

talk**STEM** Learning Suite

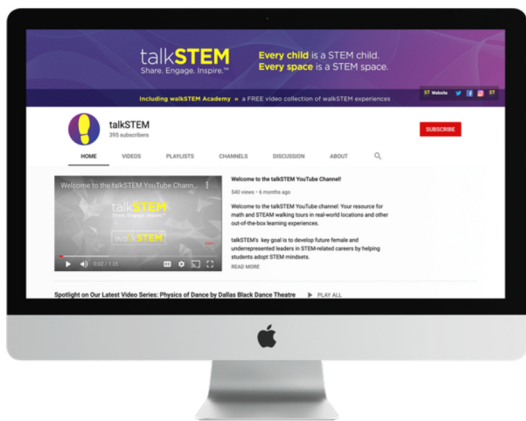
**A STEM toolkit for every
Educator, Parent, and Child**

talk**STEM**
Share. Engage. Inspire.™

wa**lkSTEM**®

talkSTEM builds the capacity of teachers, out of school educators, and parents to effectively engage and encourage students to interact with math and science concepts in their immediate environment.

To foster stronger STEM literacy and cultivate a STEM mindset, talkSTEM meets students and educators where they are by providing readily accessible ways for both groups to access high-quality enrichment activities, events, and curriculum. Click on any of the talkSTEM Learning Suite resources below to learn more and to access ready-to-use worksheets and other resources. Our teaching and video resources all use Mathematics as the foundation of STEM. By considering a tree mathematically, for example, we learn a good deal about its function. Our methods were developed in collaboration with the founder of MoMath (the only math museum in the US), Dr Glen Whitney.



01 walkSTEM Video Collection

The talkSTEM team has produced over 150 short, place-based videos comprising 15 walkSTEM tours in and around Dallas. This constitutes the walkSTEM Academy category of our video collection on the talkSTEM YouTube channel, an open-access, commercial-free, online platform. You can meet talkSTEM team member, Dr Glen, Whitney, founder of the National Museum of Mathematics, in New York, the only math museum in the country, in many of these videos. Further, we are excited about our growing community that shares the videos they created using our Create Your Own walkSTEM, methods. These videos are also available on our YouTube channel.

 **Click here to subscribe to our YouTube channel!**

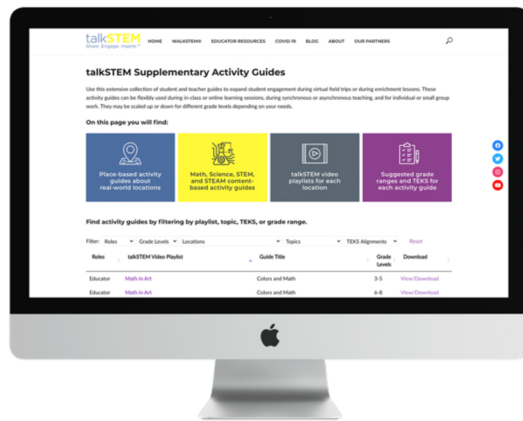
Click here to view our collection of curated playlists

View the walkSTEM Academy Playlists: <https://www.youtube.com/c/talkSTEM/playlists>
Visit the talkSTEM YouTube Channel: <https://www.youtube.com/c/talkSTEM/featured>

02 talkSTEM Supplementary Activity Guides

Use this extensive collection of student and teacher guides to expand student engagement during virtual field trips or during enrichment lessons. These can be flexibly used during in-class or online learning sessions, during synchronous or asynchronous learning, for individual or small groupwork. Great for teachers and out of school educators who work with students in K-12 grade levels.

Explore the activity guides:
<https://talkstem.org/talkstem-activity-guides/>



Every child is a STEM child. Every space is a STEM space.

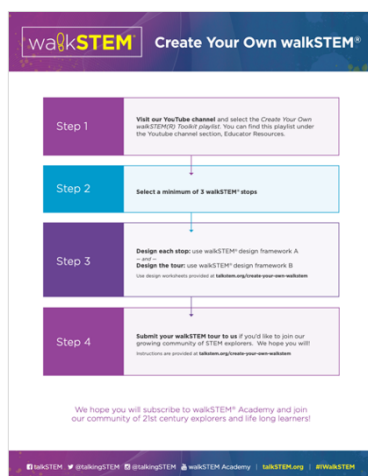
03 walkSTEM Initiative

See everyday places through a math/science/STEM/STEAM lens with fun experiences that highlight inquiry-based connections to real world objects and spaces. Our methods and content were developed in collaboration with the founder of the country's only math museum.

Learn more about the walkSTEM Initiative:
<https://talkstem.org/about-walkstem/>

Create your own app-guided walkSTEM tour at your site:
<https://talkstem.org/how-to-create-a-walkstem-tour-on-your-site/>

Watch the intro video:
https://youtu.be/KzyqJ6O_a44



04 Create Your Own walkSTEM® Program

We invite everyone to submit their creations to join the growing community of walkSTEM participants. Detailed Educator guides for our Create Your Own walkSTEM program are now available for both elementary ages and middle/high school ages. These guides contain planning sheets, student worksheets, rubrics, and online teaching tips.

