Adding and Subtracting Fractions with the Same Denominators
L0146129,SV
16:12 min PJ 2010 2453
Math Park: The Fractions and Decimals Series - Computer graphics provide a deeper understanding about adding fractions with the same denominator; comedy sketches and games reinforce the concept of adding and subtracting fractions; a take-off on TV game shows provides a lesson in problem-solving with fractions: when to add or subtract.

Adding and Subtracting Large Numbers: Common Core 4 Kids
L0114882,SV
5:42 min P 2016 2453
Common Core Math 4 Kids Series - In this video we teach the math behind adding 3 numbers at a time. Adding multiple digits can be hard but our video helps kids learn the concepts needed for success. This video is a great intro video for this topic. *Pause the video at anytime to have the kids answer any questions.

Algebra Básica
L0155181,SV
27:32 min JIS 2016 2453
Standard Deviants Español Pre-Algebra Series - This program continues the discussion of the number line and includes a review of intervals and inequalities. Then it's the first steps into basic algebra: constants, variables, equations, and a special surprise appearance by X.

Adding Multiple Digit Numbers: Common Core 4 Kids
L0114873,SV
4:51 min P 2016 2453
Common Core Math 4 Kids Series - Kids will learn about addition for first grade and also about the commutative property in this fun video. Kids need to know that in addition problems you can switch numbers around and still get the same answer. Dive in our fish tank and learn with us in 1st Grade.

Arrays
L0156218,SV
4:52 min PJ 2016 2453
A World Without Maths Series - This short video explains about angles and parallel lines.

Adding and Subtraction Equations
L0143927,SV
17:50 min P 2016 2453
Common Core 1st Grade Math Series - In this program, kids will learn about addition and subtraction equations. Common Core 1st Grade requirements on this subject are introduced, beginning with a review of the symbols for addition, subtraction, and equal to. How do we know if equations are true? What are the commutative and associative properties of addition? The answers to these questions are covered in depth with detailed graphics, diagrams, and exciting video. On-screen multiple-choice reviews at the end of each segment reinforce important concepts and make learning fun.

ASSOCIATIVE PROPERTY OF ADDITION: COMMON CORE 4 KIDS
L0114874,SV
2:37 min P 2016 2453
Common Core Math 4 Kids Series - Kids will love to go into Outer Space and learn to add 3 whole numbers using the associative property of addition. First grade kids will learn how to use doubles and partners of ten to answer equations.

Auberges de campagne: Style et maisons (Homes by Design in French)
L118449,SV
24:35 min S 2007 2453
Style et maisons (Homes by Design in French) Series - Parfois, on préserve les maisons pour leur beauté architecturale en les convertissant en auberges de campagne. 1. Dans le village de Vallvidera à Barcelone se trouve un élegant manoir néo-classique construit par une femme cubaine en 1900. La nouvelle propriétaire Rosa Maria Escotet l'a restauré avec soin en petit hôtel et espère qu'il va devenir à nouveau une maison privée. 2. L'hôtel Claramount et Spa à Picton en Ontario a reçu le jardin de campagne typiquement anglais dans un contexte de pension. 3. La conception de l'architecte Doran Musgrove du Morningside Bed and Breakfast, juste à l'extérieur de Victoria en Colombie-Britannique, s'harmonise parfaitement avec le nature rustique de son environnement et démontre l'influence des principes architecturaux de Wright sur l'architecte.

Area Estimation of Shapes
L0161214,SV
5:11 min JI 2016 2453
Using bright animations and clear explanations, this Miniclip will help students discover how to estimate the area of regular and irregular shapes using the informal method of counting whole and partial squares. Students will understand how to calculate square centimeters through examples utilizing grid overlay and a range of bright shapes.

Algebraic Variables and Index Laws
L0161296,SV
4 min JIS 2014 2453
This clip defines the mathematical concepts of constants and variables before going on to apply index laws to variables using positive integer indices and the zero index. Simplifying equations by adding, subtracting, multiplying, and dividing indices is demonstrated. Ideal for introducing or reinforcing concepts.

Arrays
L0114874,SV
2:37 min P 2016 2453
Common Core Math 4 Kids Series - Kids will love to go into Outer Space and learn to add 3 whole numbers using the associative property of addition. First grade kids will learn how to use doubles and partners of ten to answer equations.

Algebra - One Plus One : Common Core 4 Kids
L0114864,SV
2:07 min P 2016 2453
Common Core Math 4 Kids Series - Come learn Addition for little kids in this fun video where we add one and see what numbers are hiding. Come join and learn with us!

Algebra
L0156336,SV
3:06 min JIS 2016 2453
Real Life Math Series - Learn more about algebra using a real life situation.

Mathematics Resources
Ballerina, The: Footnotes: The Classics of Ballet with Frank Augus
L116839,SV
28:30 min JIS 1995 2453
Footnotes: The Classics of Ballet with Frank Augus Series
- This program examines the importance of the Ballerina from a unique perspective.

La Ballerina: Histoire des grands ballet (Footnotes series in French)
L118433,SV
27:24 min JIS 1995 2453
Histoire des grands ballet (Footnotes series in French) - Ce programme examine l'importance de la ballerine d'un point de vue unique.

Ballet d'Asie: Histoire des grands ballet (Footnotes series in French)
L118437,SV
28:18 min JIS 1995 2453
Histoire des grands ballet (Footnotes series in French) - Qu'ont fait Hong Kong et la Chine avec la technique 'Vaganova' et pour quelles raisons ont-ils gagné toutes les compétitions de ballet du monde entier?

Le Ballet en Russie: Histoire des grands ballet (Footnotes series in French)
L118436,SV
26:47 min JIS 1995 2453
Histoire des grands ballet (Footnotes series in French) - Un regard à l'histoire et l'influence de Kirov et des compagnies de ballet du Bolshoi.

Ballet in Asia: Footnotes: The Classics of Ballet with Frank Augus
L116817,SV
28:31 min JIS 1995 2453
Footnotes: The Classics of Ballet with Frank Augus Series - Margot Fonteyn said that the future of ballet lies in the hands of the people of Asia. We will focus on the development of ballet in Asia. What have Hong Kong and China done with the Russian "Vaganova" technique and why are they winning all of the ballet competitions around the world?

Ballet in Russia: Footnotes: The Classics of Ballet with Frank Augus
L116818,SV
29:43 min JIS 1995 2453
Footnotes: The Classics of Ballet with Frank Augus Series - A look at the history and influence of the Kirov and Bolshoi Ballet Companies.

Le Ballet National au Canada: Histoire des grands ballet (Footnotes series in French)
L118438,SV
27:17 min JIS 1995 2453
Histoire des grands ballet (Footnotes series in French) - Un coup d’l à l’histoire et l’influence de la Société du Ballet National du Canada.

Les Ballets Russes de Diaghilev: Histoire des grands ballet (Footnotes series in French)
L118430,SV
27:21 min JIS 1995 2453
Histoire des grands ballet (Footnotes series in French) - LES BALLETs comprennent Spectre de la Rose (1911), Petrouchka (1911), L'Après-midi d'un Fauve (1912). Le grand producteur Sergé Diaghilev a joué un rôle important dans le développement du ballet dans les années 1900 et aujourd'hui, les Ballets de Monte-Carlo conservent sa fière tradition.
dialogue, teacher reflections, and examples of student work. Focus questions at the beginning of each vignette help you analyze the examples and encourage further reflection.

Beyond Answers is a wonderful resource that can be used by individual teachers, study groups, professional development staff, and in math methods courses.

**Bitesize - Computing**
*For descriptions see individual titles:*
Rates of Change: Straight Line or Curve

**Bitesize - Elementary Math**
*For descriptions see individual titles:*
2D Shapes
Comparing Shapes
How can You Transform a Shape
How Do You Order by Size?
How Do You Work out the Area of a Triangle?
How Much Have I Spent?
How Old Is Math?
How to Add and Subtract Numbers in Your Head
How to Calculate Percentage
How to Calculate Volume
How to Collect Data
How to Convert Between Ratios, Fractions, and Percentages
How to Count with Tens and Ones
How to Find the Mean, Median, Mode and Range
How to Multiply and Divide by 0, 1, 10, 100
How to Multiply Fractions
How to Order Numbers
How to Partition a Number
How to Round Decimal Numbers
How to Round Numbers
How to Simplify Fractions
How to Solve Missing Number Problems
How to Use Column Subtraction
How to Use Directions and Turns
How to Use Estimation to Check Your Answers
How to Use Simple Data Tables
How to Work out an Area
How to Work out Division with Remainders
Prime Numbers
Short Division Using Written Methods
Using Number Lines for Division
What Are 3D Shapes?
What Are Coordinates?
What Are Decimals?
What Are Factors?
What Are Fractions?
What Are Imperial Measurements?
What Are Metric Measurements?
What Are Multiples?
What Are Negative Numbers?
What Are Nets?
What Are Number Bonds?
What Are Odd and Even Numbers?
What Are Parallel and Perpendicular Lines?
What Are Squares and Cube Numbers?
What Are the Different Types of Data Visualization?
What Are the Parts of a Circle?
What Are the Properties of 3D Shapes?
What Are the Types of a Triangle?
What Are Unit and Mixed Fractions
What Is a Number Line?

**Bitesize - Secondary Math**
*For descriptions see individual titles:*
Angles and Parallel Lines
Natural Sequence
Pythagoras’ Theorem
Solving Algebraic Problems
Solving Geometric Problems
Solving Graphical Problems
Solving Number Problems
Solving Statistical Problems
Transformation of a Curve
Transformation of Curves
Wages and Salaries
What Is Standard Form?

**Bivariate Data and Pool Use**
L0161297,SV
6:57 min  JIS 2015  2453
This clip investigates how the number of people at the local pool changes over the course of a day. The data is displayed in graphs showing pool patron numbers during each two-hour time period. Follow along as lines and curves of best-fit are drawn for the data and used to interpret the data. This clip explores parabolas, coefficient of determination, interpolation, and extrapolation.

**Botley: The Coding Robot**
999671,KT
P 2018
Botley Robot Teaches Coding without Screens because Botley is programmed via a handheld remote.

