Inside Lego At Christmas
The notoriously secretive, family-owned super brand opens its doors. We go behind the scenes at the LEGO factory to see how staff gear up for the holiday season, create new lines for Christmas and manage the multi-language customer call center at the busiest time of year. We follow the construction of a spectacular Lego train in central London.

The Best Christmas Pageant Ever DV 1806
DVD, PI, Schaefer/Karpf Production
Oh, no! Those nasty and dirty Herdman kids think they belong in this years Christmas pageant. The town thinks they belong under the control of the police. However, when the curtain finally goes up, a miracle begins to happen.

How the Grinch Stole Christmas! DV 1267
DVD, PI, 26 min., Library Video Company

Christmas Around the World DV 2053, DVD, Primary, 23 min. Schlessinger Media

Christmas Tapestry DV 1009 DVD, PI, 28 min., Spoken Arts, 2004

The Legend of Frosty the Snowman DV 1265
DVD, PI, 75 min., Library Video Co.

Polar Express DV 757 DVD, PIJH, 100 min., Warner, 2005

Rudolph the Red-Nosed Reindeer DV 2201, Blue-ray Deluxe Edition, Universal, 2018

Seven Candles for Kwanzaa DV 1014, DVD, PI, 10 min., Weston Woods

The Story of Snow, ebook, Tumble book Library, Grades 2-4
How do snow crystals form? What shapes can they take? Are no two snow crystals alike? These questions and more are answered in this visually stunning exploration of the science of snow. Author: Mark Cassino.

Freezing and Evaporating-Full Proof: Scientific Experiments Outdoors
video, Intermediate - Junior High, 00:12:50, NPO, 2015
Sebastian takes long walks in the Chilean mountains where he lives. He passes small streams with water, geysers with steam and snow fields. How is it possible that water turns into steam or snow? Sebastian starts an investigation and does a lot of fun experiments. He makes a cloud in a bottle, a cola geyser and a steam boat. And finally, he makes a geyser which blows as high as the real ones.
Series: Full Proof Scientific Experiments Outdoors

Frozen Ecosystem Adaptations
video, Intermediate - Senior High, NDM, 2011
Bison and reindeer have adapted with insulating fur coats, as well as with hooves that allow icy migrations to find food, and sea lions adapt with thick layers of blubber that protect body functions. Ice and snow can also quench untold thirsts by storing water in glaciers, and by creating protective winter habitats for some mammals and insects.

Between the Lions - Ethan and the Snow
video, Preschool/Kindergarten - Primary, 2014
Explore winter clothing as a boy named Ethan gets ready to go outside by putting on different articles of clothing, from Between the Lions: “Like a Windy Day.” Each time he looks out the window and sees snow, he puts on another article of clothing to keep warm.

How Animals Live Through Winter
video, Preschool/Kindergarten - Primary, Phoenix Learning Group,
As icy winds blow across Northern wastelands, viewers observe bison, polar bears, and ptarmigans protected by their fur, fat and feathers. They also watch as elk, big horn sheep, reindeer and coyotes find food hidden under the snow. Snow monkeys are observed seeking shelter in hot springs, while birds survive on frozen berries and seeds. Hedgehogs and chipmunks are filmed sleeping through winter while caterpillars turn into butterflies sheltered by their chrysalis covers.

Snow Shelter
video, Intermediate, TPT, 2003
This DragonflyTV segment demonstrates how and why an igloo-like shelter called a quinzhee can keep you warm at night, and illustrates how snow and clouds affect air temperatures and serve as insulators against extreme cold and heat.
Carol Vorderman; Book Collection, HA, DK Publishing, 2014
Includes index. A guide for parents to help their children create games and animations using the programming languages Scratch and Python.

