

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

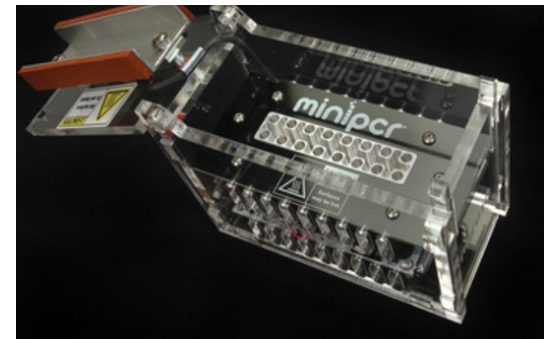
(1) Nasco Study Aids: Tracks & Scat



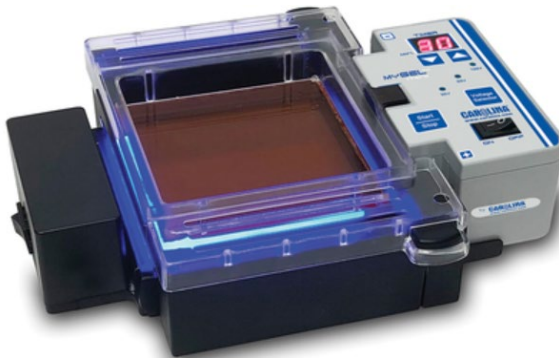
(2) Digital Dry Bath



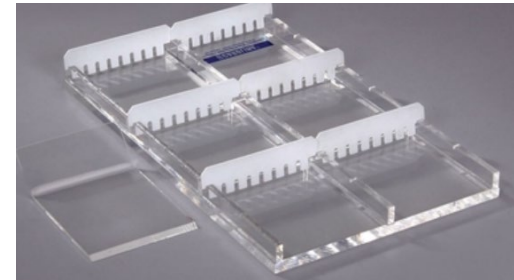
(2) Mini 16 Thermal Cycler



(2) SmartGel Combo with LED Transilluminator



(2) Multigel Precasting System



USAFA STEM Outreach Lending Library

Life Science Materials

(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.



(10) Dissection Kits



(9) Owl Pellet & Common Prey Samples



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

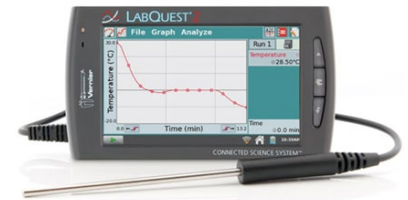
(2) 2m Air Tracks



(1) Dynamics Cart & Track



(7) Vernier LabQuest 2
(7 each) Energy, Force, Motion probes



(15) Snap Circuits



(140) Adjustable
Safety Glasses



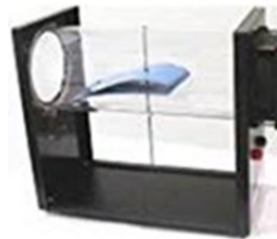
(5) Simple Machines Kits



(13) Makey Makey Kits



(2) Portable
Wind Tunnels



(7) Little Bits



USAFA STEM Outreach Lending Library

Physical Science Materials

(6) Digital Scales



(20) Heavy Duty 400mL Beakers



(7) Gravity Mazes



(5) Compound Microscopes



(20) Molymod Molecular Model Sets



(10) Adjustable
Pipettes
1-10 mL



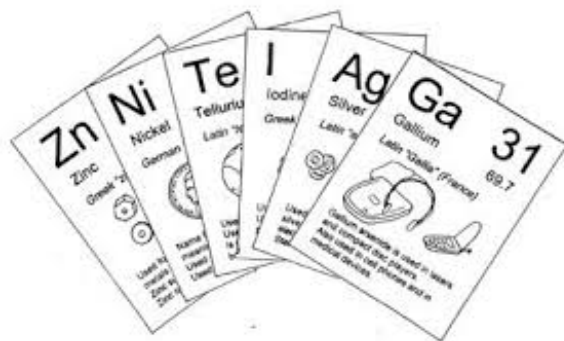
USAFA STEM Outreach Lending Library

Physical Science Materials

(1) Dewar Flask for Liquid Nitrogen



(1) Element Flashcards



5 volume *Chemical Demonstrations* by Shakhshiri



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 Robotics

(3) Ozobot Classroom Sets



(10) WeDo 2.0



(10) Cubelets



(6) Mindstorms EV3



(10) Wooden Ozobot
Code Puzzles



(12) Ollies



(6) Kinazium Sets



(10) Code-a-pillar Twists



(6) SPRK+
(15) Bolts



(12) mBots



(4) Beebot Class Bundles



(10) Code & Go Mouse



(5) Cue (5) Dash & Dot



(8) iPad Air 2
for programming
Spheros and Ozobots



USAFA STEM Outreach Lending Library Building Sets

(5) Straws and Connectors



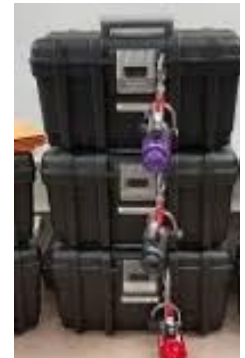
(8) Bridges Kits



(5) Ramp Kits



(5) Breakout Boxes



(8) Funflakes Sets



(13) Keva Contraptions



(2) Makedo
Cardboard
Construction Kits



(8) IQ Building Sets



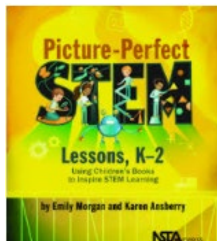
USAFA STEM Outreach Lending Library

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 Spidernaut: 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 Gambia
- Orion and the Dark
- Recycling 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