**Botley will:**
- Detect objects - and move around them!
- Follow looping commands
- Navigate obstacle courses
- Follow black lines

**Teach and encourage:**
- Basic coding concepts
- Advanced coding concepts like if/then logic
- Critical thinking
- Spatial concepts
- Collaboration and teamwork

**Break Apart Line Addition: Common Core 4 Kids**
L0114866,SV
3:08 min  P 2016  2453
*Common Core Math 4 Kids Series - Come learn what numbers are hiding in the number 5 with our introduction to the break apart line. Students will learn how the number 5 is made up of other numbers.*
Building a Math-Positive Culture: How to Support Great Math Teaching in Your School
999661,BK 2016
Preparing students for their future calls for fresh thinking about mathematics teaching and learning. Shifting the mathematics program in a school or school system is an ambitious task that can yield huge benefits for students.

Author Cathy L. Seeley offers an overview of what an effective and successful mathematics program might look like at any level in the K-12 system and what a leader can do to support improvement toward that vision. It considers the needs and abilities of the students. The nature of the mathematics we want them to learn. The kinds of classrooms where that learning can best take place. The culture of schools where such classrooms thrive. The first steps in a process by which leaders can create those schools.

Calculating Duration across Time Zones
L0161281,SV 5:24 min JIS 2014 2453
Calculating flight distances within and across time zones is a common need. This Miniclip investigates the arrival and departure times of someone traveling within and across time zones in Australia and Asia, using both 12-hour and 24-hour time. Ideal for applying mathematical concepts to real-world situations.

Calculating Profit: Earning Your Bread and Butter
L0161168,SV 4:28 min S 2014 2453
Numbers and Algebra Series - Our presenter is interested in running her own café and decides to see what profit can be made from selling sandwiches. She works through the individual costs of sandwich ingredients to compare against café sandwich prices, then calculates her potential profit (percentage). She quickly learns there’s more to her costs than just ingredients. Ideal for applying mathematical concepts to real-world situations.

Calculating the Area of Rectangles
L0161218,SV 3:39 min JI 2017 2453
Area is a common measurement, but knowing what it is and how to calculate it correctly is essential. This Miniclip introduces the concept of area and the different methods of calculating it for rectangles. This clip uses simple illustrated explanations, making it ideal for students of varied abilities.

Calculating the Perimeter of Rectangles
L0161219,SV 5:23 min JI 2017 2453
Introducing perimeter to students can be a challenging task, but with this Miniclip students will discover what a perimeter really is, when we might use it, and the different ways it can be calculated. This is a simple and straightforward approach to a challenging concept that caters to students of varied abilities.

Capacity
L0161225,SV 6:10 min JIS 2016 2453
Converting Metric Units Series - How do we measure the space that something takes up? What is the difference between capacity and volume? Discover the answers to these questions and see fantastic real-world examples that illuminate the importance of appropriate unit choice with this Miniclip. Students will learn about the correct operations to convert between milliliters, liters, kiloliters, and megaliters and will understand how to connect each unit to its correct abbreviation.

Mathematics Resources
Casse-Noisette: Histoire des grands ballet (Footnotes series in French)
L118422,SV 27:16 min JIS 1995 2453
Histoire des grands ballet (Footnotes series in French) - Choregraphié par Petipa (1892)/Musique de P. Tchaïkovski. Un échantillon de chaque saison de vacances, CASSE-NOISETTE est de loin le ballet le plus populaire et le plus connu de tous les temps.

Cendrillon: Histoire des grands ballet (Footnotes series in French)
L118428,SV 27:17 min JIS 1995 2453
Histoire des grands ballet (Footnotes series in French) - Choregraphié par Petipa, Cécetti, Ivanov (1893)/Musique par B. Fittinghoff-Schell. Ce ballet populaire basé sur le conte de fées de Perrault est devenu la pierre angulaire de la croissance et du développement de la Royal Ballet de Londres.

Cinderella: Footnotes: The Classics of Ballet with Frank Augus
L116822,SV 27:16 min JIS 1995 2453
Footnotes: The Classics of Ballet with Frank Augus Series - Choreographed by Petipa, Cecetti, Ivanov (1893)/Music by B. Fittinghoff-Schell. This popular ballet was based on Perrault’s classic fairy tale and became the cornerstone of the growth and development of The Royal Ballet in London.

Circles
L0143626,SV 15:53 min JI 2017 2453
This video explores the main features of circles. Special attention is given to the computation of circumference and area of circles. The nature of cylinders is also explored.

Common Core 1st Grade Math
For descriptions see individual titles:
Addition and Subtraction Equations
Place Value, Base 10, and Symbols for Comparing Numbers
Telling and Writing Time

Common Core 3rd Grade Language
For descriptions see individual titles:
Common Core 3rd Grade Math: Understanding Bar Graphs

Common Core 3rd Grade Math: Understanding Bar Graphs
L0143944,SV 13:08 min P 2017 2453
Common Core 3rd Grade Language Series - In this Common Core-compliant program, students are introduced to bar graphs. What are bar graphs used for? How do we plot and interpret data on bar graphs? The answers to these questions are covered with detailed graphics, diagrams, and exciting video, as well as on-screen multiple-choice reviews at the end of each segment, to reinforce important concepts and make learning fun.

Common Core Kindergarten Math
For descriptions see individual titles:
Counting and Comparing Numbers
Geometry: Learning Shapes, Volume 1
Geometry: Learning Shapes, Volume 2
Measurement and Data
Mathematics Resources

Common Core Math 4 Kids
For descriptions see individual titles:
Adding and Subtracting Large Numbers: Common Core 4 Kids
Adding Multiple Digit Numbers: Common Core 4 Kids
Addition and Commutative Property: Common Core 4 Kids
Addition - One Plus One: Common Core 4 Kids
Associative Property of Addition: Common Core 4 Kids
Break Apart Line Addition: Common Core 4 Kids
Comparing Numbers 1st Grade: Common Core 4 Kids
Counting by 10’s to 100: Common Core 4 Kids
Counting from 10 to 20: Common Core 4 Kids
Counting Ten Numbers Mailbox: Common Core 4 Kids
Counting to Ten: Common Core 4 Kids
Counting to Ten with Objects: Common Core 4 Kids
Division Basics: Common Core 4 Kids
Division Vocabulary: Common Core 4 Kids
Double Digit Addition Worksheet Video: Common Core 4 Kids
Doubles Addition Machine: Common Core 4 Kids
Learn Colors for Kids: Common Core 4 Kids
Learning Money Race: Common Core 4 Kids
Length Word Problem: Common Core 4 Kids
Line Plots: Common Core 4 Kids
Long Division: Common Core 4 Kids
Long Division with Remainders: Common Core 4 Kids
Math Mountain Introductions: Common Core 4 Kids
Months of the Year: Common Core 4 Kids
More and Fewer: Common Core 4 Kids
Multiplication Commutative Property: Common Core 4 Kids
Multiplication Relations: Common Core 4 Kids
Multiplication Vocabulary: Common Core 4 Kids
Picture Graphs: Common Core 4 Kids
Place Value Tens and Ones: Common Core 4 Kids
Place Value with Grouping: Common Core 4 Kids
Shape Vending Machine: Common Core 4 Kids
Shapes 2nd Grade: Common Core 4 Kids
Shapes for Kids: Common Core 4 Kids
Skip Counting and Hundreds Chart: Common Core 4 Kids
Skip Counting by 2: Common Core 4 Kids
Solving Word Problems Addition: Common Core 4 Kids
Subtraction with Regrouping Worksheet Video: Common Core 4 Kids
Teenage Numbers: Common Core 4 Kids

Comparing and Ordering Fractions
L0146126.SV
16:14 min PJ 2010 2453
Math Park: The Fractions and Decimals Series - Exploring strategies for comparing fractions using visual representations and standard form; putting fractions in order from least to greatest and greatest to least.

Comparing Fractions
L0146125.SV
18:25 min PJ 2010 2453
Math Park: The Fractions and Decimals Series - More exploration of the relationship between the numerator and denominator; looking at different visual representations of the same fraction; comparing fractions with the same numerator but different denominator (one-fourth and one-eighth).

Comparing Numbers 1st Grade: Common Core 4 Kids
L0114896.SV
4:35 min P 2016 2453
Common Core Math 4 Kids Series - Students learn about comparing numbers using Greater Than, Less Than and Equal to in this fun video. We not only help students learn to read from left to right but to also recognize the symbols and use place value blocks to better understand teen numbers. Beware the Alligator!

Comparing Shapes
L0147689.SV
1:48 min PJ 2017 2453
Bitesize - Elementary Math Series - This short video explains the differences between polygons.

Congruence and Similarity in Plane Shapes
L0161282.SV
4:39 min JIS 2014 2453
Our narrator is busy constructing a playground. Follow along as she goes beyond practical demonstrations to mathematically prove that she is creating sunshade shapes that are congruent or similar to the equipment they are covering. By applying logical reasoning, she is able to work through her proofs step by step. Ideal for applying mathematical concepts to real-world situations.

Congruent Shapes and Transformations
L0161283.SV
4:51 min JIS 2014 2453
Our narrator is planning the layout of a new playground and needs to recognize properties that determine congruence and which transformations create congruent figures. Follow along as she determines whether two figures are congruent after transformations (translation, reflection, rotation). Ideal for introducing or reinforcing concepts.

Converting Metric Units
For descriptions see individual titles:
Capacity
Length
Mass
**Coppélias: Histoire des grands ballet (Footnotes series in French)**

L118427,SV  
27:22 min  
JIS 1995  
2453

Histoire des grands ballet (Footnotes series in French) - Choregraphié par Arthur Saint-Léon (1870)/Musique de Leo Delibes. Les czardas ont d’abord été introduits dans le ballet pour ensuite devenir des danses folkloriques nationales très populaires. COPPÉLIA a également été l’un des premiers ballets à nous faire voir une poupée prendre vie.

**Counting and Comparing Numbers**

L0143912,SV  
16:12 min  
P 2016  
2453

Common Core Kindergarten Math Series - This program meets all of the Common Core kindergarten math standards for counting and comparing numbers. After viewing, kids will be able to identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group by using matching and counting strategies. They will also be able to compare two numbers between 1 and 10 presented as written numerals utilizing the symbols for greater than, less than, and equal to. On-screen multiple-choice reviews at the end of each segment reinforce important concepts and make learning fun.