Software Engineering: Crash Course Computer Science #16
video, Senior High, 2018, PBS LearningMedia
Today, we’re going to talk about how huge programs with millions of lines of code like Microsoft Office are built. Programs like these are way too complicated for a single person, but instead require teams of programmers using the tools and best practices that form the discipline of Software Engineering. We’ll talk about how large programs are typically broken up into function units that are nested into objects known as Object Oriented Programming, as well as how programmers write and debug their code efficiently, document and share their code with others, and also how code repositories are used to allow programmers to make changes while mitigating risk.

Makey Makey ST 1, PI, 2017
Makey Makey is an invention kit that encourages students to find creative ways to interact with their computers, by using everyday objects as a replacement for a computer’s keyboard and mouse. Expand students’ imaginations and creativity as they test for natural conductivity by connecting objects to the touch pad with the alligator clips. Makey Makey illustrates core concepts of electricity and conductivity while stimulating creative solutions. Needs a computer to run.

Books
Life In The Polar Regions (12)
Angela From the Arctic (8)
Counting Penguins (2)
Arctic Winter-Arctic Summer (2)
Northern Lights (2)
Polar Bears (2)
Who Lives In the Arctic (2)

DVD
Regions of the World: Hunters/Herders
Eyewitness Arctic and Antarctic: Journey to the Poles
Teacher Guide

Includes: DVD: Ancient Egypt (23 min); Hands-On Heritage activity book; single copies of the following books - Eyewitness book: Ancient Egyptians; The Egyptians; Pyramids; Ancient Egypt: Come and Discover My World; Crafts From the Past: The Egyptians, Mummies Made In Egypt, Bill and Pete Go Down the Nile, and Make It Work: Ancient Egypt. In addition, there are multiple copies of Pharaohs and Pyramids (12); and (12) copies of You Are In Ancient Egypt - nonfiction student books with informative text, color photos for independent or group reading. Also includes CD-ROM - Egyptians with activity book.
FLINN SCIENTIFIC CHEMISTRY MANUALS

Part of a series of 18 lab manuals, each manual contains four to six student-tested experiments and three to five attention-getting demonstrations. These manuals were created under the direction Flinn Scientific and an Advisory Board of seven master teachers. All labs meet National Science Standards.

Acids and Bases CM02064
JH, Flinn Scientific, INC., 2002

Atomic & Electron Structure Manual CM02061
Elements, Compounds, & Mixtures Manual CM02053
Nuclear Chemistry CM02069
Solids and Liquids CM02062
Introduction To Chemistry Manual CM02052
The Periodic Table CM02054
Solubility and Solutions CM02063
Chemistry of Gases CM02058
Equilibrium CM02066
The Gas Laws Manual CM02059
Oxidation and Reduction CM02067
Molar Relationships/Stoichiometry Manual CM 2057

Applications of Chemistry (7) DVD
Set DV 2051, JH, 540 min.

The applications of The Chemistry DVD Set includes Chemistry is Fun, Organic Chemistry, Nuclear Chemistry, Real World Applications, and Polymer Chemistry. Contains chemistry demonstrations, experiments, and lab activities all with extensive lab hints, teaching tips, and instructional techniques. Please follow all Laboratory Safety Rules.

MEDIA SPOTLIGHT

Series: XPLORATION: DIY SCIENCE

Steve Spangler Science Experiments - Steve Spangler is the host of the nationally syndicated television series DIY Sci where viewers learn how to use do-it-yourself experiments.

The Power of Air
Streaming video, Primary - Junior High, 22 min., Rotfeld Productions, 2016
Host Steve Spangler shows you how to make your own automatic toilet paper launcher, using the same science principles that keep an airplane in the air. Plus, how you can create a do-it-yourself smoke ring bazooka and a high-speed ping pong ball launcher.

Fluids
Streaming video, Primary - Junior High, 22 min., Rotfeld Productions, 2016
Host Steve Spangler shows you how to walk on water! Plus other unbelievable experiments you can do at home that all explore the question, What is a fluid?

Pressure
Streaming video, Intermediate - Senior High, 22 min., Rotfeld Productions, 2016
Host Steve Spangler shows experiments you can do at home that prove the power of air pressure. It all leads to an eye-popping demonstration where Steve makes a 55-gallon steel drum implode.

