SUMMER RESOURCES

A list of helpful links and activities to maintain an academic focus over the summer!

All links are virtual unless otherwise noted!

Presented By:
Children’s Scholarship Fund Philadelphia
# STEM Resources

## SCIENCE

### Biology:
Science Kids (Biology)→ [https://www.sciencekids.co.nz/biology.html](https://www.sciencekids.co.nz/biology.html)


### Chemistry:
Science Kids (Chemistry)→ [https://www.sciencekids.co.nz/chemistry.html](https://www.sciencekids.co.nz/chemistry.html)

Ducksters Education Site→ [https://www.ducksters.com/science/chemistry/](https://www.ducksters.com/science/chemistry/)

8 Simple Chem Experiments→ [https://www.3plearning.com/blog/simple-chemistry-experiments-kids-home/](https://www.3plearning.com/blog/simple-chemistry-experiments-kids-home/)

### Physics:
Science Kids (Physics)→ [https://www.sciencekids.co.nz/physics.html](https://www.sciencekids.co.nz/physics.html)


### General Games:
PBS Kids Science Games→ [https://pbskids.org/games/science/](https://pbskids.org/games/science/)

## ENGINEERING

### Aerospace:
360 Degree Tour of the Hubble Telescope→ [https://www.nasa.gov/content/goddard/hubble-360-degree-virtual-tour](https://www.nasa.gov/content/goddard/hubble-360-degree-virtual-tour)

NASA Glenn Virtual Tours→ [https://www.nasa.gov/glennvirtualtours](https://www.nasa.gov/glennvirtualtours)

### Mechanical:
Mechanical Engineering At Home Activities→ [https://www.steampoweredfamily.com/activities/mechanical-engineering-kids/](https://www.steampoweredfamily.com/activities/mechanical-engineering-kids/)

### Environmental:
Engineer Girl→ [https://www.engineergirl.org/6072/Environmental-Engineer](https://www.engineergirl.org/6072/Environmental-Engineer)

### Electrical:
Electrical Engineering Facts for Kids→ [https://kids.kiddle.co/Electrical_engineering](https://kids.kiddle.co/Electrical_engineering)

Electrical Engineering Experiments→ [https://onlinemasters.ohio.edu/blog/electrical-engineering-experiments-for-kids/](https://onlinemasters.ohio.edu/blog/electrical-engineering-experiments-for-kids/)

### General:
Science Kids (Engineering)→ [https://www.sciencekids.co.nz/engineering.html](https://www.sciencekids.co.nz/engineering.html)

Engineering for Kids→ [https://www.engineeringforkids.com/](https://www.engineeringforkids.com/)

## TECHNOLOGY

### Coding:
Hour of Code→ [https://hourofcode.com/us](https://hourofcode.com/us)

Code.org→ [https://code.org/](https://code.org/)

### Graphic Design Projects/Game Ideas:


## MATH

### Online Games:
Fun Brain→ [https://www.funbrain.com/](https://www.funbrain.com/)


Math Playground→ [https://www.mathplayground.com/](https://www.mathplayground.com/)

Cool Math Games→ [https://www.coolmathgames.com/](https://www.coolmathgames.com/)

### Logic/Higher Order Thinking:

NSA/CSS Resources→ [https://www.nsa.gov/Resources/Students-Educators/](https://www.nsa.gov/Resources/Students-Educators/)
# Reading & Writing Resources

## Reading

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<th>Read aloud books/authors:</th>
<th>Writing</th>
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<tr>
<td>- Roald Dahl Museum tour</td>
<td>Strategies and Ideas:</td>
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<tr>
<td><a href="https://www.roalddahl.com/museum/visit/virtual-museum-tour">https://www.roalddahl.com/museum/visit/virtual-museum-tour</a></td>
<td>- Summer writing journal (With daily prompts)</td>
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<tr>
<td>- The Wizard of Oz</td>
<td>- Book Reviews (Combination of reading and writing)</td>
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<tr>
<td>- The Last Firehawk</td>
<td>- Argumentative essay writing (Best summer meal and why)</td>
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<tr>
<td>- The Boxcar Children (audiobooks on Hoopla)</td>
<td>- Various free summer writing activity worksheets that can be found in many places online</td>
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<tr>
<td>- Time Warp Trio</td>
<td>- Editing grammar in pieces of text (like celebrity’s Tweets!)</td>
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<tr>
<td>- Mr. Lemoncello Series</td>
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<tr>
<td>- Secret Coders series</td>
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<tr>
<td>- Geronimo Stilton</td>
<td>Websites/Apps:</td>
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<tr>
<td>- Encyclopedia Brown</td>
<td>- Kenn Nesbitt’s Poetry4Kids</td>
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<tr>
<td>- Usborne Puzzle Adventure Books</td>
<td><a href="https://www.poetry4kids.com/">https://www.poetry4kids.com/</a> (Nesbitt, former Children’s Poetry Laureate, includes poetry writing lessons, activities, a rhyming dictionary, children’s poetry for reading, and so much more)</td>
</tr>
<tr>
<td>- Calvin and Hobbes</td>
<td>- Dictionary.com can be used on website of downloaded on an app!</td>
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<td>- Stuart Little</td>
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<td>- Dragon Masters</td>
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## Local Philly Area Resources:

