

Introduction to Community Math Nights Video Descriptive Transcript

This descriptive transcript is intended to support web accessibility for the video, [Introduction to Community Math Nights](#).¹

Table 1. Descriptive transcript

Audio	Visual
Upbeat opening music plays	IES logo and “Regional Educational Laboratory Appalachia at SRI International” appear and then fade.
A Community Math Night is an engagement event that brings together elementary school educators, students, their family members, and other caring adults to learn about, talk about, and have fun with math.	A cartoon image of school building appears with educators in front, a house appears with family in front, and a café and a library appear with other adults in front.
The goals of a Community Math Night include reinforcing positive math mindsets, helping family members participate in their child’s learning, and building a sense of community and partnership around math learning. The Regional Educational Laboratory Appalachia co-designed the Community Math Night program with educators in the Appalachian region.	A teacher is standing next to a whiteboard with the goals written on it. A student with parents enter the scene.
The Community Math Night integrates research and evidence-based math practices into a fun and engaging event that can help schools and communities create a shared understanding of math concepts,	Words appear on the screen to form an equation: (“Evidence-based math practices” + “fun and engaging activities”) + “educators, students, families, and other caring adults” = “Community Math Night”
and raise expectations for math knowledge and achievement, both of which promote children’s success in school.	A teacher is standing next to a whiteboard with a math problem written on it and students are seated in chairs. The teacher points to one student who stands up, and then the other students stand and cheer.

¹This descriptive transcript was developed for the *Introduction to Community Math Nights* video following World Wide Web Consortium (W3C) and W3C Web Accessibility Initiative standards. See: <https://www.w3.org/WAI/media/av/transcripts/#descriptive>

Audio	Visual
<p>The REL Appalachia Community Math Night is built on three bodies of research related to math, mindset, and family engagement.</p>	<p>“Community Math Night” appears as a title, and the words “Math,” “Mindset,” and “Family Engagement” appear as they are spoken.</p>
<p>An early emphasis on math learning is one way to prepare children for future success in school and life.</p>	<p>Word “Math” appears with cartoon images of a calculator, paper, ruler, pencil, and rafter square.</p>
<p>Math skill mastery at an early age is a strong predictor of later achievement in math and other subjects.</p>	<p>Cartoon image of young girl walking down a hallway in a school. She turns into an adult and cheers.</p>
<p>Student learning is enhanced when activities and tasks encourage higher-order thinking.</p>	<p>Cartoon image of the same young girl standing in front of a white board with a math problem. She has a thought bubble above her head that then shows an illuminated light bulb.</p>
<p>A Community Math Night highlights that math learning is critical for putting children on the path to success.</p>	<p>The young girl’s parents join her in front of the whiteboard and cheer with her.</p>
<p>Community Math Night activities integrate evidence-based practices and include prompts to encourage higher-order thinking.</p>	<p>Outline of caterpillar made of geometric shapes appears with colorful shapes flying into position. The following speech bubbles with prompts appear around the caterpillar: “What shape is this?” “How many sides does it have?” and “How many triangles are there?”</p>
<p>Mindsets about math and who is good at math are also important and can shape children’s mathematics performance.</p>	<p>Word “Mindset” appears with cartoon image of lightbulb in front of a brain in a circle.</p>
<p>Students who believe that they can be successful in math are more likely to expend effort, even when they struggle, and this can result in better performance.</p>	<p>Cartoon girl is in front of a whiteboard with a math problem and starts to look frustrated. A speech bubble appears above her: “Ugh, this is too hard!!!”</p>
<p>Adults can promote math learning by modeling positive math attitudes, normalizing feelings, such as frustration about math, and supporting the development of a growth mindset.</p>	<p>Teacher appears in front of the whiteboard and cheers her on, with a comment bubble saying “I know this is challenging, but you’ve got this. Why don’t you try this strategy?” The girl appears thoughtful, then smiles.</p>
<p>A growth mindset is the belief that we can be successful when we expend effort and struggle. The brain is a muscle that can grow when we exercise it.</p>	<p>An image of a brain with a lightbulb appears over the girl’s head. Another image of a brain appears with arms and starts lifting weights.</p>