Soda
Streaming video, Primary - Junior High, 22 min., Rotfeld Productions, 2016
Host Steve Spangler is famous for being the scientist who popularized throwing Mentos in a bottle of soda to create a gushing soda geyser. He supersizes that stunt with a hundred soda bottles! Plus, other demonstrations you can do at home that reveal the secrets of soda.

Sound
Streaming video, Primary-Junior High, 22 min, Rotfeld Productions, 2016
Host Steve Spangler shows you how to make musical instruments from household items like glasses, pipes, and even your car.

ELENCO ELECTRONICS SNAP CIRCUITS

Snap Circuits Beginner Set, ST 5, Grades Pre-K-Kindergarten

Snap Circuits Snaptricity SK 557, Grades 2 and up

Snap Circuits Sound SK 584, Grades 2 and up

Snap Circuits SK 574, Grades 2 and up

Snap Circuits Light SK 583, Grades 2 and up

Snap Circuits Pro ST 18 Grades 3-6

https://library.oncboces.org/tomms2/index.php/snap/login
**BOOK COLLECTIONS**

**New Resources**

**Simple Machines ST 31, Grades 3 and up.**

- Build all 5 Simple Machines at the same time!

Students can construct, examine and explain simple machines to develop a deeper understanding of how they make work easier. Contains enough pieces to build a lever, pulley, inclined plane, wheel and axle, and wedge—all at the same time.

- Modify machines with 4 included weights (two 5g and two 10 g) and 8 included rubber bands to explore effort, force, load, motion and distance. Labeled pieces assemble easily and separate to store. Set of 63 pieces includes Instructor Guide and (10) Activity Cards.

**Something More At Stake: Battles At Saratoga DV 2200, DVD, IJH, 20 min., Eastern National, 2017**

In the fields and woods of Saratoga Battlefield, near Stillwater, N.Y., the British army was decisively beaten and compelled to retreat to Saratoga. Their capitulation on October 17, 1777 would prove to be the turning point of the War for American Independence and alter the course of world history.

**Bugg Book Readers are written for beginning, struggling, and reluctant readers in Grades K—5. Stephen Cosgrove, author of the series, has created a group of delightful characters to teach important life lessons. Includes (6) student books and activity sheets.**

- **Bee Double Bopp** (Respecting Others) AU 263
- **Big “Bubba: Bigg, Jr.** (Dealing With Bullies) AU 262
- **Bigg Family** (Getting Along With Others) AU 259
- **Bugglar Brothers** (Consequences of Stealing) AU 269
- **Cricket Clickett** (Finding Your Talents) AU 270
- **Flynn “Flea” Flicker** (Sticking To The Truth) AU 264
- **Hickory B. Hopp** (Paying Attention) AU 267
- **Katy Didd Bigg** (Standing Up For Yourself) AU 266
- **Melody Moth** (Practice Makes Perfect) AU 261
- **Mizz Buggly** (Doing Your Best) AU 268
- **Snugg N. Flitter** (Facing Your Fears) AU 265
- **Shrugg LaBugg** (Learning To Share) AU 260

**AMERICAN EXPERIENCE: THE GREAT WAR**

**PBS LearningMedia Collection: Model Interactive Lessons, Grades 9-12.** In this interactive lesson, students watch videos from American Experience: The Great War, read primary source documents and video transcripts, and analyze data to better understand how and why the United States and European leaders differed in their goals for a post war peace treaty.

Segments include:
- World War 1 and American Neutrality
- Wartime Propaganda
- Targeting German Americans
- Crackdown on Dissent
- African Americans and World War I
- The United States Enters World War I
- Alice Paul and Women’s Suffrage

**Petey BC 259-FIC; Ben Mikelsen; Book Collection, IJ, 2010**

In 1922, Petey, who has cerebral palsy, is misdiagnosed as an idiot and institutionalized; sixty years later, still in the institution, he befriends a boy and shares with him the joy of life.