**Counting and Sorting Activities**

204047,KT  
P 2018

Use play to build number sense and recognition and practice counting and sequencing.

**Shake and Reveal: Counting Cards**

Students count all the way to 10 using fun visual cues like chocolate chips, a giraffe’s spots and more! Just slide a card into the window box and give it a shake. Then watch as the permanently enclosed magnetic shavings complete the illustration.

**Nesting and Sorting Barns**

Students will match-and-stack set of 6 stacking barns and 6 wooden animals pairing the pieces by size and number for exciting first-concepts practice. Colourful barns feature counting pictures on the back walls.

Great for hand-eye coordination; concepts of color, size, and number; counting; problem solving; narrative thinking; and creative play.

**Dolphin Balancing Game**

This kit contains two games that students can play to reinforce critical thinking and fine motor skills.

**Dance Integration: 36 Dance Lesson Plans for Science and Mathematics**

240450,BK  
229 p. E 2014  
1318

Dance Integration offers 36 K-5 lesson plans that use dance learning to bring mathematics and science curriculums to life.

These plans have proven to improve literacy in dance, mathematics, and science.
This box set contains 72 full-colour, illustrated challenges. You will also need Dash and Dot robots and the Blockley coding concepts: sequences, loops, events, conditionals, and variables.

Each card provides a fun and engaging challenge that invites students to practice one of the six fundamental coding concepts: sequences, loops, events, conditionals, functions, and variables.

Days, Weeks, Years
L0146067,SV
1:07 min P 2017 2453

Little Smart Planet Series - Learn when day and night starts, how many days there are in a week and months in a year. You'll love this video!

Describing 2-D Shapes
L0161229,SV
5:09 min JIS 2017 2453

The foundational concept of two-dimensional shapes is introduced by this MiniClip in an easy-to-understand manner using familiar everyday objects to illustrate the most common 2-D shapes. Squares, rhombuses, triangles, kites, circles, rectangles...they're all there! Also included is a short introduction to quadrilaterals and the definitions of sides and corners.

Describing 3-D Shapes
L0161230,SV
6:04 min JIS 2017 2453

Three-dimensional shapes are everywhere we look! See some of the basic 3-D shapes come to life in this MiniClip, complete with clear animations to show the faces, edges, and corners of each shape. Students will soon have an understanding of the various 3-D shapes that they might encounter and the features that make each of them unique!

Destination Distances on a Cartesian Plane
L0161189,SV
6:31 min S 2014 2453

Numbers and Algebra Series - When the Smithton River floods five local towns, a plane needs to drop supplies at each. A route needs to be determined that will reach the most-affected areas first, while ensuring the plane has enough fuel between stops and that the pilot complies with regulations about consecutive flying hours. Follow the relief operation as we use a Cartesian plane to determine the distances between each town and plan a successful operation. Strategies used include Pythagoras' Theorem and graphing software. This is an excellent resource for applying mathematical concepts to real-world situations.

Developing Young Children's Mathematical Learning Outdoors: Linking Pedagogy and Practice
999680,8K 2018

Developing Young Children's Mathematical Learning Outdoors provides detailed guidance and practical advice on planning mathematical experiences for young children outdoors. By examining the key features of a mathematically rich outdoor environment, it illustrates how this can motivate children in leading their own learning and mathematical thinking.

Drawing upon the author's wealth of experience, the book provides support for students and early years' practitioners in developing a deeper understanding of how to plan quality experiences, which combine pedagogy with effective practice. Covering all aspects of mathematics, it identifies meaningful contexts and shows how adults can use open-ended questions and prompts to promote children's mathematical play outside.

With rich case studies and reflective questions included throughout, as well as suggestions for useful resources to put the ideas in the book into practice, it is essential reading for all those that want to develop curious and creative mathematical thinkers in the early years.

Diaghilev's Ballets Russes: Footnotes: The Classics of Ballet with Frank Augus
L116824,SV
28:18 min JIS 1995 2453

Footnotes: The Classics of Ballet with Frank Augus - Ballets include Spectra de la Rose (1911), Petrushka (1911), L'Après-midi d'un Faune (1912). The great producer Sergei Diaghilev was a major force in the development of ballet in the 1900's, and today Les Ballets de Monte Carlo maintains his proud tradition.

Diviendo Enteros
L0155170,SV
7:40 min JIS 2016 2453

Standard Deviants Español Matemáticas Series - Students are often intimidated by division, but they don't have to be. The Standard Deviants start off with small numbers and basic concepts and move up from there. We cover quotients, remainders, and how to check the answer.

Dividing by Multiples of Powers of 10
L0161233,SV
4:55 min PJ 2017 2453

Discover how to solve equations involving the division of multiples of powers of 10 with this MiniClip! Using clear animations and a real-world example to demonstrate the computation method, this clip will assist your students understanding of this mathematical process.

Génerations successives se réunissent à la barre.

Diaghilev's Ballets Russes: Footnotes: The Classics of Ballet with Frank Augus
L116824,SV
28:18 min JIS 1995 2453

Footnotes: The Classics of Ballet with Frank Augus - Ballets include Spectra de la Rose (1911), Petrushka (1911), L'Après-midi d'un Faune (1912). The great producer Sergei Diaghilev was a major force in the development of ballet in the 1900's, and today Les Ballets de Monte Carlo maintains his proud tradition.

Diviendo Enteros
L0155170,SV
7:40 min JIS 2016 2453

Standard Deviants Español Matemáticas Series - Students are often intimidated by division, but they don't have to be. The Standard Deviants start off with small numbers and basic concepts and move up from there. We cover quotients, remainders, and how to check the answer.

Dividing by Multiples of Powers of 10
L0161233,SV
4:55 min PJ 2017 2453

Discover how to solve equations involving the division of multiples of powers of 10 with this MiniClip! Using clear animations and a real-world example to demonstrate the computation method, this clip will assist your students understanding of this mathematical process.
Introducing division can be challenging, but this endearing Miniclip makes this mathematical operation relatable and engaging for your young students! Follow Ali and his delicious vegetable patch as he demonstrates how to use repeated subtraction on a number line and through the horizontal subtraction method to make yummy cupcakes! Each step of these methods is explained, allowing your students to develop their understanding and build the confidence to try it themselves.

**Division Basics: Common Core 4 Kids**
L0114893,SV
4:02 min PJ 2016 2453

Common Core Math 4 Kids Series - Learn the basics of division in this fun video where we learn different ways to divide. We use number lines, grouping of objects and repeated subtraction.*Feel free to pause the division video to challenge the kids in class.

**Division Vocabulary : Common Core 4 Kids**
L0114892,SV
3 min PJ 2016 2453

Common Core Math 4 Kids Series - Come learn the basic vocabulary for Division for 3rd grade! This fun math video engages students and helps teachers start out the subject of Division. Feel free to pause the video at any time to explain or answer questions. This is great to review concepts.

**Don Quichotte: Histoire des grands ballet (Footnotes series in French)**
L116825,SV
27:07 min JIS 1995 2453

Histoire des grands ballet (Footnotes series in French) - Choreographed by Petipa (1869)/Musique de Léon Minkus. Basé sur le roman de Cervantès, ce ballet a été produit essentiellement pour introduire des danses espagnoles.

**Don Quixote: Footnotes: The Classics of Ballet with Frank Augus**
L116825,SV
27:07 min JIS 1995 2453

Footnotes: The Classics of Ballet with Frank Augus Series - Choreographed by Petipa (1869) / Music by Leon Minkus. Based on Cervantes' novel of the same name, this ballet was produced chiefly to introduce Spanish dances.

**Double Digit Addition Worksheet Video: Common Core 4 Kids**
L0114887,SV
2:24 min P 2016 2453

Common Core Math 4 Kids Series - Come learn about Double Digit Addition as we go over a worksheet with the Number One. This is great to be used in class to help students see how to work a few problems.

**Doubles Addition Machine: Common Core 4 Kids**
L0114875,SV
3 min P 2016 2453

Common Core Math 4 Kids Series - Come learn about Doubles Addition up to the number 5 with us! We fix a doubles machine in this math video which helps kids learn their doubles. This video is designed to teach and not just be a time waster so please enjoy the video and let the kids participate. Pause the video if you would like to have kids answer the questions.

**Drawing Prisms**
L0161298,SV
4:15 min JIS 2015 2453

This clip explores prisms and uses computer graphics to show the aerial, front, and side views of many different prisms. Throughout the clip, students are prompted to make their own drawings of different views of 3-D prisms and to sketch the 3-D prism shape represented by the 2-D base (top) and faces (front and side) provided. Combination prisms are introduced.

**Duos Célèbres: Histoire des grands ballet (Footnotes series in French)**
L118434,SV
27:18 min JIS 1995 2453

Histoire des grands ballet (Footnotes series in French) - Les grands partenariats n’existent plus dans le monde du ballet. Nous allons examiner quelques-uns des plus grands duos (Nureyev/Fontein, Sibley/Dowell, Vasiliev/Maximova, Kain/Augustyn, etc. . . ) et étudier les raisons pour lesquelles ce phénomène a cessé.

**Dynamo Dominoes**
999596,KT PJ
Students will build a colorful trail of wooden dominoes. The addition of bridges, bells, rails, and assorted tricks can be used to create a variety of chain reactions.

Encourages imagination and creativity, problem solving, the development of fine motor skills, and much more.

**Enteros y Adição**
L0155167,SV
13:03 min JIS 2016 2453

Standard Deviants Espanol Matematicas Series - The Standard Deviants drop in on the world of integers, covering all the integer basics from the number line to digits 0 through 9. *What are integers?* *What’s a whole number?* *You’ll find out! Then it’s time for a look at adding integers.

**Equivalent Fractions**
L0146128,SV
16:02 min PJ 2010 2453

Math Park: The Fractions and Decimals Series - Computer graphics provide engaging graphic representations to clarify why two fractions that are written differently can still be equal. Comedy sketches including two super-heroes (The Numerator and The Denominator) reinforce the concept of equivalent fractions.

**Evaluating Statistical Claims**
L0161299,SV
5:23 min JIS 2015 2453

This clip investigates statistical data and data displays used in the advertising of a new gym. Follow along to find the inconsistencies in the statistics, graphs, and pie charts and discover more about how the media can sometimes manipulate statistics and displays to support their claims.

