

For Further Exploration

This list of resources is meant to help families and students and teachers to learn more about the brilliant people and amazing fields of study found in Brilliant! We did our best to find trustworthy sources of information to aid your exploration, but websites can change. It's always a good idea to talk about any questions you might have after researching and learning new things. Some websites are for kids, but others were created for grownups, so we recommend that kids and grownups explore these resources together. Be media smart, and enjoy learning more about how faith in God and scientific study can both help us to grow in true wisdom.

Saint Hildegard of Bingen: Philosopher, Pharmacist, Playwright, Musician, Botanist, Doctor of the Church

Read about Saint Hildegard's life:

Demi. *Hildegard of Bingen: Scientist, Composer, Healer & Saint*. Wisdom Tales, 2019.

Learn about plants like Saint Hildegard did:

Jose, Sarah, and Chris Clennett. *Trees, Leaves, Flowers & Seeds: A Visual Encyclopedia of the Plant Kingdom*. New York, NY: DK Publishing, 2019.

Learn how to make your yard or garden a Saint Kateri habitat:

Reid, Gary, Robin Williams Rositani, Joan Rahn, Alexander M Roth, and Kathleen Kinzel. "Home." Saint Kateri Conservation Center. September 23, 2020. <https://www.kateri.org/>

Saint Albertus Magnus: Patron of Scientists and Philosophers

Defend your Catholic faith like Saint Albert did:

Pinto, Matthew. *Friendly Defenders: Catholic Flash Cards*. Ignatius, 2001.

Learn more about Saint Albert:

Media, Franciscan. "Saint Albert the Great." Franciscan Media. November 15, 2020. <https://www.franciscanmedia.org/saint-of-the-day/saint-albert-the-great>

Did you know that Saint Albert predicted that polar bears must exist?

Staff, OSV. "Saint Albert the Great and Polar Bears, Oh My!" Teaching Catholic Kids. November 15, 2019. <https://teachingcatholickids.com/st-albert-the-great-and-polar-bears-oh-my/>

Nicolaus Copernicus: Mathematician and Father of Modern Astronomy

Read about Copernicus and other Renaissance scientists:

Taylor, Diane C. *The Renaissance Thinkers: with History Projects for Kids*. Nomad Press, 2018.

Play a game about the sun:

National Geographic Society. "Space: The Sun." National Geographic Society. June 25, 2020.

<https://www.nationalgeographic.org/interactive/space-sun/>

Hear The Sun Song and see the sun in action:

National Geographic Society. "Sun." National Geographic Society. November 13, 2012.

<https://www.nationalgeographic.org/encyclopedia/sun/>

Christopher Clavius: Mathematician

Read the history of calendars and clocks:

Maestro, Betsy, and Giulio Maestro. *The Story of Clocks and Calendars*. New York, NY:

HarperCollins Children's Books, 2004.

Learn about leap years:

NASA. "What Is a Leap Year?" NASA. February 21, 2020.

<https://spaceplace.nasa.gov/leap-year/en/>

See an image of the moon crater named after Christopher Clavius:

Lawrence, Pete. "How to See Crater Clavius on the Moon." BBC Sky at Night Magazine.

October 5, 2020.

<https://www.skyatnightmagazine.com/advice/skills/crater-clavius-moon-how-see/>

Marin Mersenne: Music Theorist, Mathematician, and Father of Acoustics

Learn music theory:

DK. *Music and How It Works: The Complete Guide for Kids*. DK Publishing, 2020.

Go on an instrument safari:

Britten, Benjamin. "Young Person's Guide to the Orchestra." The Weill Music Institute at

Carnegie Hall. <https://listeningadventures.carnegiehall.org/index.aspx>

Blessed Nicolas Steno: Father of Modern Geology

Start your own collection of rocks and minerals:

Lewis, Gary. *My Awesome Field Guide to Rocks & Minerals: Track and Identify Your Treasures*. Rockridge Press, 2019.

Watch a great video about Nicolas:

Anderson, Addison, and Anton Bogaty. “The Most Groundbreaking Scientist You’ve Never Heard of.” TEDEd.

<https://ed.ted.com/lessons/the-most-groundbreaking-scientist-you-ve-never-heard-of-addison-anderson/>

Giovanni Manzolini & Anna Morandi Manzolini: Sculptors of Anatomy

Look inside the human body:

Amsel, Sheri. *The Everything KIDS’ Human Body Book: All You Need to Know About Your Body Systems—From Head to Toe! Everything*, 2012.

Laugh and learn about body systems with this video:

“Human Body Systems Video For Kids: 3rd, 4th & 5th Grade.” Generation Genius. September 9, 2019. <https://www.generationgenius.com/videolessons/human-body-systems-for-kids/>

Create some art:

Schwake, Susan. *Art Lab for Kids: Express Yourself: 52 Creative Adventures to Find Your Voice Through Drawing, Painting, Mixed Media, and Sculpture*. Quarto Publishing Group USA, 2018.

Laura Bassi: First Female Professor of Physics

Do some experiments:

Colón, Erica L. *Awesome Physics Experiments for Kids: 40 Fun Science Projects & Why They Work*. Rockridge Press, 2019.

Read about other female scientists:

Pellum, Kimberly Brown. *Black Women in Science: A Black History Book for Kids*. Rockridge Press, 2019.

Maria Gaetana Agnesi: Mathematician, Educator, and Humanitarian

Laugh with a calculus cartoon:

Klein, Grady, and Yoram Bauman. *The Cartoon Introduction to Calculus*. New York: Hill and Wang, a Division of Farrar, Straus and Giroux, 2019.