Learn more about the CYOW program:
<https://talkstem.org/create-your-own-walkstem/>

05 talkSTEM Publications



talkSTEM currently has three key publications available for sale or as a free download. Dive into *Growing Lab Girls*, a toolkit for grades 7-12 and the brand new *Create Your Own walkSTEM Teacher Guide* that includes teacher organizing tips and tools as well as assessment rubrics, QR codes to our short, freely accessible videos, and more.

Learn more about talkSTEM Publications: <https://talkstem.org/talkstem-books/>

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06 walkSTEM Explorers

Math and science live all around us, not just at school and in textbooks! And walkSTEM can help you explore the the world using your math and science lens with fun, virtual games leveraging our videos and student's own creativity.

Start exploring:

<https://sites.google.com/talkstem.org/walkstemexplorers>



07 talkSTEM's 21-Day STEAM Challenge

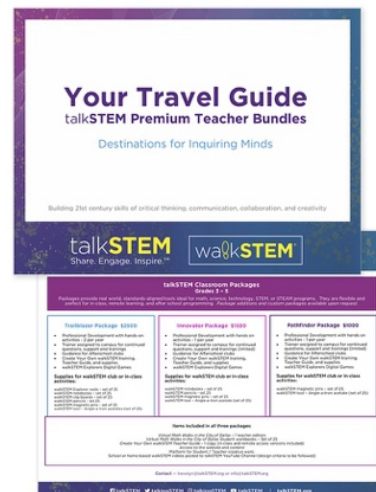
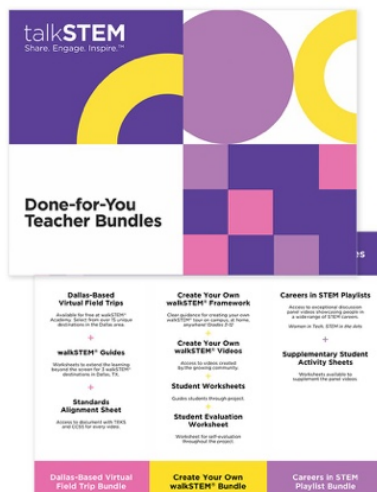
STEAM power your student's lives using this free, fun, and fast set of activities. Sign up to receive 3 simple, no kit-required, ideas for STEAM activities for 21 days. These activities are fun for all ages.

Learn more about the 21-Day STEAM Challenge:

<https://www.21daysteam.com/>

08 talkSTEM Teacher Bundles

talkSTEM is committed to supporting teachers in their work to grow STEM mindsets in all students. We offer done-for-you Teacher Bundles, free of charge for preK-12 teachers. We also offer Your Travel Guide, our Premium Teacher Bundles that include professional development, guidance from our team, and customizable packages for grades 3-12.



Learn more and download the Teacher Bundles:

<https://talkstem.org/talkstems-teacher-bundles/>

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09 Virtual Math & Science Festival

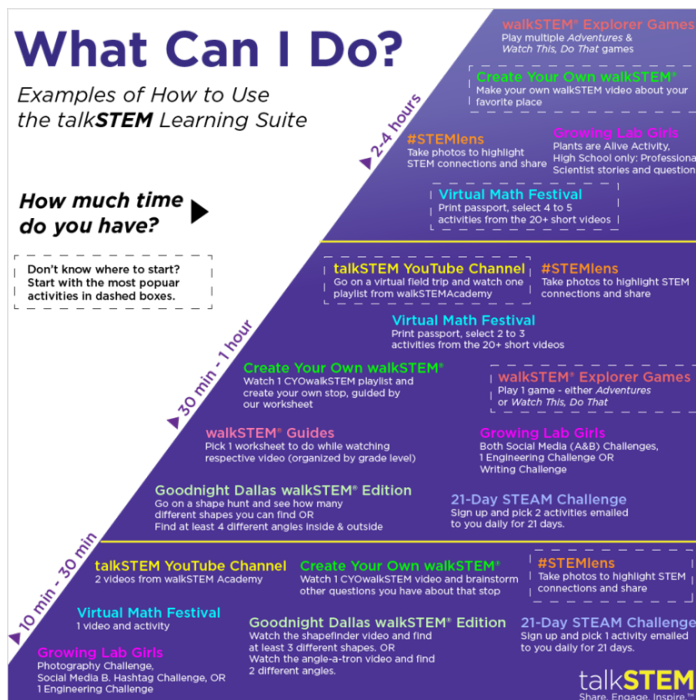
Free YouTube resource created as a community collaborative project in response to at-home learning. 17+ activity videos engage all children and invite them to make connections between science, technology, engineering, art, math, and their world. Free downloadable festival passport also available here to amplify the activity.

Learn more about the Virtual Math & Science Festival:
<https://talkstem.org/talkstem-virtual-math-and-science-festival/>

10 #STEMLens

#STEMLens is a bite-sized version of the Create Your Own walkSTEM Program. This activity will challenge you to focus on observation and real-world based learning. Share these observations with us to grow the collection of real world STEM experiences.

Learn more about sharing your #STEMLens:
<https://talkstem.org/stemlens/>



Not sure where to get started?

The graphic to the left breaks down examples of how you can use different parts of the Learning Suite depending on how much time you have and your interests.

For more information on these resources and more, please visit:
<https://talkstem.org/talkstem-learning-suite/>

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