**Exponents and Index Laws**
L0161284,SV
6:27 min JIS 2014 2453

Exponents and index laws can make manipulations of numbers simpler. In this clip, two situations are used to apply index laws to numerical expressions with integer indices. In the first situation, the narrator needs to determine how many pallets of water bottles he and his friends will need for a 16-day yacht trip. The second situation involves calculating the rate at which light-sensitive bacteria populations increase or decrease depending on changes to their environment. Ideal for applying mathematical concepts to real-world situations.

**Expressing Probability**
L0161236,SV
5:35 min PJ 2016 2453

Everything that happens around us has a probability, and this can be expressed in several ways. Using entertaining real-world examples such as picking which adorable kitten to adopt from a rescue home or scoring the glittery green pen in your pencil case, students will learn how to describe probabilities using fractions, decimals, and percentages in this Miniclip. It’s the purr-fect way to introduce this important mathematical skill!
Footnotes: The Classics of Ballet with Frank Augus

For descriptions see individual titles:
- Ballerina, The: Footnotes: The Classics of Ballet with Frank Augus
- Ballet in Asia: Footnotes: The Classics of Ballet with Frank Augus
- Ballet in Russia: Footnotes: The Classics of Ballet with Frank Augus
- Cinderella: Footnotes: The Classics of Ballet with Frank Augus
- Coppelia: Footnotes: The Classics of Ballet with Frank Augus
- Diaghilev’s Ballets Russes: Footnotes: The Classics of Ballet with Frank Augus
- Don Quixote: Footnotes: The Classics of Ballet with Frank Augus
- Gala Excerpts: Footnotes: The Classics of Ballet with Frank Augus
- Giselle: Footnotes: The Classics of Ballet with Frank Augus
- La Bayadere: Footnotes: The Classics of Ballet with Frank Augus
- Male Dancer, The: Footnotes: The Classics of Ballet with Frank Augus
- National Ballet of Canada, The: Footnotes: The Classics of Ballet with Frank Augus
- Nutcracker, The: Footnotes: The Classics of Ballet with Frank Augus
- Partnerships: Footnotes: The Classics of Ballet with Frank Augus
- Romeo & Juliet: Footnotes: The Classics of Ballet with Frank Augus

Finding the Area of Composite Shapes

Our narrator is helping to build a new playground. Her boss needs her to determine the area of different zones of the playground, some of which are composite shapes. Follow along as she works through the best way to determine the area of each shape, including partitioning. Ideal for applying mathematical concepts to real-world situations.

Fractions

- Fractions of a Set: L0146127,SV
  - 13:23 min
  - PJ 2010
  - Math Park: The Fractions and Decimals Series - Animated visual representation and games help students understand the concept of fractions of a set.

Geometry

- Geometry: Learning Shapes, Volume 1: L0143914,SV
  - 14:57 min
  - P 2016
  - Common Core Kindergarten Math Series - This brand-new, high-definition program meets all of the Common Core kindergarten standards for geometry. Kids will learn how to identify shapes, both 2-D and 3-D, and understand the differences. Shapes are then related to everyday objects in order to be able to identify shapes in the world around us. Graphics, animation, and on-screen multiple-choice review questions reinforce key concepts and make learning fun.
Histoire des grands ballets (Footnotes series in French) - This brand-new, high-definition program meets all of the Common Core kindergarten standards for geometry and builds upon the concepts introduced in Volume 1. Kids will learn how to identify shapes, both 2-D and 3-D, and understand the differences. They will also understand how smaller shapes can be combined to make larger ones. Graphics, animation, and on-screen multiple-choice review questions reinforce key concepts and make learning fun.

Giselle: Footnotes: The Classics of Ballet with Frank Augus
L116283,SV
26:10 min JIS 1995 2453
Footnotes: The Classics of Ballet with Frank Augus Series - Choreographed by Jean Coralli & Jules Perrot (1841) / Music by A. Adam. One of the great romantic ballets that has taught dancers the importance of acting.

Histoire des grands ballets (Footnotes series in French)
L118425,SV
27:16 min JIS 1995 2453
Histoire des grands ballet (Footnotes series in French) - Choreographed by Jean Coralli & Jules Perrot (1841) / Musique de A. Adam. L'un des grands ballets romantiques qui a enseigné aux danseurs l'importance d'agir.

Giselle: Histoire des grands ballet (Footnotes series in French)
L119775,SV
27:16 min JIS 1995 2453
Giselle: Histoire des grands ballet (Footnotes series in French) - One of the great romantic ballets that has taught dancers the importance of acting.

Mathematics Resources

Geometry: Learning Shapes, Volume 2
L0143915,SV
10:34 min P 2016 2453
Common Core Kindergarten Math Series - This brand-new, high-definition program meets all of the Common Core kindergarten standards for geometry and builds upon the concepts introduced in Volume 1. Kids will learn how to identify shapes, both 2-D and 3-D, and understand the differences. They will also understand how smaller shapes can be combined to make larger ones. Graphics, animation, and on-screen multiple-choice review questions reinforce key concepts and make learning fun.

Giselle: Footnotes: The Classics of Ballet with Frank Augus
L116283,SV
26:10 min JIS 1995 2453
Footnotes: The Classics of Ballet with Frank Augus Series - Choreographed by Jean Coralli & Jules Perrot (1841) / Music by A. Adam. One of the great romantic ballets that has taught dancers the importance of acting.

Histoire des grands ballets (Footnotes series in French)
L118425,SV
27:16 min JIS 1995 2453
Histoire des grands ballet (Footnotes series in French) - Choreographed by Jean Coralli & Jules Perrot (1841) / Musique de A. Adam. L'un des grands ballets romantiques qui a enseigné aux danseurs l'importance d'agir.

Giselle: Histoire des grands ballet (Footnotes series in French)
L118425,SV
27:16 min JIS 1995 2453
Histoire des grands ballet (Footnotes series in French) - Choreographed by Jean Coralli & Jules Perrot (1841) / Musique de A. Adam. L'un des grands ballets romantiques qui a enseigné aux danseurs l'importance d'agir.

How can You Transform a Shape
L0147733,SV
1:13 min PJ 2017 2453
Bitesize - Elementary Math Series - Find out about the different ways a shape can be transformed, including translation, rotation and reflection.

How Do You Order by Size?
L0147699,SV
0:44 min PJ 2017 2453
Bitesize - Elementary Math Series - Discover how to sort things by size, from the longest to shortest.

How Do You Work out the Area of a Triangle?
L0147752,SV
1:09 min PJ 2017 2453
Bitesize - Elementary Math Series - We can work out the area of a triangle by working out the area of a rectangle and then dividing it by two.

How Much Have I Spent?
L0147750,SV
1:03 min PJ 2017 2453
Bitesize - Elementary Math Series - This short video explains how to calculate how much money you have spent.

How Old Is Math?
L0147723,SV
1:19 min PJ 2017 2453
Bitesize - Elementary Math Series - This short video explains how long math has been around.

How to Add and Subtract Numbers in Your Head
L0147706,SV
1:16 min PJ 2017 2453
Bitesize - Elementary Math Series - Find out how mental methods when doing addition and subtraction in your head.

How to Calculate Percentage
L0147731,SV
0:52 min PJ 2017 2453
Bitesize - Elementary Math Series - To work out the percentage of something, it helps to find out what one percent is first.

How to Calculate Volume
L0147713,SV
0:57 min PJ 2017 2453
Bitesize - Elementary Math Series - Find out how to calculate the volume of a cuboid or cube using an equation.

How to Collect Data
L0147739,SV
0:55 min PJ 2017 2453
Bitesize - Elementary Math Series - This short video explains how important collecting data is.

How to Convert Between Ratios, Fractions, and Percentages
L0147755,SV
0:53 min PJ 2017 2453
Bitesize - Elementary Math Series - Ratios, fraction and percentages can all show proportion, This short video explains how to convert them.
How to Count with Tens and Ones
L0147702,SV 0:37 min PJ 2017 2453
Bitesize - Elementary Math Series - We use place value headings like tens and ones to tell us about the value of a digit in a number.

How to Find the Mean, Median, Mode and Range
L0147726,SV 1:03 min PJ 2017 2453
Bitesize - Elementary Math Series - Mode, median and mean are three types of average, This short video explains how to use them.

How to Multiply and Divide by 0, 1, 10, 100
L0147707,SV 1:10 min PJ 2017 2453
Bitesize - Elementary Math Series - This short video explains how to multiply by 0,1,10 and 100.

How to Multiply Fractions
L0147717,SV 0:58 min PJ 2017 2453
Bitesize - Elementary Math Series - Find out how to multiply fractions and calculate proportion.

How to Order Numbers
L0147690,SV 1:13 min PJ 2017 2453
Bitesize - Elementary Math Series - Find out about the order of numbers and counting.

How to Partition a Number
L0147762,SV 1:01 min PJ 2017 2453
Bitesize - Elementary Math Series - Breaking a big number up into smaller ones can help you solve tricky math's problems.

How to Round Decimal Numbers
L0147754,SV 1:02 min PJ 2017 2453
Bitesize - Elementary Math Series - Rounding numbers can be a useful way to estimate a total. Find out how to round decimal numbers.

How to Round Numbers
L0147747,SV 1:22 min PJ 2017 2453
Bitesize - Elementary Math Series - Discover how rounding numbers to the nearest ten or hundred can sometimes be helpful.

How to Simplify Fractions
L0147730,SV 1:12 min PJ 2017 2453
Bitesize - Elementary Math Series - You can simplify fractions by dividing the numerator and denominator by the same number.

How to Solve Missing Number Problems
L0147709,SV 1:25 min PJ 2017 2453
Bitesize - Elementary Math Series - This short video explains the process of solving missing number problems.

How to Use Column Subtraction
L0147729,SV 1:13 min PJ 2017 2453
Bitesize - Elementary Math Series - Number columns allow you to take large numbers and subtract one from another, This short video explains how to use them.

How to Use Directions and Turns
L0147759,SV 0:58 min PJ 2017 2453
Bitesize - Elementary Math Series - You can move an object from one place to another by giving directions and turns.

