Softly on a Hard Planet
Vitamin C Testing

(1) Transform Infrared Spectrometer

(1) Element Sample Set
USAFA STEM Outreach Lending Library
Building Sets

(5) Straws and Connectors
(8) Funflakes Sets
(8) Bridges Kits
(13) Keva Contraptions
(5) Ramp Kits
(2) Makedo Cardboard Construction Kits
(5) Breakout Boxes
(8) IQ Building Sets
USAFA STEM Outreach Lending Library
Literacy Collections to Support STEM

(2) Picture Perfect STEM K-2 Library Collections
Titles in the set are
• Ada Twist, Scientist
• All the Water in the World
• Beep! Beep! Go to Sleep!
• Communication: Long Ago and Today
• The Day the Crayons Came Home
• Dreaming up: A Celebration of Building
• Drum City
• Drum Dream Girl: How One Girl’s Courage Changed Music
• Earth’s Landforms and Bodies of Water
• Engineering in Our Everyday Lives
• Flowers Are Calling
• From Wax to Crayon
• The Handiest Things in the World
• I Wanna Iguana
• Iggy Peck, Architect
• Jackrabbit McCabe & the Electric Telegraph
• Jump Into Science: Sun
• Matter
• Move It! Motion, Forces and You
• National Geographic Kids: Robots
• Newton and Me
• Next Time You See a Pill Bug
• Summer Sun Risin’
• Ten Rules of the Birthday Wish
• The Sun: Our Nearest Star
• Wangari’s Trees of Peace: A True Story From Africa
• We Planted a Tree
• What Is Pollination?
• Where Do Animals Live?

(2) Picture Perfect STEM 3-5 Library Collections
Titles in the set are
• An Ambush of Tigers: A Wild Gathering of Collective Nouns
• Animals That Live in Groups
• Biomedical Engineering (and Human Body Systems)
• Boy, Were We Wrong About the Solar System!
• Building Dikes and Levees
• Burn: Michael Faraday’s Candle
• Clink
• How Mountains Are Made
• How Things Work: Lightbulbs
• If You Hold a Seed
• The Inventor’s Secret: What Thomas Edison Told Henry Ford
• Let’s Think About the Power of Advertising
• Making Machines With Springs
• Mesmerized: How Benjamin Franklin Solved a Mystery That Baffled All of France
• National Geographic Kids: Wildfires
• Nefertiti, the Spidernaught: The Jumping Spider Who Learned to Jump in Space
• Next Time You See a Maple Seed
• Next Time You See a Spider Web
• One Plastic Bag: Isatou Ceesay and the Recycling Women of the Gambi
• Orion and the Dark
• Recycle Crafts (Crafts Attack!)
• Rosie Revere, Engineer
• Solving the Puzzle Under the Sea: Marie Tharp Maps the Ocean Floor
• Space Exploration (Time For Kids)
• Star Stuff: Carl Sagan and the Mysteries of the Cosmos
• Stars (Jump Into Science)
• STEM Trailblazer Bios: iPod and Electronics Visionary Tony Fadell
• Timeless Thomas: How Thomas Edison Changed Our Lives
• Two Bobbies: A True Story of Hurricane Katrina, Friendship, and Survival
• Winter’s Tail: How One Little Dolphin Learned to Swim Again