

Home School User Guide

Julia Boyer Reinstein Public Library Resources

How to use this guide: Listed below are subjects that need to be covered according to the home school guidelines for NYS. If you have any questions please refer to your local Home School organization.

At the Julia Boyer Reinstein Public Library we have many free resources for your children. We have organized them according to grade and subject. Each subject gives the call number to look on the shelves for books, a short list of few books (there are many more), some free databases that the library provides for citizens of Erie County (websites that have free things to help your kids learn) and some ideas for activities.

Credit is equal to 108 hours of instruction per school year, ½ credit is 54 hours.

9th -12th grade	
Patriotism and Citizenship	
Library Area	Non-fiction – JC329, JF 801, JK1758-JK1759
Books	The Patriot’s History Reader: Essential Documents for Every American by Larry Schweikart E173.P36 2011 Words That Built a Nation: a Young Person’s Collection of Historic American Documents by Marilyn Miller- E173.M313 1999
Databases and Websites	Random House Guide – Promoting Active Citizenship: http://www.randomhouse.com/highschool/RHI_magazine/active_citizens/
Activities	Research the process of becoming a citizen of the United States. Volunteer to help a local group that offers classes for those preparing to become citizens. Attend a citizenship ceremony. Most towns have a night court OR scheduled Board of Education meetings - try to go for a visit. Pick an issue of interest and then write one of your elected officials with your view. You usually get a letter back. Watch a State of the Union and then talk about what it was about.
Health and Substance Abuse ½ Credit	
Library Area	Non-fiction – HQ, HV, RA, RJ
Books	You: the owner’s manual for teens by Michael F. Roizen – RA777.R64 2011 Everything You Need To Know About Smoking by Elizabeth Keyishian - HV5745.K48 2000 (Adult Nonfiction) Being a Teen: Everything Teen Girls & Boys Should Know About Relationships, Sex, Love, Health, Identity & More by Jane Fonda- RZ777.F66 2014 High: Everything You Want to Know About Drugs, Alcohol, and Addiction by David Sheff- HV5809.5.S435 2019

	Buzzed: The Straight Facts About the Most Used and Abused Drugs From Alcohol to Ecstasy by Cynthia Kuhn- RM316.K84 2008
Databases and Websites	Center for disease control : www.CDC.gov Medline Plus – https://www.nlm.nih.gov/medlineplus/teenhealth.html Mayo clinic Tween and teen health : http://www.mayoclinic.org/healthy-lifestyle/tween-and-teen-health/basics/tween-and-teen-health/hlv-20049436
Activities	There are usually health fairs and classes that teens and grownups can attend together Make a healthy relationship checklist Keep a mental health journal where you detail your moods and activities
Highway Safety and Traffic Regulations (Including Bike Safety)	
Library Area	Non-fiction: GV 1041, GV 1043, GV 1049
Books	If There is no Tomorrow by Jennifer Armentrout - Fiction Wrecked by E.R. Frank
Databases and Websites	DMV for NYS manual for driving http://dmv.ny.gov/driver-license/drivers-manual-practice-tests Find the right bike helmet : http://www.rei.com/learn/expert-advice/bicycle-helmet.html
Activities	Take a defensive driving course Take a look under the hood – Ask a local mechanic if they will show you around under the trunk while they inspect your car
Fire and Arson Prevention and Safety	
Library Area	Non-fiction HS3313.Z95 and TH9148
Books	Triangle: The Fire That Changed America by David Von Drehle – F128.5V.688 2003 Master the Firefighter Exam by Fred M. Rafilson- TH9157.R34 2009
Databases and Websites	American Red Cross: Home Fire Safety- https://www.redcross.org/get-help/how-to-prepare-for-emergencies/types-of-emergencies/fire/prevent-home-fire.html US fire Administration - https://www.usfa.fema.gov/prevention/outreach/
Activities	Go around your house and make sure it is up to fire code Go camping and practice safe fire building and extinguishing
English 4 Credits	
Library Area	Non-fiction: Ps

