

Math Resources

Folding Geometric Shapes

This innovative folding geometric shape set is perfect for hands-on lessons in symmetry, perimeter, area, surface area and volume. Each three-inch shape folds flat, allowing for illustration of a three-dimensional shape's two-dimensional properties. Set of 16 pieces includes red, yellow, green and blue cylinder, square pyramid, cube, rectangular prism, cone, hexagonal prism, triangular pyramid and triangular prism, and clear plastic casings.

Fraction Blocks in a Bucket

Fraction Blocks can be used to teach all the concepts in the study of fractions for fractions with denominators of 2, 3, 4, 6 and 12. The fraction blocks will help students develop an understanding of the concept of "a whole" and the relationship of "parts" to "a whole". Note: In order to teach the above mentioned fractions, you will require a regular set of pattern blocks

Pattern Blocks

Set of 250 colourful, 1cm thick, polished hardwood blocks in a clear storage bucket. Contains: 25 yellow hexagons, 25 orange squares, 50 green triangles, 50 red trapezoids, 50 blue parallelograms, 50 tan rhombuses.

New DVD's March 2008

Outbreak 128 min

A deadly airborne virus finds its way into the USA and starts killing off people at an epidemic rate. Col Sam Daniels' job is to stop the virus spreading from a small town, which must be quarantined, and to prevent an over-reaction by the White House. Stars Dustin Hoffman, Rene Russo and Morgan Freeman.

Taking Math Tests 23 min

Students not only learn how the problem-solving component of math makes it different from other content areas, but also how the preparation and the taking of a math test is different from other subject areas. In this program, students will learn specific strategies for answering logic problems, computational problems, data analysis problems and, of course, word problems. Students will also learn the best strategies to use when preparing for a math exam, including the use of mnemonic devices. Students will be shown step-by-step strategies for answering math multiple choice questions and math problems that require a written response explaining how an answer was derived.

Algebra: Functions 26 min

For Pure Math 20

They begin with an example of how to use functions. The bullwhip business isn't going too well for Simon, but at least he makes a great example for a function. Next, they're going to turn things inside out with inverse functions. Then they explore lines without ends and enter a state of algebraic zen.

Topics Covered

- Function
- Vertical line test
- Inverting the graph
- Reflection
- Identity properties
- Commutative properties
- Associative properties
- Inverse properties
- Closure properties
- Distributive properties

Basic Math GOOD FOR MATH 14 AND 24

Adding & Subtracting 14 min

It's time to see fractions in action. Fight off those math blues as the Standard Deviants walk you through adding and subtracting fractions. It's as easy as pie (pieces of pie that is).

Topics Covered

- Finding common denominators
- Adding fractions
- Subtracting fractions

Working with Decimals 15 min

It's a decimal derby. After a refresher course on rounding off and scientific notation, the Standard Deviants move on to decimals: decimal basics, adding decimals, subtracting decimals, multiplying decimals, and dividing decimals.

Topics Covered

- Defining decimals
- Adding & subtracting decimals
- Multiplying & dividing decimals
- Rounding decimals
- Scientific notation

Geometry: The Pythagorean Theory 26 min

It's geometry in the real world, then a visit to triangle court to prove a few theorems about right triangles. Afterwards, the Standard Deviants introduce the Pythagorean theorem, one of the most famous theorems in geometry, and two special types of right triangles.

Bill Nye The Science Guy: Probability 26 min

Nye will probably make the complicated concept of probability very simple to understand, while showing how it allows us to predict events.

This DVD is for lower level math

The Blue Planet: Seas of Life

Ocean World

Experience the power of the Blue Whale. Learn how the sun and moon help control and tame the ocean. Travel from the Eastern Pacific to Alaska, from the Bering Sea to the shores of southern California and begin to understand the complexity and power of our oceans.

Frozen Seas

The Arctic and Antarctic are unrelenting habitats. Only in spring does life resume with vast hordes of migrating fish feeding on plankton blooms and walrus raking the seabed for clams, and minke and humpback whales gorging on swarms of krill. When the ice returns it pushes life back into the ocean.

Open Ocean

In the open ocean, the sea bed is five miles below the surface and the nearest island is 300 miles away. Here live many of the most spectacular predators of the ocean with beautiful battles between hunter and prey.