- Philly’s free library, for eBooks and audiobooks—[http://www.freelibrary.org](http://www.freelibrary.org)
## History

**Virtual Museum Touring:**

- British Museum → [https://britishmuseum.withgoogle.com/](https://britishmuseum.withgoogle.com/)
- Natural History Museum → [https://naturalhistory.si.edu/visit/virtual-tour](https://naturalhistory.si.edu/visit/virtual-tour)

## Art

**DIY Activities:**

- Create an Art Bingo Sheet with different activities in each square!
- Practice a new drawing or art skill in a personal journal with your favorite markers of crayons!

**Art Museums:**

- Exploring the MET Art Museum: [https://www.metmuseum.org/art/online-features/metkids/](https://www.metmuseum.org/art/online-features/metkids/)
Dialogue Resources

Discover how to navigate the difficult conversations with your kids

General Dialogue:
- How to engage kids in meaningful conversation (for parents):
  http://resourcesforearlylearning.org/educators/module/20/7/19/
- NPR’s “Why All Parents Should Talk With Their Kids About Social Identity” → covers race, gender, class, etc.
- Diversity Resources for Children → a little bit of everything from both the standpoint of parents and teachers
  https://sites.google.com/site/drwnak/about-us

Race and Racism:
- Race and Racism CNN’s “How to talk to your children about protests and racism” → written in light of recent events; BLM in particular
- Parent Toolkit’s “How to Talk to Kids about Race and Racism” → race and racism more broadly, distinguishes between what it’s like for white parents and parents of color.

Socioeconomic Status:
- Click2Houston’s “How to talk to your young children about economic and social class differences” → short video clip demonstrating that young children are capable of having these conversations, and explains a bit about what parents can do to help further the dialogue

Gender and Sexual Orientation
- Mashable’s “How to talk to kids about gender” → great detailed resource for parents
- Planned Parenthood → very detailed resources for talking to your children about gender and sexual orientation; can be divided into different age ranges for easier explanation
  https://www.plannedparenthood.org/learn/parents/identity

Religion:
- https://www.pbs.org/newshour/show/secular-parents-guide-teaching-kids-faith

(Dis)Ability:
- FamilyEducation’s “6 Tips to Talk to Your Kids About Disabilities” → applies to both physical/visible disabilities as well as mental/nonvisible
  https://www.familyeducation.com/life/empathy/6-tips-talk-your-kids-about-disabilities
- VeryWellFamily’s “How to Talk to Kids About Disabilities” → more in-depth
Online Summer Camps

- **Camp Kinda** Free; age 5–14. [https://camp kinda.org/](https://camp kinda.org/)
  Camp Kinda offers themed activities like "Histories Mysteries," for kids to complete at their own pace. Each week until Sept. 1, kids get a new week's worth of online, offline, and even outdoor activities designed to take about three to four hours per day.
  How it works: Self-directed activities on a flexible schedule, with new daily activities released every week.

- **Varsity Tutors** Free; age 5 and up. [https://www.varsitytutors.com/virtual-summer-camps](https://www.varsitytutors.com/virtual-summer-camps)
  Kids can join a weeklong session based on their grade level for a variety of original, educational subjects like basic engineering using household items, mastering strategy games, and drawing anime.
  How it works: One hour of live instructions via video chat from Monday to Friday, with some self-directed work time.

- **Wide Open School** Free; all ages. [https://wideopenschool.org/](https://wideopenschool.org/)
  Created and curated by Common Sense, this site makes distance learning easier and more accessible for families and educators. Kids from preschool to high school can browse through engaging videos, lessons, and activities by topic or subject -- all created by top-quality providers including PBS, GoNoodle, and Khan Academy.
  How it works: Self-directed activities on a flexible schedule; parents can use the "virtual summer camp" schedule, create their own, or let older kids explore themselves.

- **The Lion King Experience: At Home** Free; age 8–15. [https://www.lionkingexperience.com/](https://www.lionkingexperience.com/)
  Originally designed for classrooms and adapted for home use, this immersive theater program teaches kids performance art through The Lion King. Each lesson plan (there are 11 for kids, 18 for teens) contains videos, journal prompts, performances, and more.
  How it works: Self-directed activities broken into 45-minute lesson plans on a flexible schedule.