Mathematics Resources

Introducing Decimals: Tenths
L0146130,SV 15:41 min PJ 2010 2453
Math Park: The Fractions and Decimals Series - Relating fractions and decimals (tenths) through visual representations, comedy and interactive games.

Introducing Fractions: Parts of a Whole
L0146124,SV 17:46 min PJ 2010 2453
Math Park: The Fractions and Decimals Series - Exploring parts of a whole as an introduction to fractions. Vocabulary includes: fraction, denominator, numerator, whole, half, halves, thirds, fourths, fifths, sixths, sevenths, eigths, ninths, tenths.

Investigate Weight and Balance
999608,KT PJ 2018
This kit contains two activities that students can use to explore the concepts of weight and balance.

Weight Cylinders
The Weight Cylinders develop your students' ability to perceive and differentiate weights. They will help build concentration, matching and focusing skills. Students compare the weights of the wooden cylinders with plastic grips to discover a match.

Exploring and Investigating Balance
This activity offers students an opportunity for hands-on exploration of different types of materials. They will be able to compare the weights of the balls with their hands and then with the balance scale.

La Bayadere: Footnotes: The Classics of Ballet with Frank Augus
L116831,SV 27:07 min JIS 1995 2453
Footnotes: The Classics of Ballet with Frank Augus Series - Choreographed by Petipa (1877) / Music by Leon Minkus. A look at one of Petipa's most famous choreographies, considered by many as the culmination of his best work.
Le Lac des Cygnes: Histoire des grands ballet (Footnotes series in French)
L118421,SV
27:17 min JIS 1995 2453
Histoire des grands ballet (Footnotes series in French) -
Chorégraphié par Petipa & Ivanov (1877)/Musique de P. Tchaikovsky. Un regard sur le plus vénéré de tous les ballets classiques.

Learn about Days, Weeks, Months with Jake Jotter
L0148845,SV
8:26 min P 2018 2453
Super Geek Heroes Series - A fun 3D animated learning episode to support the early years development area of literacy. Jake Jotter is a Super Geek Hero on a mission to learn. In this episode he discovers the days of the week and the months in a year. A great way to help children remember each day and each month and have fun learning too.

Learn Colors for Kids: Common Core 4 Kids
L0114856,SV
0:55 min P 2016 2453
Common Core Math 4 Kids Series - In this short video kids learn different colors as a cool robotic arm brings in new balls of different colors. This video is great for preschool and even younger.

Learn to Count to 20 with Millie Maths
L0145097,SV
5:39 min P 2017 2453
Super Geek Heroes Series - Millie Maths is a Super Geek Hero on a mission to learn. In this episode she introduces numbers from one to ten and then from eleven to twenty with the help of her number chums. A great way to have fun, whilst learning about addition and subtraction.

Learn to Count Using Numbers, Shapes and Colors with Millie Maths
L0145082,SV
4 min P 2017 2453
Super Geek Heroes Series - Millie Maths is a Super Geek Hero on a mission to learn. In this episode she introduces numbers and counts from 1 to 10 using different colored shapes. A great way to play number games, have fun learning to count and recognize basic shapes.

Learn to Tell the Time with Millie Maths
L0145087,SV
8:01 min P 2017 2453
Super Geek Heroes Series - Millie Maths is a Super Geek Hero on a mission to learn. In this episode she counts from 1 to 12 using numbers on a clock face. Millie helps children to learn to tell the time using 0 clock for each hour. A great way to play number games, have fun learning to count and tell the time using the minute and hour hands on the clock.

Learning about Numbers (1-10)
L0145055,SV
3:58 min P 2016 2453
Little Smart Planet Series - Study the numbers by playing with asteroids, planets and rockets. Let’s do it!

Learning Money Race: Common Core 4 Kids
L0114878,SV
6:01 min P 2016 2453
Common Core Math 4 Kids Series - This is our second math video on coin values. We work story problems with coins and help students add coins together to solve the problems. *Pause the video at anytime to have the kids answer any questions.

Length
L0161226,SV
5:54 min JIS 2016 2453
Converting Metric Units Series - Converting between common metric units is an essential skill, which has now become that much easier to teach through this short and succinct Miniclip! Students will learn how simple it is to convert between units of length, including millimeters, centimeters, meters, and kilometers, and will see real-world examples of appropriate units and their corresponding abbreviations.

Length Word Problem: Common Core 4 Kids
L0114886,SV
4:19 min P 2016 2453
Common Core Math 4 Kids Series - This is a word problem involving length that the kids can work along with the character as he tries to find the solution. Enjoy the video!

Let’s Go Code! Activity Set
999673,KT
P 2018 2131
Students will have fun while building gross motor skills by stepping, hopping and turning.

Educational Benefits
Learning Style: Visual, Kinesthetic, Tactile
Skill Development: Critical thinking, Sequential thought, Problem solving, Gross motor skills, Directional sense, Following directions

Line Plots: Common Core 4 Kids
L0114885,SV
3:49 min P 2016 2453
Common Core Math 4 Kids Series - Our line plot video teaches all about line plots and how to construct your own. This is a great way to introduce the topic.*Pause the video at anytime to have the kids answer any questions.

Little Smart Planet
For descriptions see individual titles:
- Days, Weeks, Years
- Learning about Numbers (1-10)
- Numbers 1-10: The Song
- Story to Learn Numbers (1-10)

Long Division: Common Core 4 Kids
L0114894,SV
4:52 min J 2016 2453
Common Core Math 4 Kids Series - Come learn about Long Division for 4th Grade in this fun Math Video. We work through the basics of what many consider the traditional form of long division. Please pause the video at any time to help kids understand as it moves kind of quickly.

Long Division with Remainders: Common Core 4 Kids
L0114895,SV
4:50 min J 2016 2453
Common Core Math 4 Kids Series - Kids will learn about Long Division with Remainders in this funny video involving the Number One who ate too much to avoid remainders. Kids will laugh and enjoy learning about remainders in long division.
Kids will learn how to describe measurable attributes of objects, such as length or weight; directly compare two objects with a measurable attribute in common to see which object has more or less of the attribute and describe the difference; and classify objects by attributes and count in each category.

Math and Literacy Activities for the Light Table
This kit provides math and literacy activities to use with light tables.

Contents:
- Transparent tray
- 10 Transparent sheets
- Transparent ruler
- Transparent Numbers
- Transparent Letters
- Transparent chips
- Transparent gems
- Transparent Alphabet Squares
- Transparent shapes

Math Mountain Introductions: Common Core 4 Kids
This video is a great introduction to math mountains for 1st Grade kids. Kids will learn the basics of a math mountain with a fun 3D animation.

Math Park: The Fractions and Decimals Series
For descriptions see individual titles:
- Adding and Subtracting Fractions with the Same Denominators
- Comparing and Ordering Fractions
- Comparing Fractions
- Equivalent Fractions
- Fractions and Decimals: Hundredths
- Fractions of a Set
- Introducing Decimals: Tenths
- Introducing Fractions: Parts of a Whole

Measurement and Data
This program meets Common Core Kindergarten standards as it introduces the basic concepts of measurement and data. Kids will learn how to describe measurable attributes of objects, such as length or weight; specify several measurable attributes of a single object; directly compare two objects with a measurable attribute in common to see which object has more or less of the attribute and describe the difference; and classify objects by attributes and count in each category.

Mental Methods Division
Learn the mental method for solving division.

Mental Methods Multiplication
Learn the how to use mental methods in your head to complete multiplication problems.

Messy Maths: A Playful, Outdoor Approach to Early Years
The world is a mathematical place. The natural and built worlds provide dynamic and constantly changing environments, offering an endless supply of patterns, textures, colours, quantities and other attributes that underpin much of the necessary early maths experiences.

Children need lots of physical experiences that embody what maths is all about. For example, how much easier is it to understand the concept of weight if you can repeatedly lift, move and carry a range of heavy and light objects?

Juliet Robertson believes that every child and every adult is mathematically able. By sharing ideas and enjoying great mathematical conversations we can all deepen our understanding of the value of maths.

Being outside makes maths real. In the classroom, maths can seem disconnected from everyday experience. Real maths is really messy. Aside from mud pies and puddles, the cognitive processes involved mean it is not a smooth linear pathway of learning but rather an interconnected network. Lots of playing and activity along the way is a must. Children need time to make sense of the abstract ideas of maths through experiential processes along with lots of opportunities to ponder, enjoy and discuss the concepts encountered.

Messy Maths is packed full of activities to encourage children to learn through hands-on experience. Suitable for early years educators (of ages 3-6).

Months of the Year: Common Core 4 Kids
This video is a great introduction to the months of the calendar year in this fun video. Children will enjoy seeing the RC Helicopters fly around and bring in each month of the year. Come learn with us!

More and Fewer: Common Core 4 Kids
In this video we talk about more and fewer. The video gives the students a visual way to see when there are more or fewer objects. This lesson goes great with objects to use right after the video. As students get their hands on objects and learn the difference between more and fewer it will relate them easier.

Multiples: Two, Five, Ten
Learn the multiples of 2, 5, and 10.
The Classics of Ballet with Frank Augus

Ask any dancer what compels them to dance and they will tell you that it is first and foremost the music. This program will highlight the great composers of ballet and examine the inseparable relationship between the music and the dance.

Music of Ballet, The: Footnotes: The Classics of Ballet with Frank Augus

Musique et Ballets: Histoire des grands ballets (Footnotes series in French)

National Ballet of Canada, The: Footnotes: The Classics of Ballet with Frank Augus

Multiplicacion Enteros

Multiplicar y Dividir Fracciones

Multiplication Commutative Property: Common Core 4 Kids

Multiplication Relations: Common Core 4 Kids

Multiplication Vocabulary: Common Core 4 Kids

Music of Ballet, The: Footnotes: The Classics of Ballet with Frank Augus

Musique et Ballets: Histoire des grands ballets (Footnotes series in French)

National Ballet of Canada, The: Footnotes: The Classics of Ballet with Frank Augus

Natural Sequence

Numbers 1-10: The Song

Numbers and Algebra

Open Questions for the Three-Part Lesson: Geometry and Spatial Sense, Data Management and Probability 4 5 6 7 8

Open Questions for the Three-Part Lesson: Geometry and Spatial Sense, Data Management and Probability K 1 2 3

Ozobot bit - Class Set

Attached as a pdf (see below)

A Pair of DASH Robots
204038,KT
PJI 2018 LA
Dash is an exciting, hands-on learning tool for students.