The Deep

A place of mountain ranges, perpetual night, pressure extremes and cold...and the weirdest forms of life on our planet. Discover the smoking chimneys of the hydrothermal vents.

Seasonal Seas

As the days grow longer, billions of plankton bloom under the sun. In these temperate seas, sharks graze among the forests of giant kelp which harbor thousands of other animals including sea otters, anemones, squid and exquisite leafy dragons. As the year wears on, storms rage in the icy sea, a challenge for the animals that remain.

Coral Seas

The coral sea is a rich oasis of life - the rainforest of the sea. Bizarrely adorned harlequin shrimp, starfish, humpback whales and schools of brightly colored fish battle for territory in this competitive world.

Tidal Seas

The sun and moon move billions of tons of water around the world with every turn of the tide. The strongest tides create havoc and the weaker tides control the movements of huge numbers of fish. As the water recedes, the tide can create

unbelievable landscapes like a sparkling world of salt crystals inhabited only by tiny shrimp and pink flamingos.

Coasts

From rocky cliffs to gentle dunes, the coasts are always changing. Seabirds come to nest, baby turtles hatch and race to the sea, young sea lion pups are born. When the breeding season is over, life returns to the sea and the shores are empty again.

Amazon Abyss

Discover an amazing array of creatures living in the depths of the Amazon.

Dive to Shark Volcano

Venture to Cocos Island, an underwater volcano whose waters are a haven for sharks.

Between the Tides

Explore the sights and sounds of an estuary in winter, featuring many natural spectacles caused by the tide.

Antarctica

Survey this cold, desolate continent.

Memento

113 min

Stars Guy Pearce, Carrie-Anne Moss, Joe Pantoliano.

Leonard Shelby travels the country in pursuit of vengeance. His anger is fuelled by the man responsible for the rape and murder of his wife but his search is hampered by the fact that he suffers from a rare, untreatable short-term memory loss. Although he can recall his life before the accident, Leonard can't remember what he did 15 minutes ago.

Memoirs of a Geisha

145 min

Stars Ziyi Zhang, Ken Watambe, Michelle Yeoh and Gog Li.

In 1929 an impoverished nine-year-old named Chiyo is sold to a geisha house in Kyoto's Gion district. She is subjected to cruel treatment from the owners and the head geisha Hatsumomo. Her stunning beauty attracts the vindictive jealousy of Hatsumomo, until she is rescued by and taken under the wing of Hatsumomo's bitter rival, Mameha. Under Mameha's mentorship, Chiyo becomes the geisha named Sayuri, trained in all the artistic and social skills a geisha must master in order to survive in her society. As a renowned geisha she enters a society of wealth, privilege, and political intrigue. As World War II looms, Japan and the geisha's world are forever changed by the onslaught of history.

V for Vendetta

132 min

Evey is a young woman drawn into the dangerous world of V - a masked freedom fighter/terrorist trying to bring down a fascist government in futuristic Britain.

News in Review February 2008

The Assassination of Benazir Bhutto

12:36 min

On December 27, 2007, former Pakistani prime minister Benazir Bhutto was murdered as she left an election rally in Rawalpindi. Bhutto's death caused widespread rioting and forced the government to postpone a general election until

February. This story looks at the life of Benazir Bhutto and what her death could mean for her troubled country.

Cracking Down on Tasers

14:07 min

In late December, the RCMP announced it would be restricting its use of electric stun guns, or Tasers. The announcement came two months after a Polish immigrant at the Vancouver airport died after police used Tasers and then restrained him. This story looks at how that death set off a national debate about the safety of stun guns.

The Oils Sands and the Environment

17:37 min

Alberta's oil sands have transformed Canada into a world energy superpower. The profits are staggering but so are the costs to the environment. In this News in Review story they look at the effects of this modern-day black gold rush. They also examine how the rising demand for oil is forcing the Alberta government to make some very difficult choices.

The Hidden Wounds of War

14:42 min

Many Canadian soldiers have been killed and wounded in Afghanistan. Now some "healthy" soldiers are returning home to discover they too, have been wounded, but didn't even know it. In this News in Review story they examine the devastating psychological impact of war on soldiers. We'll also take a very personal look at the struggle of a Canadian soldier who served in Afghanistan.