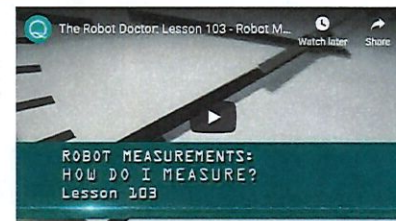


WQED and [RobotWits](#) partnered to provide [The Robot Doctor](#) educational video series that extends robotics and mathematics lessons to high school age students

the robot doctor



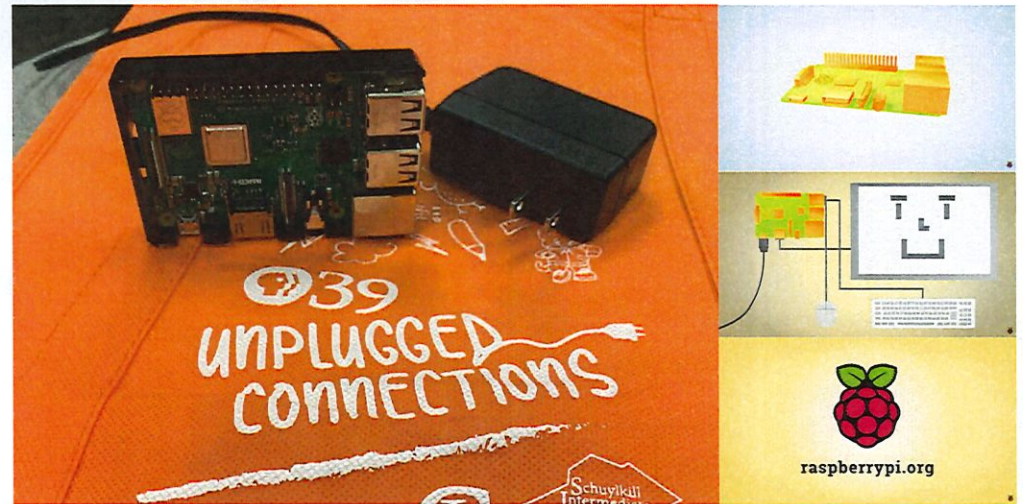
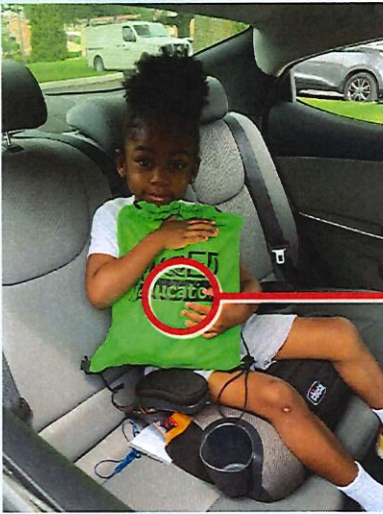
The Basics of Robotics: The What, Why and How, with Examples and Take-home Problems.

Hosted by Dr. Jonathan Butzke, each of the **eight x 14-minute teaching videos** includes a lesson assignment. Participating teachers can use the series to collect the assignments and make *The Robot Doctor* part of their curriculum.

This eight-part series and lesson plans are part of the October & November Learning at Home program block

High School Math & Robotics

Through the Fall and Winter, Pennsylvania PBS and IUs partnered to offer **Offline ☎ Grab & Go Kits** and **☎ Raspberry Pi** devices to serve families who were otherwise unable to access educational resources.



“We absolutely loved the STEM bags. Thank you!”

—Parent of kindergartener,
Montessori Regional Charter School / Erie

“The Raspberry Pi allows those kids to have almost entirely the same experience as a kid that does have internet access at their home.”

—Alexandra Konsur-Grushinski,
STEM Services Coordinator and
Coordinator of Online Learning, NEIU

“This is a beautiful marriage between the mission of public education and the mission of public media.”

—Kirsten Smith,
Grants and Education Officer, WVIA

To support access and equity in education, Pennsylvania PBS stations partnered with PDE to broadcast **Family Night: Coding** statewide on TV to thousands of households and families who otherwise would not have been able to participate due to lack of broadband internet.

Family Night
CODING
Computer Science
is EVERYWHERE
and it is EXCITING!

Explore coding together!
December 10 from 7–8pm
on your local PA PBS Station

Join us to:

- Learn how computers work and coding basics
- Participate in hands on activities with students all across the state
- Learn about computer science jobs from the people who do them

Designed for:

- Kindergarten – Fifth graders and their families

No coding experience needed
No computer or special supplies needed (have some paper on hand)

Pennsylvania PBS
WHYY • WITF • PBS39 • WPSU • WQED • WOLN • WVIA

PA PBS
December 3, 2020 · 5

Don't miss Family Coding Night on Thursday, Dec 10 from 7-8pm on your local Pennsylvania PBS station! Learn how computers work and participate in hands on activities - no experience or computer necessary (just have some paper on hand)! Find your local station: <https://pennsylvaniapbs.org/>

Family Coding Night is part of Computer Science Education Week (CSEdWeek) - an annual call to action to inspire K-12 students to learn computer science, advocate for equity in computer science education, and celebrate the contributions of students, teachers, and partners to the field. Learn more: <https://www.csedweek.org/>

#Learningathome #TogetherPennsylvania #CSEdWeek #PennsylvaniaDepartmentofEducation See Less

253 9 Comments 98 Shares

Coding activities included in the broadcast did not require a computer, rather, coding basics were introduced using simple household items.

“This was the first year that our school participated in Family Code Night, and we received quite a bit of positive feedback from families. They said it was easy to follow and a lot of fun for both them and their child. We plan on participating again in the future!”

