

Resources Memo: COVID-19

Where can teachers, caregivers, and parents find free digital resources to support early math learning?

Regional Educational Laboratory West

From the National Center for Educational Evaluation at IES

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This collection of free, publicly available, digital math resources was compiled for use by teachers, caregivers, and parents with young children. The resources were reviewed for quality and alignment to research recommendations by a math professional development provider at WestEd—a nonpartisan, nonprofit research, development, and service agency. Districts and early childcare and education (ECE) providers can share these resources with parents to bolster foundational learning in mathematics. In addition to online games, many of these websites provide interactive games to play with children during day-to-day activities or offer downloadable math activities for children to use offline.

<p>DREME Network: Early Math Resources for Teacher Educators http://prek-math-te.stanford.edu/</p>	<p>These research-based resources are designed for ECE educators. Explore modules designed in content areas such as spatial relations and operations. Videos and articles demonstrate best practices. The website is a project of the Development and Research in Early Math Education (DREME) Network at Stanford University.</p>
<p>Games for Young Mathematicians http://youngmathematicians.edc.org/</p>	<p>This website provides a variety of games, videos, and recommended books designed to improve mathematical learning and mastery motivation for preschoolers. The <i>Family Math Research and Resources</i> link has activities specifically designed to incorporate math experiences in family relationships, the community, and everyday life.</p>
<p>Learning and Teaching with Learning Trajectories https://learningtrajectories.org/index.php/pages/sub_page/12</p>	<p>This website contains nearly 800 research-based activities carefully organized by math topics for children birth to 8 years of age. An alignment tool is provided to show what levels of math are typical for ages and grades, with activities for differing levels of math skill. The site includes articles and tips for families in English and Spanish.</p>

Math at Home https://mathathome.org/	This website provides links to lesson plans, games, and videos that promote math learning designed to foster the development of early math skills in children between 0–5. Math concepts are taught in the context of clapping games, music, and activities.
Public Broadcasting System (PBS)	
PBS Kids’ Math Games https://pbskids.org/games/math/	PBS provides early childhood math games presented with a menu of options, including measurement, shapes, and problem-solving games. The age level varies depending on which activity you select.
PBS for Parents https://www.pbs.org/parents/learn-grow/all-ages/math	These math resources are designed for parents and provide links to activities for ages 2–8. Included are activities to do with children at home, such as while children help set the table or sort laundry, as well as while at play.
PBS Kids’ Lab https://ca.pbslearningmedia.org/collection/pbs-kids-lab-activities/	Included here are lessons, games, and at-home activities for parents and children. Links are provided for math ages 3–5 and ages 6–8, as well as a link to the Pre-Kindergarten site (see next resource). Available in Spanish.
PBS Kids’ Lab – Pre-Kindergarten https://ca.pbslearningmedia.org/collection/virtual-pre-k/	Find lessons and games for teachers, parents, and students specific to Pre-K. A media gallery includes brief videos to show teachers and parents how to focus on math concepts in the home and other environments. The videos are in English but other resources are available in Spanish.
Peg + Cat – PBS Kids, 3+ https://pbskids.org/peg/	<i>Peg + Cat</i> is a preschool television series about a spunky girl whose activities incorporate foundational math skills. The related website has games, videos, and music.
Sesame Street	
Sesame Street in Communities – Developing Math Skills https://sesamestreetincommunities.org/topics/math/	These resources include ideas for everyday math activities and is designed for caregivers of children ages 0–6. Resources are searchable by age, length, and type of resource (article, storybook, etc.). Available in Spanish.
Sesame Street in Communities (Ages 0–3) https://sesamestreetincommunities.org/?s=Math&view=caregiver	Find activities here for caregivers of children ages 0–3, such as math at mealtime, counting, and finger plays. Each resource references the age of child the activity is geared to, how long it is, and what type of resource it is (article, storybook, etc.). Available in Spanish.

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