

DESE and WGBH Partnership for Educational Resources

Moving your classes online can be particularly challenging for hands-on STEM activities. WGBH Education has created a series of engineering and design activities that are free, easy-to-use (for both parents and educators), and call for materials that are easily found around the home.

We recommend encouraging your students to document the engineering design process with photos, drawings and videos! Students can document each phase of their process, show iterations, and justify their thinking. Families can undertake the documentation tasks together depending on the age of the student as they help to facilitate STEM activities at home.

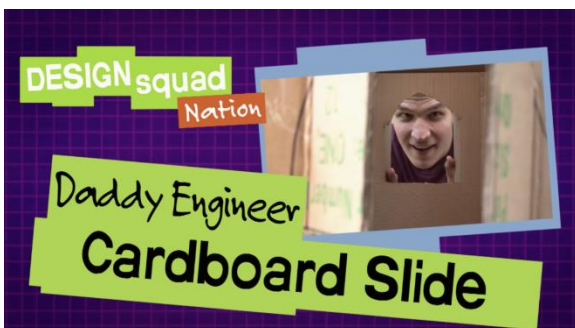
There is still time to register for this morning's [Jump Start for Educational Broadcasts](#) webinar to get a preview of our television content for next week. See below for details.

We also have a request for you. What are you teaching in the next four weeks? What topics or other content would you like to see? We're looking for ideas for our educational broadcasting on television, and what we should be highlighting in these newsletters. Send your thoughts to education@wgbh.org.

Design Squad Resources

The **Design Squad Nation Collection** has a series of engineering activities for students ages 8-13 organized by science topic ranging from electricity to sports/games. These activities are great for home use because:

- Each activity comes with detailed instructions accompanied by a photo-essay.
- Materials needed for these activities can be found around the home or in the recycling bin.
- Activities are designed for student-led learning.



Design Squad has a series of **engineering games** that get kids engaging with engineering concepts. Games focus on topics such as city planning, renewable energy, and aquaponic farming.

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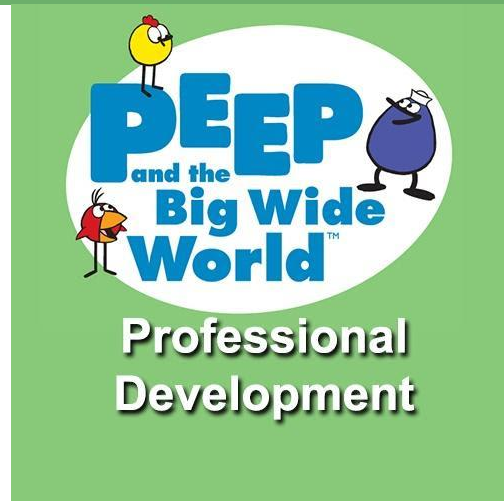
Design Squad's award winning web video series is available to watch at the [Design Squad website](#) or on [YouTube](#). The videos are a great introduction to engineering projects and the design process.



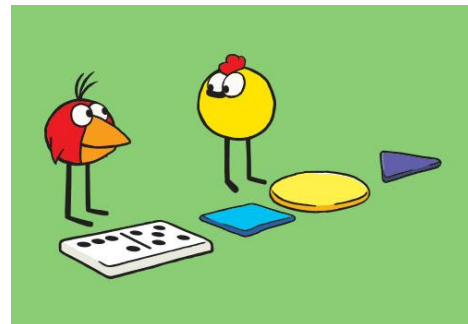
Peep and the Big Wide World Resources

PEEP and the Big Wide World, the award-winning series that teaches science and math to an early childhood audience, offers professional development videos hosted by and tailored to family child care educators. You can explore the collection by science topic and learn how to bring these science exploration activities home! Science topics include:

- Ramps
- Sounds
- Light & Shadows
- Plants
- Colors



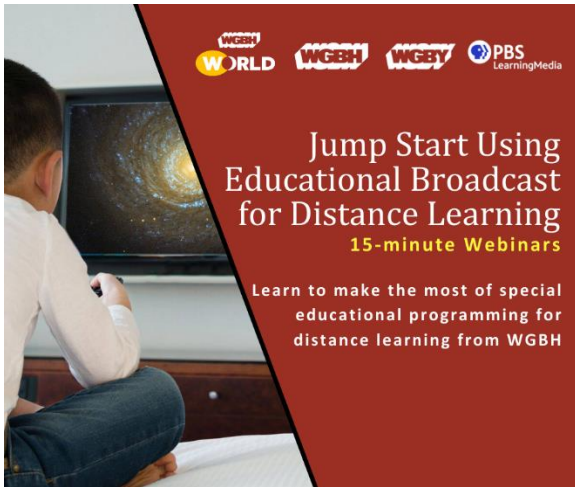
The **Peep Family Science apps** each feature four weeks of activities on a different science topic area. Each app includes videos of animated stories from the TV show PEEP and the Big Wide World, live-action videos featuring real children, hands-on activity instructions and parent videos, which model how to do the activities.



PEEP and the Big Wide World has also created a series of free **Family Science Handouts**. These activities turn everyday situations—like a walk in the park or a sink full of water—into simple science explorations that families can enjoy together.

Webinars: Register Now

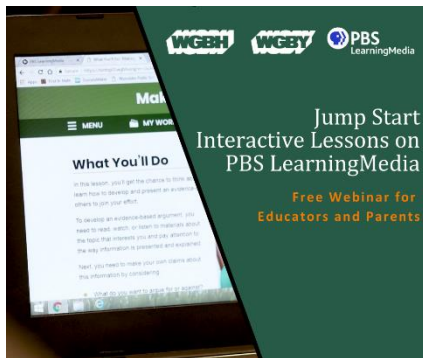
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Educational Broadcast Jump Start

THIS MORNING, 8 a.m. Still time to join. This session will preview content for April 13-17. Get a preview of what we've got planned for our daily blocks of educational broadcast programming on WGBH The World channel, for students with limited or no internet access, or to augment online learning. (This webinar uses Zoom.)

[Register](#)



Interactive Lessons Jump Start

Interactive Lessons are tailor-made for engaging students in standards-based distance learning. Join educator-presenters and WGBH Education training manager for a quick tutorial on how to search and effectively use Interactive Lessons with your students across the grades and disciplines, whether you are face-to-face or virtual.

[Register](#)



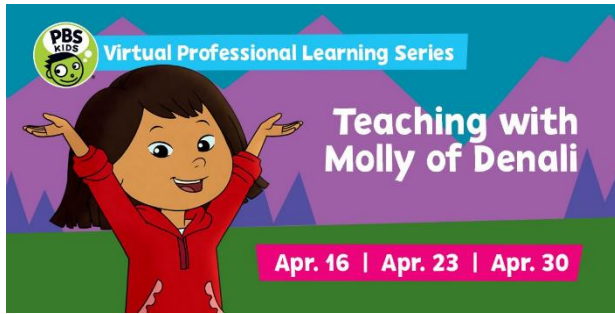
PBS LearningMedia Jump Start

In this special edition introduction to **PBS LearningMedia**, get more advanced tips for navigation and searching and specific resource recommendations. Still some slots left for tomorrow! More webinars coming next week.

[Register](#)

Explore Molly of Denali

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Informational text, cultural representation, social-emotional skills, and subject-related knowledge. In this three part virtual professional learning series for educators and caregivers, we'll uncover easy and fun ways to use Molly to teach complex concepts like informational text and cultural responsiveness. Sign up for one session, or all three.

[Register](#)

Share with Families

Besides the daily newsletter we told you about on Monday, there are lots of places families can get PBS content for children:

- The [PBS KIDS 24/7 channel](#) offers anytime access to trusted educational series for kids ages 2-8 (check local listings).
- [PBS KIDS for Parents](#) offers information, activities and tips, including this article on “[How to Talk to Your Kids About Coronavirus](#)”
- The [PBS KIDS Games](#) app offers nearly 200 educational games that can be downloaded for offline play anytime, anywhere. Learn more about these and PBS KIDS' other apps [HERE](#).
- The [PBS KIDS Video app](#) is available on mobile, tablet and connected TV devices and offers on-demand educational videos, and a livestream of the PBS KIDS 24/7 channel. No subscription required.