Audio	Visual
<p>The Community Math Night shares strategies for promoting positive math attitudes and a growth mindset, and the math activities support adults in positively participating in math teaching and learning.</p>	<p>Zooms out to show girl and teacher. Girl has speech bubble appear saying, “This is hard, but I CAN do it!” as she cheers. Teacher gives her a thumbs up.</p>
<p>Lastly, family involvement is a strong predictor of school success, particularly for literacy and math.</p>	<p>Words “Family Engagement” appear with two interlocked hands in front of a heart in a circle.</p>
<p>Well-designed school-community partnerships that involve family members in their child’s learning are associated with increased student self-confidence as well as increased academic achievement—both in math and generally.</p>	<p>The cartoon girl and her parents walk down school hallway to greet teacher. They all cheer together.</p>
<p>A Community Math Night is a welcoming and engaging opportunity for families— including all adult caregivers who may make a difference in a child’s life—</p>	<p>Cartoon classroom with multiple teachers, students and their families. There is a sign above a chalkboard that says, “WELCOME FAMILIES!!!”</p>
<p>to engage with educators, experience hands-on learning,</p>	<p>Zooms in a cartoon girl and an adult caregiver. A speech bubble appears above the caregivers head that says, “What shape is that?”</p>
<p>and build their capacity to support their child in math.</p>	<p>Zooms out to whole classroom with all students and adults cheering.</p>
<p>Families are provided prompts and support from educators to engage in math learning in a low-stress, fun environment.</p>	<p>Three example activity handouts from the <i>Community Math Night Facilitators’ Toolkit</i> appear.</p>
<p>Through purposeful planning, school and community leaders can leverage a Community Math Night as one element of their approach to creating an environment brimming with excitement for math learning that supports positive outcomes for all learners.</p>	<p>The words “Community Math Night” appear along with the words and previous icons for “Math,” “Mindset,” and “Family Engagement.”</p>
<p>REL Appalachia designed a toolkit to support educators across the country in planning and hosting their own Community Math Night,</p>	<p>Cartoon educators are seated around a table with open workbooks.</p>
<p>including materials necessary to engage in professional learning. The toolkit has three main parts.</p>	<p>The cover page from the <i>Community Math Night Facilitators’ Toolkit</i> is shown.</p>
<p>“Learn” includes resources to build educators’ knowledge and capacity to apply the three bodies of research that underpin the Community Math Night.</p>	<p>“Learn” icon appears in corner. Educator walks along school hallway. He stops walking and then he is joined by other educators.</p>

Audio	Visual
<p>“Plan” includes checklists, templates, timelines, and other considerations for planning logistics and customizing the Community Math Night to meet the needs of your students and families.</p>	<p>“Plan” icon appears in corner. The educators take out a tablet, phone, and paper in their hands. One makes a phone call.</p>
<p>And “Lead” includes twelve grade-leveled math activities with facilitators’ guidance and participant materials.</p>	<p>The educators walk in front of a school building. “Lead” icon appears in corner. Students and families join the educators at the front of the school building and cheer.</p>
<p>The toolkit has everything you need to plan and implement a research-based and inclusive Community Math Night.</p>	<p>The cover page from the <i>Community Math Night Facilitators’ Toolkit</i> is shown.</p>
<p>Access the Community Math Night Facilitator Toolkit on the REL Appalachia website.</p>	<p>The REL Appalachia website homepage is shown, zooming in on a map of the REL Appalachia region: Kentucky, Tennessee, Virginia and West Virginia.</p>
<p>Upbeat music plays.</p>	<p>Text reads: “Thank you to the educators across West Virginia and Kentucky who co-designed and hosted Community Math Nights with REL Appalachia, and our partners at the Education Alliance, the Kentucky Department of Education, the Kentucky Center for Mathematics, the Kentucky Collaborative for Schools and Families, and the West Virginia Family Engagement Center who made this work possible.”</p>
<p>Upbeat music plays.</p>	<p>Closing slide includes the following IES disclaimer: “This video was prepared under Contract ED-IES-C-0004 by Regional Educational Laboratory Appalachia administered by SRI International. The content does not necessarily reflect the views or policies of IES or the U.S. Department of Education nor does mention of trade names, commercial products, or organizations imply endorsement by the U.S. Government.”</p>