Targeted at teaching creative problem solving, coding and robotics, Dash gives every student a head start on fundamental STEAM principles and 21st century skills.

Students send commands to robots to move them, light them up, and have them detect the world around them using coding and robotics applications.

Also included in the kit
Android tablets
DASH challenge cards

Partnerships: Footnotes: The Classics of Ballet with Frank Augus
L116835,SV
28:58 min JIS 1995 2453
Footnotes: The Classics of Ballet with Frank Augus Series - Great partnerships no longer exist in ballet anymore. We will look at some of the greats (Nureyev/Fonteyn, Sibley/ Dowell, Vasilev/Maximova, Kain/Augustyn, etc...) and examine why this phenomena has ceased.

Pattern Play
999536,KT
PJ 2017
Use this kit to introduce significant math concepts like sorting, matching, symmetry, congruence and fractions. Following abstract directions and diagrams to create patterns is a key part of coding.

Pattern Play
Create endless patterns with this high-quality, 40-block set. Vibrant colours and unusual shapes build spatial and artistic skills.

Pattern Play 3D
Using brightly coloured, multi-shaped wooden blocks, the goal is to turn 2D images into structures. The double-sided pattern cards are numbered in order of difficulty, and each build becoming more challenging, patience and confidence is gained through trial and error.

Percentages
L0156340,SV
3:10 min JIS 2016 2453
Real Life Math Series - Learn about the math in percentages.

Perimeter and Area
L0143625,SV
13:25 min JI 2017 2453
In this program students are introduced to perimeter and area. Easy-to-understand examples enable students to understand the process by which perimeter is calculated. The area of rectangles, parallelograms, and triangles is also clearly illustrated. Other terminology includes: polygons, units of length, square units, right triangle, and parallel.

Picture Graphs : Common Core 4 Kids
L0114864,SV
4:28 min P 2016 2453
Common Core Math 4 Kids Series - A great video to teach how to make your own picture graph. Students can follow along with their own paper to really get the most out of the video. *Pause the video at anytime to have the kids answer any questions or draw their own picture graph.

Place Value, Base 10, and Symbols for Comparing Numbers
L0143928,SV
22:43 min P 2016 2453
Common Core 1st Grade Math Series - This program meets Common Core 1st Grade Math standards as it teaches all about place value, base 10, and the symbols used to compare numbers. What are numbers? How does the base 10 system make it easier to count and represent numbers larger than 9? What are the symbols for less than, greater than, and equal to? How can we use these symbols to compare two-digit numbers? The answers to these questions are covered in depth with detailed graphics, diagrams, and exciting video. On-screen multiple-choice reviews at the end of each segment reinforce important concepts and make learning fun.

Place Value Tens and Ones: Common Core 4 Kids
L0114876,SV
4:31 min P 2016 2453
Common Core Math 4 Kids Series - Students will learn all about Place Value for First Grade in this fun interactive video. We teach the Tens and Ones place in this video and get them ready to learn about ones and tens in class and at home. Feel free to pause the video at any time to have students answer questions that are presented.

Place Value with Grouping: Common Core 4 Kids
L0114880,SV
5:26 min P 2016 2453
Common Core Math 4 Kids Series - We cover place value with grouping into tens. The kids will learn more about place value with grouping straws into bundles.*Pause the video at anytime to have the kids answer any questions.

Preschool Prep: Counting around the House
L0144014,SV
11:02 min 2015 2453
Join 8-year-old Timmy and his trusty bloodhound, Sherlock, as they sniff out and count objects "around the house." From 1 doorbell to 10 windows, kids will learn to count to 10 and understand that numbers can be used to determine the quantity of a particular group of objects. On-screen graphics reinforce learning, and beautiful animation from professional animator Gene Hamm make this a program to "count on."

Prime Numbers
L0147710,SV
1:13 min PJ 2017 2453
Bitesize - Elementary Math Series - This short video explains what prime numbers are.

Probability
L0156341,SV
3:38 min JIS 2016 2453
Real Life Math Series - Learn about the math found in probability.

Pythagoras
L0156342,SV
3:25 min JIS 2016 2453
Real Life Math Series - Learn about Pythagoras theorem and how to solve it.

Pythagoras’ Theorem
L0147769,SV
2:46 min S 2017 2453
Bitesize - Secondary Math Series - This short video explains what Pythagoras’ theory is and how to use it.
### Mathematics Resources

<table>
<thead>
<tr>
<th>Title</th>
<th>Duration</th>
<th>Producer</th>
<th>Year</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Racionales y Porcentajes</strong></td>
<td>7:34 min</td>
<td>JIS</td>
<td>2016</td>
<td>2453</td>
</tr>
<tr>
<td><em>Standard Deviants Español Matemáticas Series</em> - &quot;Alas, poor Yorick! I knew him (H)oratio.&quot; Okay, math isn’t Shakespeare, but that doesn’t mean it can’t be fun. The Standard Deviants cover ratios, converting fractions to percents, and converting decimals to percents.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Rates of Change: Straight Line or Curve</strong></td>
<td>2:25 min</td>
<td>PJ</td>
<td>2017</td>
<td>2453</td>
</tr>
<tr>
<td><em>Bitesize - Computing Series</em> - An overview of how to calculate and interpret speeds on real life graphs.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Ratio</strong></td>
<td>3:28 min</td>
<td>JIS</td>
<td>2016</td>
<td>2453</td>
</tr>
<tr>
<td><em>Real Life Math Series</em> - Learn about the math found in ratios.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Ratios and Rates</strong></td>
<td>14:53 min</td>
<td>JI</td>
<td>2017</td>
<td>2453</td>
</tr>
<tr>
<td>This video investigates the meaning of ratios and rates. Special emphasis is given to the processes of comparing ratios and simplifying ratios. Real-life examples help students comprehend these often hard-to-teach concepts.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Real Life Math</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>For descriptions see individual titles:</em></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Algebra</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finance</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fractions</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geometry</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Percentages</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Probability</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pythagoras</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ratio</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sequences</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Reflection and Refraction</strong></td>
<td>2:17 min</td>
<td>P</td>
<td>2016</td>
<td>2453</td>
</tr>
<tr>
<td><em>Common Core 4 Kids Series</em></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Shape Vending Machine: Common Core 4 Kids</strong></td>
<td>2:17 min</td>
<td>P</td>
<td>2016</td>
<td>2453</td>
</tr>
<tr>
<td><em>Common Core Math 4 Kids Series</em> - In our Shape Machine Video kids get to follow the character inside a shape vending machine where you can buy shapes. Come learn about shapes with us in our 2nd video on shapes.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Shapes 2nd Grade: Common Core 4 Kids</strong></td>
<td>4:50 min</td>
<td>P</td>
<td>2016</td>
<td>2453</td>
</tr>
<tr>
<td><em>Common Core Math 4 Kids Series</em> - An awesome video to teach the shapes they learn in 2nd grade. We cover Triangles, Quadrilaterals, Pentagons, and a Hexagon. I highly recommend pausing the video when they talk about covering the angles and drawing the angles on the board.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Shapes for Kids: Common Core 4 Kids</strong></td>
<td>0:55 min</td>
<td>P</td>
<td>2016</td>
<td>2453</td>
</tr>
<tr>
<td><em>Common Core Math 4 Kids Series</em> - Come learn basic shapes for little kids on our bumpy train ride. The Number One takes us on a train ride seeing all the shapes along the way. This is the first of other videos we will make for learning basic shapes for kids.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Shape for Kids: Common Core 4 Kids</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Relationship Between Multiplication and Division</strong></td>
<td>6:16 min</td>
<td>PJ</td>
<td>2016</td>
<td>2453</td>
</tr>
<tr>
<td><em>A World Without Maths Series</em> - Learn the relationship between multiplication and division.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Footnotes: The Classics of Ballet with Frank Augus Series</em> - Choreographed by Petipa (1935)/Music by S. Prokofiev. Shakespeare’s classic love story is a 20th century ballet modeled after a 19th century concept.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Roméo &amp; Juliette: Histoire des grands ballet (Footnotes series in French)</strong></td>
<td>27:16 min</td>
<td>JIS</td>
<td>1995</td>
<td>2453</td>
</tr>
<tr>
<td><em>Histoire des grands ballet (Footnotes series in French)</em> - Chorégraphié par Petipa (1935)/Musique de S. Prokofiev. Une histoire d’amour de Shakespeare qui est un ballet classique du 20ième siècle s’inspirant d’un concept du 19ième siècle.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Saco de Números Enteros</strong></td>
<td>12:48 min</td>
<td>JIS</td>
<td>2016</td>
<td>2453</td>
</tr>
<tr>
<td><em>Standard Deviants Español Matemáticas Series</em> - Reach into the bag and pull out an important concept! The Standard Deviants cover exponents, rounding, the order of operations, and scientific notation.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Sequences</strong></td>
<td>3:12 min</td>
<td>JIS</td>
<td>2016</td>
<td>2453</td>
</tr>
<tr>
<td><em>Real Life Math Series</em> - Learn about the math found in sequences.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Reflection and Refraction

**204027,KT**

**JIS**

Students will use this kit to investigate the properties of light.

### Contents

#### Laser Maze by Thinkfun

Using the maze challenge cards, arrange the laser and specified tokens on the grid in order to light up the indicated number of targets. Reflect it, block it, split it - you'll need to use some serious logic to strategise the path of the tricky laser beam. The double-sided maze cards depict the challenge on one side and the solution on the other. Numbered in order of difficulty, ranging from beginner to expert, each round becomes more challenging.

Strengthens logical-thinking, experimentation and strategy skills

#### LED Ray Box: Reflection and Refraction

Activity cards detail easy-to-follow activities by showing where to place prisms, box, and mirror to deflect or redirect light and create certain angles. Ray box includes 3 LED lights in red or white so students quickly see how simple movements affect a specific light.