- **American Diabetes Association Imagine Camp** Free; age 6 and up.
  [https://www.diabetes.org/community/camp](https://www.diabetes.org/community/camp)
  For summer 2020, the ADA is offering Imagine Camp, an at-home version of its traditional camp for kids with type I diabetes. Imagine Camp focuses on community-building instead of outdoor activities, with online adaptations of campfires, games, and singalongs.
  How it works: Two hours per week of guided discussions with counselors and health experts via video chat, plus additional virtual activities and videos.

- **Camp Kesem at Home** Free; age 6 and up.
  [https://www.campkesem.org/covid19-resources-and-programming](https://www.campkesem.org/covid19-resources-and-programming)
  Camp Kesem provides free summer camps to kids whose parents have cancer, allowing them to build relationships with other kids going through the same thing. This summer's programs are all virtual. Apply through your local Camp Kesem chapter, which you can find on the website.
  How it works: Live and recorded videos twice a week, along with offline activities and social media interaction with other campers and counselors.
## Language & Culture Resources

### Language

#### English Learner Summer Programs:
- Philadelphia School District → [https://www.philasd.org/multilingual/summerprogram/](https://www.philasd.org/multilingual/summerprogram/)
- USA Learns → [https://www.usalearns.org/free-online-english-courses](https://www.usalearns.org/free-online-english-courses)
- ESOL (English to Speakers of Other Languages) Courses → [https://www.esolcourses.com/](https://www.esolcourses.com/)

#### Spanish:
- Spanish Playground [https://www.spanishplayground.net](https://www.spanishplayground.net); About: Spanish learning and practice targeted at kids; lots of different offerings including games, activities, poems, songs, etc.

#### Asian Languages:
- National Resource Center For Asian Languages Fullerton: [http://www.fullerton.edu/nrcal/resources/resources_vietnamese.php](http://www.fullerton.edu/nrcal/resources/resources_vietnamese.php); About: Free resource for audio books of varying reading levels and other downloadable resources for children of many ages
- 111 Mandarin Chinese Resources You Wish You Knew [https://www.iwillteachyoualanguage.com/resources/mandarin-chinese-resources](https://www.iwillteachyoualanguage.com/resources/mandarin-chinese-resources); About: Detailed list with a table of contents for you to choose what aspect of the Chinese language you want to learn or practice, and is filled with links to these helpful resources.

#### Arabic:
- St. Lawrence University [https://www.stlawu.edu/modern-languages/arabic-resources](https://www.stlawu.edu/modern-languages/arabic-resources); About: Extensive list of resources for Arabic learning; broken into subsections depending on interests.
- Fluent in 3 Months [https://www.fluentin3months.com/online-arabic-classes/](https://www.fluentin3months.com/online-arabic-classes/); About: Another great resource that provides links to different Arabic learning modules. General Resources/Online Camps (free)

### Culture

#### Culturally Inclusive Programs:
- Al Bustan → [https://www.albustanseeds.org/](https://www.albustanseeds.org/)
- Asian Arts Initiative → [https://asianartsinitiative.org/](https://asianartsinitiative.org/)
- The Evoluer House → [https://www.evoluerhouse.org/](https://www.evoluerhouse.org/)

#### YouTube Video Links

**Vietnamese:**
- Link: [https://www.youtube.com/playlist?list=PLzdu29UIUT29jC4sMuVggXGP24JBw9C8](https://www.youtube.com/playlist?list=PLzdu29UIUT29jC4sMuVggXGP24JBw9C8); About: Playlist of videos on youtube for learning Vietnamese at elementary level. A lot of conversational lessons to help children learn and communicate with their family.

**Spanish:**
- Story Time/Hora de Cuentacuentos: YouTube: @veoleo_co, Live Fridays at 10:45am EST
  Link: [https://www.youtube.com/channel/UC1oZ_DVdnaX12yGeHs6Hk-A](https://www.youtube.com/channel/UC1oZ_DVdnaX12yGeHs6Hk-A)

**Chinese:**
- Playlist of Chinese fairy tales and stories for kids with English captions.
  Link:[https://www.youtube.com/watch?v=anBo8Pq_9i4&list=PLiXqu8asUhm5u75zcieVw1DLCLoZ_Ujee](https://www.youtube.com/watch?v=anBo8Pq_9i4&list=PLiXqu8asUhm5u75zcieVw1DLCLoZ_Ujee)

**Arabic:**
- About: This channel is full of fairy tales and stories for children in Arabic and also has English captions.
  Link:[https://www.youtube.com/channel/UCazFScO30FKY3YoNNDfNY5g](https://www.youtube.com/channel/UCazFScO30FKY3YoNNDfNY5g)
& even more!

Apps To Download On Devices:
- ABCya
- Khan Kids
- PBS Games
- Hour of Code
- Scholastic Learn at Home
- Epic!
- Humongous

Local Philly Area Activities:
- Philly museums: https://phillystylemag.com/visit-phillys-favorite-museums-thanks-to-virtual-gallery-tours