—Tessa Simmons, Assistant Principal, Valley Grove Elementary, Valley Grove School District

“I participated in Family Code Night and greatly appreciated the Career Connections, especially highlighting Computer Science in Agriculture. As a fifth-generation dairy farm family, it was a great conversation piece with my son to follow-up on our recent trip to the family farm where he saw robotic milkers and calf feeders in action.”

—Kelsi Wilcox Boyles, Education Program Specialist, Riverview IU6

To continue to support access and equity in education, in May 2021 as part of Remake Learning Days, Pennsylvania PBS stations partnered with PDE to broadcast the second “Family Night” program— [Family Night: Engineering](#)—statewide to thousands of households and families who otherwise would not have been able to participate due to lack of broadband internet.

EXPLORE ENGINEERING TOGETHER!
MAY 13
ON YOUR LOCAL PA PBS STATION
6PM on WPSU
7PM on WHYY • WITF • PBS39 • WQED • WQLN • WVIA

Join us to:

- Learn about working together to solve problems
- Participate in hands-on activities with students all across the state
- Learn about engineering jobs from the people who do them

Designed for:

- Kindergarten – Fifth graders and their families

No computer or special supplies needed (have some paper on hand)

PA PBS
April 23 · 🌐

Explore engineering during #RemakeDays - watch Family Night Engineering on your local Pennsylvania PBS Station on May 13!

- *Learn about working together to solve problems
- *Participate in hands-on activities with students all across the state
- *Learn about engineering jobs from the people who do them
- *No computer or special supplies needed -just have some paper on hand

Learn more: <https://pennsylvaniapbs.org/dig.../family-night-engineering/>

#LearningatHome #FutureReady #STEM See Less

140 2 Comments 55 Shares



Pennsylvania PBS stations hosted 12 educational events across the Commonwealth as part of Remake Learning Days in May 2021, and supported workforce development via Career Ready PA's backpack challenge.



“Our kindergarten and 1st grade students enjoyed the quick STEM career tie-in videos, especially because we have spent a lot of time learning about ocean animals (in our kindergarten STEM class) and dinosaurs (in our 1st grade STEM class). After watching the career videos, we spent time on the PBS KIDS website playing some of the games suggested on the included linked Activity Sheet. In first grade, we took it one step further and tested out what a paleontologist does by “excavating” a chocolate chip cookie and recording our findings! We had fun with this Remaking Learning activity!”

—Sarah M. Seaton, Teacher, Oil City School District, Hasson Heights Elementary School, K-4 STEM



Welcome to the Neighborhood



“I want to thank you all so much for the wonderful Hero Elementary event you held on May 1, 2021. My children LOVED it, they had so much fun learning the steps to a scientific investigation, while watching the amazing swan cygnet episode. They enjoyed getting up and making their own super hero moves as well. It was so much fun and filled my heart with incredible joy to see how genuinely happy and surprised they were with all the wonderful gifts you gave them.”

—Caitlin Ayre and Bennett, Leithan, Aislynn, Calista

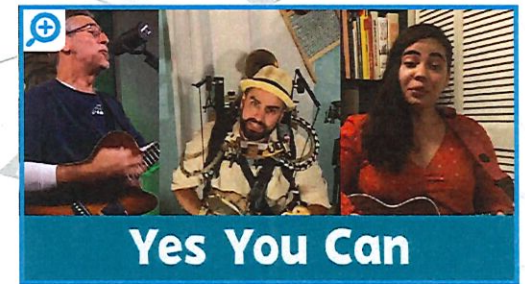




Pennsylvania PBS provides Social and Emotional Learning (SEL) through Music in [☺ 'Ready Set Music!' Initiative](#). 'Ready Set Music' aims to use music to help teach kids words and messages that can allow them to express how they feel in words.

Feelings can be hard for children to talk about, so they often demonstrate their feelings before using words to share how they feel. Helping children use words to describe what is happening inside them is an important part of Social and Emotional Learning.

Pennsylvania PBS shares several songs that talk about feelings paired with activities and social stories that provide an opportunity for children to further think about the message of the song and their emotions.



P.S. These songs are catchy for adults, too!

⊕ **Support our Schools (SOS)** provides teachers and caregivers with 10-day, pre-packaged, universally-designed content that's ready to use to ensure continuity of education during snow days, hybrid, or remote learning instances.

“*The support our schools project launched by the partners at WQED is an amazing gift. With so many uncertainties wrapped around hybrid and virtual teaching—it is reassuring to know that there is a quality resource available to use as needed. It is too good to just save for emergencies!!*”

—Denice Pazuchanics, teacher in the Bethel Park School District

“*I think [Support Our Schools] is ambitious, forward-thinking, and appropriately inclusive to all scholars! And that's awesome.*”

—Christian Wrabley, Greater Johnstown School District, and the high school teacher who helped create the social studies lessons for SOS (Support Our Schools)

“*I've really loved the videos—I have been sharing them with students.*”

—Melissa Unger, South Fayette School District



**SUPPORT
OUR
SCHOOLS**

⊕ **Activities and assignments for each of the ten days can be printed and completed each day or printed as an entire packet, or downloadable online.**

Family Night

SPACE



EXPLORE SPACE TOGETHER!

NOVEMBER 4

ON YOUR LOCAL PA PBS STATION

6PM on WPSU

7PM on WHYH • WITF • PBS39 • WQED • WQLN • WVIA

Join us to:

- Learn about working together to solve problems
- Participate in hands on activities with students all across the state
- Learn about jobs related to Space from the people who do them

Designed for:

- Kindergarten – Fifth graders and their families

• **No computer needed. Supplies like paper, a pencil, aluminum foil and tape will be helpful.**

Pennsylvania  **PBS**

WHYY • WITF • PBS39 • WPSU • WQED • WQLN • WVIA