Resource manuals attached below
Anyone standing in front of a mirror will instantly recognize L0053315,SV Shedding Light on Refraction way again! (45 minutes)

Reflection. Viewers will never look into a mirror in the same variety of optical illusions and magic tricks that incorporate this entertaining and informative program, which includes a work? These questions, and many more, are answered in Shedding Light on Reflection dimensions affect the way we see mirror images? Can light, vision, and the physical world. Topics include: What is reflection? How do mirrors form images? How do they work and how projectors cast images onto cinema screens. It then looks, quite literally, into a tuna fish's eye as a basis for showing how vision works. After further explaining how light travels through concave lenses, the film discusses how corrective eyewear helps people who have vision defects. Viewers are also given a chance to consider aspects of slow motion, fast motion, and stop motion imagery, as well as the mathematics of lenses and image formation. (56 minutes)

Shedding Light on Curved Mirrors
L0053227,SV
48:16 min  JIS  2012  2453
Most of us have experienced the amusement (and possible embarrassment) that goes with standing in front of a distorted funhouse mirror. What many people don't realize is that convex and concave mirrors are actually quite useful. Beginning with a basic discussion of reflection in flat mirrors, this video shows how curved mirrors are used in a wide variety of industrial and safety-related applications. Viewers learn how convex mirrors are important tools in automobile driving, traffic management, and security due to their outwardly curved surfaces and likewise, how concave mirrors produce images and how concave reflectors are incorporated into designs for headlights, satellite dishes, solar cookers, and more. The concept of angle of incidence is discussed in detail. As a departure point for more advanced subjects like linear curved reflectors and parabolic reflectors, this is a helpful and entertaining primer. (48 minutes)

Shedding Light on Lenses
L0055427,SV
56:08 min  JIS  2013  2453
Without lenses, vast areas of human knowledge, from astronomy to microbiology, would never have developed not to mention photography and the movies! This video uses compelling animation sequences and other visuals to explain how convex and concave lenses produce images in a wide variety of situations. After a concise overview of refraction, the program illustrates how magnifying glasses work and how projectors cast images onto cinema screens. It then looks, quite literally, into a tuna fish's eye as a basis for showing how vision works. After further explaining how light travels through concave lenses, the film discusses how corrective eyewear helps people who have vision defects. Viewers are also given a chance to consider aspects of slow motion, fast motion, and stop motion imagery, as well as the mathematics of lenses and image formation. (56 minutes)

Shedding Light on Reflection
L0052776,SV
45:27 min  JIS  2012  2453
Using exciting live-action demonstrations and easy-to-understand animation, this video delves into the fundamental concepts of reflection and its relationship to light, vision, and the physical world. Topics include: What is reflection? How do mirrors form images? How do they reflect light differently depending on their properties? In what way are mirror images different from two-dimensional photographs? How does our ability to see in three dimensions affect the way we see mirror images? Can animals see things in mirrors? And how do periscopes work? These questions, and many more, are answered in this entertaining and informative program, which includes a variety of optical illusions and magic tricks that incorporate reflection. Viewers will never look into a mirror in the same way again! (45 minutes)

Shedding Light on Refraction
L0053315,SV
55:40 min  JIS  2012  2453
Anyone standing in front of a mirror will instantly recognize the concept of reflection at work, but to observe the process of refraction and to develop an in-depth knowledge of it is quite a different story. This video helps students understand how light behaves when it passes through transparent materials and how refraction plays a role in nature and in human life. With engaging explanations and no-nonsense animation, the program explains the refractive index, incident ray, angle of incidence, refracted ray, angle of refraction, normal line, and what it means for light to turn toward the normal or away from the normal. Helpful graphics illustrate the velocities at which light travels through a vacuum, air, water, and glass, and how these speeds are used in physics and optics calculations. The topic of total internal reflection is also covered. (56 minutes)

Mathematics Resources

Short Division Using Written Methods
L0147743,SV
0:53 min  PJ  2017  2453
Bitesize - Elementary Math Series - Find out how to use written methods when doing short division.

Skip Counting and Hundreds Chart: Common Core 4 Kids
L0114878,SV
3:37 min  P  2016  2453
Common Core Math 4 Kids Series - Our video teaches how skip counting helps to be able to count faster. Our math video also explains a hundreds chart and teaches the kids about skip counting with a hundreds chart.*Pause the video at anytime to have the kids answer any questions.

Skip Counting by 2: Common Core 4 Kids
L0114857,SV
1:31 min  P  2016  2453
Common Core Math 4 Kids Series - Kids will learn to skip count by 2 all the way to 20 with the train and the robotic arm. Skip counting is an important concept to learn early on as it helps with adding, subtracting and many other concepts.

Sleeping Beauty: Footnotes: The Classics of Ballet with Frank Augus
L116837,SV
27:48 min  JIS  1995  2453

Solving Algebraic Problems
L0147776,SV
3:22 min  S  2017  2453
Bitesize - Secondary Math Series - This short video explains how to solve an algebraic problem.

Solving Geometric Problems
L0147773,SV
2:16 min  S  2017  2453
Bitesize - Secondary Math Series - This short video explains how to solve geometric problems.

Solving Graphical Problems
L0147772,SV
2:18 min  S  2017  2453
Bitesize - Secondary Math Series - This short video explains how to solve graphical problems.

Solving Number Problems
L0147775,SV
2:36 min  S  2017  2453
Bitesize - Secondary Math Series - This short video explains how to solve a number problem.

Solving Statistical Problems
L0147774,SV
2:41 min  S  2017  2453
Bitesize - Secondary Math Series - This short video explains how to solve a statistical problems.

Solving Word Problems Addition: Common Core 4 Kids
L0114868,SV
4:23 min  P  2016  2453
Common Core Math 4 Kids Series - Come learn about solving word problems with our pet T Rex. We learn different ways to show the problem with addition. Pause the video at any time to have the students answer or work it themselves.
Mathematics Resources

**Standard Deviants Español Matemáticas Series**
*For descriptions see individual titles:*
- Dividiendo Enteros
- Enteros y Adición
- Fundamentos de Fracciones
- Multiplicación Enteros
- Multiplicar y Dividir Fracciones
- Racionales y Porcentajes
- Saco de Números Enteros
- Sumar y Restar Fracciones
- Sustracción de Enteros
- Trabajando con Decimales

**Standard Deviants Español Pre-Algebra Series**
*For descriptions see individual titles:*
- Algebra Básica

**STEM Challenge: Design and Build**
999533,KT
P 2015 1678
**Stem Tree House Challenge**

An easy-to-read story helps students take on this STEM challenge with confidence! The relatable characters in the accompanying storybook introduce the design elements that make a perfect tree house, inspiring students to jump right into building.

**Little Red Riding Hood Stem Kit**

Perfect for building problem-solving skills, this kit includes a story card that presents a dilemma for students to solve. They will have to plan, create and test basket designs to hold Little Red Riding Hood’s apples!

**Story to Learn Numbers (1-10)**
L0146054,SV
2:42 min JIS 2016 2453
**Little Smart Planet Series - Review the numbers by listening to short stories to learn in a fun and easy way.**

**Style et maisons (Homes by Design in French)**
*For descriptions see individual titles:*
- Auberges de campagne: Style et maisons (Homes by Design in French)

**Subtraction with Regrouping Worksheet Video:**
*Common Core 4 Kids*
L0114888,SV
3:17 min P 2016 2453
**Common Core Math 4 Kids Series - Come learn about Subtraction with Regrouping as we go over a worksheet with the Number One. This is great to be used in class to help students see how to work a few problems.**

**SumBlox**
999519,KT
PJ 2017
**Pre-K to 5th grade**

For budding makers and mathematicians alike, SumBlox are an ingenious way to explore the foundations of mathematics in 3 dimensions.

Sumblox are a hands-on transition from concrete to semi-concrete mathematical thinking. Carefully manufactured from natural wood they’re an ideal addition to any learning environment.

**Classroom Benefits**
- Simple concepts
- Excited to learn
- Meets standards
- Hands on application
- Builds confidence
- Creates excitement
- Increase retention

**Sumar y Restar Fracciones**
L0155174,SV
13:23 min JIS 2016 2453
**Standard Deviants Español Matemáticas Series - 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).**

**Super Geek Heroes**
*For descriptions see individual titles:*
- Learn about Days Weeks and Months with Jake Jotter
- Learn to Add and Subtract with Millie Maths
- Learn to Count to 20 with Millie Maths
- Learn to Count Using Numbers, Shapes and Colors with Millie Maths
- Learn to Tell the Time with Millie Maths

**Sustracción de Enteros**
L0155168,SV
9:17 min JIS 2016 2453
**Standard Deviants Español Matemáticas Series - Hey, where’d that integer go? The Standard Deviants take a look at the ins and outs of subtracting integers. Plenty of fun examples make the learning go down easy.**

**Swan Lake: Footnotes: The Classics of Ballet with Frank Augus**
L116838,SV
28:25 min JIS 1995 2453
**Footnotes: The Classics of Ballet with Frank Augus Series - Choreographed by Petipa & Ivanov (1877)/Music by P. Tchaikovsky. A look at the most revered of all the classical ballets.**

**Teenage Numbers: Common Core 4 Kids**
L0114877,SV
3:17 min P 2016 2453
**Common Core Math 4 Kids Series - Learn teen numbers and place value in this fun teenage numbers video. Students learn about numbers from 11 to 19 and place value. Kids learn that teenage numbers are composed of a ten and ones. Feel free to pause the video at any time to let the kids answer the questions.**

**Tegu: Magnetic Blocks**
999674,KT
PJ 2018
**Tegu Blocks bring open-ended imaginative play to the classroom with the feel of all natural wood and the powerful wonder of magnets. The Classroom Kit allows small groups of children to build big and learn unique lessons from science to math to art.**

**Developed Over Time**
- Fine Motor Skills
- Pattern Recognition
- Balance
- Scale
- Imaginative Play
- Problem Solving
- Story Telling
Density. The means by which volume and density are calculated is highlighted. Everyday examples of each make the concepts easy to understand.

**Well Played: Building Mathematical Thinking**

*Through Number and Algebraic Games and Puzzles, Grades K-2*
Bitesize - Secondary Math Series - This short video explains wages and salaries.

Students love math games and puzzles, but how much are they really learning from the experience? Too often, math games are thought of as just a fun activity or enrichment opportunity.

