

Video for Mathematics Instructional Professional Development

Most of these sites offer no-cost video and materials.

URL	Brief Description
Annenberg Media	Links to high-quality educational video programs with coordinated Web and print materials for the professional development of K-12 teachers.
Marilyn Burns	The video library contains 80 short video clips of students answering interview questions based on the Mathematics Reasoning Inventory (MRI) interview questions. Videos clips can be accessed by mathematics topics related to K-8.
Virginia Department of Education	The K-8 instructional videos are provided as support for the implementation of particular topics from the 2009 Mathematics Standards of Learning (SOL).
The Teaching Channel	Videos of exemplary K-12 lessons being taught using the mathematical practices and specific Common Core Content Standards at a variety of grade levels. Aligns well with Virginia Standards of Learning. The mathematical practices align with Virginia's Process Goals.
Inside Math Project	Videos of K-12 exemplary lessons being taught using the 8 mathematical practices spelled out in the Common Core State Standards as well as specific content standards at a variety of grade levels. Aligns well with Virginia Standards of Learning content and Virginia's Process Goals.
The Mathematics Assessment Project	A collection of K-12 Professional Development Modules designed to help teachers with practical and pedagogical challenges. Each module includes a PD session guide and handouts for teachers, as well as sample classroom materials and suggested lesson plans. Also included are videos of real teachers trying these techniques with their own classes, often for the first time, and discussing the results.
TIMSS Video	The teachers filmed in this set of grades 8 lessons volunteered to have their lessons included in the TIMSS 1999 Video Study Public Release collection. This collection of lessons was videotaped for the specific purpose of education research. Therefore, the videotaping technique used was designed to minimize classroom disruption, and editing of the lessons was minimal. Free registration to view video.
University of Wisconsin	Leah Schlichtholz works with 4th and 5th graders in a resource setting, helping them build conceptual understanding of fractions. In this lesson, she works towards this conceptual understanding through decomposing and recomposing groups.

Video for Mathematics Instructional Professional Development

Most of these sites offer no-cost video and materials.

Second Grade Number Talk YouTube	<p>Second grade number talk (13.59 minutes) shows how the teacher introduces number talks and then uses two-color dot cards in a number talk with 2nd grade students to work on finding combinations using number facts. Strategies include counting all, counting on, and recall.</p>
Math Solutions YouTube	<p>K-2 number talk using Rekenreks.</p>
Jo Boaler: Inquiry Math Lesson	<p>A video clip of Jo Boaler modeling an inquiry math lesson in a secondary school in England:</p>
The Bowlands Maths Professional Development	<p>The Bowland Maths Professional Development package has seven modules that cover the main pedagogical challenges in handling activities in the classroom that are involved in investigative, non-routine problem solving. The modules are activity-based; they are built around specific problems of the kinds found in the Case Studies, but short enough to fit into a single lesson. The activities are designed for teachers working in groups, but teachers working alone can view extra videos of teachers discussing the issues and trying the activities with their classes.</p>
Constance Kamii	<p>Constance Kamii made some videos of children finding methods for doing double-digit arithmetic based on reasoning and their understanding of number.</p>
Deborah Ball (Seminal Video)	<p>Video of third graders engaged in a discussion of even and odd numbers. Includes lesson introduction and transcript.</p>
West Virginia Department of Education	<p>Video clips that demonstrate quality mathematics classrooms within a 21st century context. The video clips are accompanied by a lesson plan and commentary from the featured teacher that targets the various strategies implemented as well as the integration of identified 21st century skills.</p>
West Virginia Department of Education: Elementary Math	<p>Videos standards based mathematics instruction in grades K-5. These mathematics lessons focus on specific strands.</p>

Video for Mathematics Instructional Professional Development

Most of these sites offer no-cost video and materials.

Title	Description
MathVids	MathVIDS is an interactive website for teachers who are teaching mathematics to struggling learners.. The primary theme of MathVIDS is to help educators connect why struggling learners have difficulty learning mathematics to effective instructional practices for these students. Site include video clips and print resources.
MathLanding: Resources for Math Specialists and Teachers	Professional Development Collections support the needs of elementary educators. These skill and knowledge-building collections are designed around core themes and provide a set of carefully selected resources including video clips. Free registration to use this searchable site.