Books	<p>1,000 Books to Read Before You Die: A Life-Changing List by James Mustich Jr.</p> <p>Writing Skills Success in 20 Minutes a Day – PE1112.O45 2012</p> <p>The Writing Strategies Book: Your Everything Guide to Developing Skilled Writers by Jennifer Serravallo- LB1576.S334 2017</p> <p>The Shakespeare Book by Stanley Wells- PR2976.S33737 2015</p> <p>The 100 best poems of all time edited by Leslie Pockell – PN6101. A16 2001</p>
Databases and Websites	<p>Literature Resource Center – must be accessed through the library website</p> <p>Literature Criticism Online – must be accessed through the library website</p> <p>Project Gutenberg , public domain books, plays, poems and short stories: gutenberg.org/</p>
Activities	<p>Study a play and then see it live</p> <p>Participate in a poetry slam</p> <p>Mentor younger readers</p>
Social Studies 4 Credits	
Library Area	Es, Fs, and JKs
Books	<p>American History:</p> <p>Smithsonian American History: A Visual Encyclopedia by David King- E174.K45 2019</p> <p>A People’s History of the United States by Howard Zinn</p> <p>These Truths by Jill Lepore- E178.L37 2018</p> <p>Participation in Government:</p> <p>The Supremes’ Greatest Hits: the 44 Supreme Court Cases that Most Directly Affect Your Life by Michael G Trachtman – KF8742.A4T73 2016</p> <p>How to Read the Constitution and Why by Kim WF4541.W44 2019</p> <p>Fault Lines in the Constitution: The Framers, Their Fights and the Flaws That Affect Us Today by Cynthia Levinson- KF4550.Z9L475 2017</p> <p>Economics:</p> <p>Economics: a User Guide by Ha-Joon Chang – HB171.C484 2014</p>

	<p>Naked Economics: Undressing the Dismal Science by Chares Wheelan- HB171.W54 2010</p> <p>Everything Guide to Investing in Your 20s and 30s by Joe Duarte- HG179.D823 2019</p> <p>Budgeting 101 by Michele Cagan – HG170.C274 2018</p>
Databases and Websites	<p>NYS History http://www.history.com/topics/us-states/new-york</p> <p>Congress for Kids https://kids-clerk.house.gov/middle-school/</p>
Activities	<p>Pretend you are a revolutionary that just won independence and create your constitution</p> <p>Visit Old Fort Niagara</p> <p>Create a timeline of American history complete with drawings and pictures</p>
Math 2 Credits	
Library Area	QAs
Books	<p>Homework helpers: Basic math and Pre-Algebra by Denise Szecsei – QA39.3.S94 2011</p> <p>How to bake [pi]: an Edible Exploration of the Mathematics of Mathematics by Eugenia Cheng- QA9.C4862 2015</p> <p>Pre-calculus for Dummies by Yang Kuang – QA155.F67 2012</p> <p>Carpenter’s Calculations Manual by Riger Tarbox- TH5612.T37 2005</p> <p>Statistics 101 by David Borman – QA276.12B6678 2018</p> <p>Calculus for Dummies Series by various authors in the QAs</p>
Databases and Websites	<p>Khan Academy: https://www.khanacademy.org/math</p> <p>IXL : https://www.ixl.com/math/algebra-1</p> <p>Drexel University : http://mathforum.org/</p>
Activities	<p>Try to figure out how tall a building is using a ruler, a protractor and trigonometry</p> <p>Figure out how long a bucket will take to fill at different rates using calculus</p> <p>Try to make an intricate pattern by graphing different equations</p>
Science 2 Credits	
Library Area	Non-fiction: Qs (Not QA)
Books	<p>Experiments:</p> <p>The Food Lab: Better Home Cooking Through Science by J. Kenji Lopez-Alt – TX651.L526 2015</p>

Science Experiments by Judith Bazler – Q182.S33 2000

Earth / planetary:

Earth by James Luhr – QE501.E27 2013

Planetology: Unlocking the Secrets of the Solar System by Tom Jones – QB602.9.J66 2008

Here On Earth: a Natural History of the Planet by Tim F. Flannery – QE501.F53 2010

We are the Weather Makers: The History of Climate Change by Sally M. Walker- QC903.15.W35 2009

The Soil Will Save Us! By Kristin Ohlson – S596.3.O35

No One is Too Small to Make a Difference by Greta Thunberg- GE195.7.T587 2019

Biology:

Homework Helpers: Biology by Matthew Distefano – QH307.2.D57 2011

The Violinist's Thumb: and other Lost Tales of Love, War and Genius by Sam Kean- QH431.K24 2012

The Brain: The Story of You by David Eagleman – QP376.E24 2015

The Man Who Touched His Own Heart by Rob R. Dunn – QP111.4.D86 2015

Chemistry:

Chemistry by Greg Curran – QD33.2.C87 2011

The Beside Book of Chemistry: from molecules to elements by Joel Levy – QD31.3.L47 2011

Physics:

Let's Review- Physics by Miriam Lazar – QC31.L39 2018

Astrophysics for People in a Hurry by Neil DeGrasse Tyson – QB461.T97 2017

Junk Drawer Physics: 50 Awesome Experiments that Don't Cost a Thing by Bobby Mercer- QC25.M35 2014

Databases and Websites	<p>Khan Academy: https://www.khanacademy.org/science</p> <p>Physclips http://www.animations.physics.unsw.edu.au/</p> <p>Biology guide http://www.biologyguide.net/</p> <p>Periodic Table http://www.rsc.org/periodic-table</p>
Activities	<p>Launch your own weather balloon</p> <p>Visit the botanical gardens</p> <p>Take a guided tour of a national park</p>
Art and or Music 1 Credit	
Library Area	Ms and Ns
Books	<p>Art:</p> <p>The Artist Project: What Artists See When They Look at Art by Metropolitan Museum of Art – N7477.M48 2017</p> <p>Art that Changed the World by DK Publishing – N5300.A75 2013</p> <p>100 Works of Art that Will Define Our Age by Kelly Grovier – N6490.G7245 2013</p> <p>Practical Course in Drawing and Painting by Gabriel Martin I Roig-ND1500.M2713 2010</p> <p>Sister Wendy’s 1000 Masterpieces by Wendy Beckett – ND50.B396 1999</p> <p>Music:</p> <p>1,000 Recordings to Hear Before You Die by Tom Moon – ML156.9.M66 2008</p> <p>Buffalo Philharmonic Orchestra: the BPO celebrates the first 75 years-ML200.8.B92 L44 2010</p> <p>The Elements of Music: melody, Rhythm & Harmony by Jason Martineau – MT7.M378 2008</p> <p>Music: The Definitive Visual History by Robert Ziegler – ML160.M8678 2013</p>
Databases and Websites	<p>Google Art Project : https://www.google.com/culturalinstitute/project/art-project</p> <p>National Gallery of Art: http://www.nga.gov/content/ngaweb.html</p> <p>Library of Congress Performance Division: https://www.loc.gov/rr/perform/guide/</p> <p>New York Philharmonic Watch and Listen: http://nyphil.org/watch-listen</p>

Activities	<p>Visit the Albright Knox Museum or the Burchfield Penney Museum.</p> <p>Check the UB Center for the Arts schedule for events.</p> <p>Attend a BPO concert.</p>
Physical Education 2 Credits	
Library Area	GVs and RAs
Books	<p>The Pop-up Gym by Jon Denoris – RA781.D43 2014</p> <p>Every Body Yoga by Jessamyn Stanley – RA781.7 S723 2017</p>
Databases and Websites	<p>New York Times Well Blog: http://well.blogs.nytimes.com/</p> <p>Different activities: https://www.healthychildren.org/English/ages-stages/teen/fitness/Pages/Physical-Activities-for-Teens.aspx</p>
Activities	Check for programs with local Town Recreation Departments or the YMCA.

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