**Well Played** shows you how to make games and puzzles an integral learning component that provides teachers with unique access to student thinking.

The twenty-five games and puzzles in Well Played, which have all been field-tested in diverse classrooms, contain:

* explanations of the mathematical importance of each game or puzzle and how it supports student learning;
* variations for each game or puzzle to address a range of learning levels and styles;
* clear step-by-step directions; and
* classroom vignettes that model how best to introduce the featured game or puzzle.

The book also includes a separate chapter with suggestions for how to effectively manage games and puzzles in diverse classrooms; reproducibles that provide directions, game boards, game cards, and puzzles; assessment ideas; and suggestions for online games, puzzles, and apps.

**Well Played** will help you tap the power of games and puzzles to engage students in sustained and productive mathematical thinking.

**Well Played: Building Mathematical Thinking**

*Through Number Games and Puzzles, Grades 3-5*

Students love math games and puzzles, but how much are they really learning from the experience? Too often, math games are thought of as just a fun activity or enrichment opportunity.

**Well Played** shows you how to make games and puzzles an integral learning component that provides teachers with unique access to student thinking. The twenty-five games and puzzles in Well Played, which have all been field-tested in diverse classrooms, contain:

* explanations of the mathematical importance of each game or puzzle and how it supports student learning;
* variations for each game or puzzle to address a range of learning levels and styles;
* clear step-by-step directions; and
* classroom vignettes that model how best to introduce the featured game or puzzle.

The book also includes a separate chapter with suggestions for how to effectively manage games and puzzles in diverse classrooms; reproducibles that provide directions, game boards, game cards, and puzzles; assessment ideas; and suggestions for online games, puzzles, and apps.

**Well Played** will help you tap the power of games and puzzles to engage students in sustained and productive mathematical thinking.

**Visible Learning for Mathematics, Grades K-12: What Works Best to Optimize Student Learning**

In this work, the authors walk teachers through the key research-based moves they should focus on in their mathematics classrooms - those with the highest effect sizes in the phases of surface, deep, and transfer learning. In accessible, every-day language, they offer their best guidance to teachers on what surface, deep, and transfer learning mean, look, and sound like in the mathematics context.

**Volume and Density**

This video explores the concepts of volume, mass, and density. The means by which volume and density are
Students love math games and puzzles, but how much are they really learning from the experience? Too often, math games are thought of as just a fun activity or enrichment opportunity.

Well Played shows you how to make games and puzzles an integral learning component that provides teachers with unique access to student thinking.

This book helps you engage students in grades 6-8 in discussions of mathematical ideas and deepen their conceptual understanding. It also helps you develop students’ fluency with number systems; ratio and proportional relationships; expressions and equations; statistics and probability; and patterns, graphs, and functions.

The twenty-five games and puzzles in Well Played, which have all been field-tested in diverse classrooms, contain: explanations of the mathematical importance of each game or puzzle and how it supports student learning; variations for each game or puzzle to address a range of learning levels and styles; clear step-by-step directions; assessment ideas; and suggestions for online games, puzzles, and apps.

Well Played shows you how to make games and puzzles an integral learning component that provides teachers with unique access to student thinking.

The book also includes a separate chapter with suggestions for how to effectively manage games and puzzles in diverse classrooms; reproducibles that provide directions, game boards, game cards, and puzzles; assessment ideas; and suggestions for online games, puzzles, and apps.

What Are Imperial Measurements?
L0147748,SV
0:50 min PJ 2017 2453
Bitesize - Elementary Math Series - The metric system is used to measure the weight, length or volume of an object.

What Are Multiples?
L0147738,SV
1:17 min PJ 2017 2453
Bitesize - Elementary Math Series - This short video explains what multiples are.

What Are Negative Numbers?
L0147705,SV
0:47 min PJ 2017 2453
Bitesize - Elementary Math Series - When you count backwards from zero, you go into negative numbers. This short video explains how to order negative numbers.

What Are Nets?
L0147727,SV
0:45 min PJ 2017 2453
Bitesize - Elementary Math Series - Find out what a net is and how they can be used to build 3D shapes.

What Are Number Bonds?
L0147704,SV
0:44 min PJ 2017 2453
Bitesize - Elementary Math Series - Number bonds are pairs of numbers which add up to a certain number. This short video explains about the number bonds of 10 and 20.

What Are Odd and Even Numbers?
L0147700,SV
0:54 min PJ 2017 2453
Bitesize - Elementary Math Series - Find out how to tell the difference between odd and even numbers and sort them accordingly.

What Are Parallel and Perpendicular Lines?
L0147746,SV
0:49 min PJ 2017 2453
Bitesize - Elementary Math Series - Parallel lines are always the same distance apart for their entire length. Perpendicular lines cross each other at right angles.

What Are Square and Cube Numbers?
L0147708,SV
1:02 min PJ 2017 2453
Bitesize - Elementary Math Series - Find out what a square and cube number is and how they can be used to build 3D shapes.

What Are the Different Types of Data Visualization?
L0147716,SV
0:55 min PJ 2017 2453
Bitesize - Elementary Math Series - Find out about the different types of data visualization are.

What Are the Parts of a Circle?
L0147715,SV
0:51 min PJ 2017 2453
Bitesize - Elementary Math Series - The diameter, radius and circumference of a circle can be measured using a ruler or tape measure.

What Are the Properties of 3D Shapes?
L0147742,SV
1:14 min PJ 2017 2453
Bitesize - Elementary Math Series - Find out about the different properties of simple 3D shapes.

What Are the Types of a Triangle?
L0147741,SV
0:56 min PJ 2017 2453
Bitesize - Elementary Math Series - This short video explains what the different types of triangles are called.
What Are Unit and Mixed Fractions
L0147760,SV
1 min PJ 2017 2453
Bitesize - Elementary Math Series - A unit fraction has 1 as the numerator. A mixed fraction is a whole number and a fraction together.

What is a Digit?: Common Core 4 Kids
L0114865,SV
0:57 min P 2016 2453
Common Core Math 4 Kids Series - This short video teaches kids what a Digit is. Kids will learn how digits are what make up a string of numbers and each digit is very important.

What Is a Number Line?
L0147691,SV
0:52 min PJ 2017 2453
Bitesize - Elementary Math Series - A number line can be used to add and subtract, find out how.

What Is a Number Sequence
L0147761,SV
0:44 min PJ 2017 2453
Bitesize - Elementary Math Series - This short video explains what a number sequence is.

What Is a Ratio?
L0147718,SV
0:55 min PJ 2017 2453
Bitesize - Elementary Math Series - A ratio shows the relationship between one value and another.

What Is Addition?
L0147692,SV
0:48 min PJ 2017 2453
Bitesize - Elementary Math Series - This short video explains how to add one thing to another and complete an addition equation.

What Is an Angle?
L0147737,SV
0:50 min PJ 2017 2453
Bitesize - Elementary Math Series - This short video explains what and angle is.

What Is an Equation?
L0147711,SV
1:05 min PJ 2017 2453
Bitesize - Elementary Math Series - This short video explains what exactly an equation is.

What Is Column Addition?
L0147714,SV
1:23 min PJ 2017 2453
Bitesize - Elementary Math Series - This short video explains how column addition can be used to make adding numbers easier.

What Is Currency?
L0147719,SV
0:55 min PJ 2017 2453
Bitesize - Elementary Math Series - Find out about currency and how it changes around the world.

What is Division?
L0156220,SV
3:12 min PJ 2016 2453
A World Without Maths Series - Learn what division is and how to use it.

What Is Division?
L0147693,SV
0:52 min PJ 2017 2453
Bitesize - Elementary Math Series - This short video explains how to split numbers into different parts.

What Is Financial Decision Making?
L0147740,SV
0:52 min PJ 2017 2453
Bitesize - Elementary Math Series - Financial decision making is about planning what to do with your money.

What is Multiplication?
L0156216,SV
5:08 min PJ 2016 2453
A World Without Maths Series - Learn the basic facts of multiplication.

What Is Percentage?
L0147721,SV
0:47 min PJ 2017 2453
Bitesize - Elementary Math Series - This short video explains what a percentage is.

What Is Place Value?
L0147695,SV
1 min PJ 2017 2453
Bitesize - Elementary Math Series - This short video explains what place value is.

What Is Probability?
L0147749,SV
1:04 min PJ 2017 2453
Bitesize - Elementary Math Series - Probability tells us how likely it is that something will happen. Find out about fractions and probability.

What Is Standard Form?
L0147771,SV
2:43 min S 2017 2453
Bitesize - Secondary Math Series - This short video explains standard form.

What Is Subtraction?
L0147701,SV
0:47 min PJ 2017 2453
Bitesize - Elementary Math Series - Subtraction is when you find the difference between two values. Find out how to subtract.

What Is Tessellation?
L0147744,SV
0:55 min PJ 2017 2453
Bitesize - Elementary Math Series - Tessellation is when shapes fit together in a pattern with no gaps or overlaps.

What Is the Perimeter?
L0147753,SV
0:54 min PJ 2017 2453
Bitesize - Elementary Math Series - The outside edge of a shape is known as the perimeter. Discover how to work out the perimeter of a 2D shape.

What Is Volume?
L0147735,SV
0:55 min PJ 2017 2453
Bitesize - Elementary Math Series - Find out how the volume of a 3D shape can be calculated by counting cubes.

What Makes a Shape Symmetrical?
L0147720,SV
0:56 min PJ 2017 2453
Bitesize - Elementary Math Series - A 2D shape is symmetrical if you draw a line through it and it looks exactly the same on either side of the line.

Word Problems 1st Grade : Common Core 4 Kids
L0114869,SV
4:54 min P 2016 2453
Common Core Math 4 Kids Series - This is our second video teaching how to solve word problems with addition. Students will learn to use circle drawings, equations and math mountains to solve the word problems. Pause at any time to have students answer the questions.
Common Core Math 4 Kids Series - This video helps first graders learn how to solve word problems that involve subtraction. There are several times in the video you can pause and allow students to work the problem on their own. Enjoy the video!

A World Without Maths
   For descriptions see individual titles:
   Arrays
   Mental Methods Division
   Mental Methods Multiplication
   Multiples: Two, Five, Ten
   Relationship Between
      Multiplication and Division
   What is Division?
   What is Multiplication?