Serve the poor as Maria did:

“Box of Joy—Gift Boxes for Poor Children.” Cross Catholic Outreach.
<https://crosscatholic.org/box-of-joy/>

Louis Braille: Educator, Inventor

Read a biography:

Frith, Margaret, and Robert Squier. *Who Was Louis Braille?* Grosset & Dunlap, an Imprint of Penguin Group (USA), LLC., 2014.

Write a message with the Braille alphabet:

“Braille.” MathsIsFun.com. www.mathsisfun.com/braille.html

Angelo Secchi: Astronomer, Pioneer of Astrophysics

See the sun and the rest of our solar system:

Aguilar, David A. *Space Encyclopedia: A Tour of Our Solar System and Beyond*. National Geographic Kids, 2020.

Go to a museum—virtually:

“What Is Astronomy?” American Museum of Natural History.
<https://www.amnh.org/explore/ology/astronomy/what-is-astronomy>

Father Léon Abel Provancher: Father of Natural History

Get outside:

Andrews, Kim. *Exploring Nature Activity Book for Kids: 50 Creative Projects to Spark Curiosity in the Outdoors*. Rockridge Press, 2019.

Collect some bugs like Father Provancher did:

“The Bug Club—for Children Interested in Insects—Amateur Entomologists’ Society (AES).” The Amateur Entomologists’ Society. www.amentsoc.org/bug-club/

Louis Pasteur: Founder of Microbiology

Read the story of the first germaphobe:

Alphin, Elaine Marie. *Germ Hunter: A Story about Louis Pasteur*. Millbrook Press, 2006.

See the “duel” that made Pasteur’s germ theory popular:

National Geographic Society. “How Solving This Medical Mystery Saved Lives.” National Geographic Society. August 20, 2020.

www.nationalgeographic.org/video/how-solving-medical-mystery-saved-lives/

Gregor Mendel: Father of Modern Genetics

Read a biography:

Yannuzzi, Della A. *Gregor Mendel: Genetics Pioneer*. Franklin Watts, 2004.

Watch a video about inherited genes:

“Inherited Traits: Science Lesson for Kids: Grades 3–5.” Generation Genius. March 27, 2019.

https://www.generationgenius.com/inherited-traits-and-genetics-for-kids/?gclid=Cj0KCQjwreT8BRDTARIsAJLI0KIqKvIYUtwUujDID5twvR7S9dr1NySao2nw00XmdY5z2ngvJEwdIIaAuBWEALw_wcB

Study genes:

National Geographic Society. “Genetics.” National Geographic Society. August 23, 2019.

<https://www.nationalgeographic.org/encyclopedia/genetics/>

Father Henri Breuil: Archaeologist and Natural Scientist

Uncover some mysteries:

Panchyk, Richard. *Archaeology for Kids: Uncovering the Mysteries of Our Past, 25 Activities*. Independent Publishers Group, 2001.

Find some clues from the past:

“Archaeology for Kids: OLogy.” American Museum of Natural History. Accessed October 28, 2020. <https://www.amnh.org/explore/ology/archaeology>

Saint Giuseppe Moscati: Medical Doctor and Chemist

Learn anatomy:

Wynne, Patricia, and Donald M. Silver. *My First Human Body Book*. Mineola, NY: Dover, 2009.

Have a chemistry adventure:

“Adventures in Chemistry.” American Chemical Society. Accessed October 28, 2020. <https://www.acs.org/content/acs/en/education/whatischemistry/adventures-in-chemistry.html>

Father Georges Lemaître: Father of the Big Bang

Learn about Father Lemaître’s favorite subject:

“Astrophysics Facts for Kids.” Kiddle Encyclopedia. Accessed November 4, 2020. <https://kids.kiddle.co/Astrophysics>

Learn about the Big Bang:

NASA. “What Is the Big Bang?” NASA. June 27, 2019. <https://spaceplace.nasa.gov/big-bang/en/>

Sister Hilary Ross: Researcher, Humanitarian

Read a novel about a girl who lives in a leper colony:

Hargrave, Kiran Millwood. *The Island at the End of Everything*. Oxford University Press, 2019.

See what leprosy looks like:

“Leprosy Facts for Kids.” Kiddle Encyclopedia. Accessed October 28, 2020. <https://facts.kiddle.co/Leprosy>

Find out about the Daughters of Charity, past and present:

“An International Society of Apostolic Life.” Daughters of Charity Province of Saint Louise. <https://daughtersofcharity.org>

See a timeline of the hospital at Carville:

“History of the National Hansen’s Disease (Leprosy) Program.” U.S. Health Resources & Services Administration. April 17, 2020. <https://www.hrsa.gov/hansens-disease/history.html>

Sister Miriam Michael Stimson: Chemist, DNA Pioneer

Read about DNA:

Woollard, Allison, and Sophie Gilbert. *The DNA Book: Discover What Makes You You*. DK Publishing, 2020.

Learn how microscopes work:

National Geographic Society. “Microscopes.” National Geographic Society. May 21, 2019. www.nationalgeographic.org/encyclopedia/microscopes/

See the world in ultra-violet light:

Nakaya, Rion. “The World in UV.” *The Kid Should See This*. July 31, 2018.

<https://thekidshouldseethis.com/post/the-world-in-uv-veritasium>

Saint Gianna Beretta Molla: Patron of Doctors, Mothers, and Unborn Children

Read about Saint Gianna:

Wallace, FSP, Susan Helen, and Patricia Edward Jablonski, FSP. *Saint Gianna Beretta Molla: The Gift of Life*. Boston: Pauline Books & Media, 2012.

See a short video with pictures of Saint Gianna and her children:

Catholic Online. “Saint Gianna Beretta Molla—Saints & Angels.” Catholic Online.

www.catholic.org/saints/saint.php?saint_id=6985

Sister Mary Kenneth Keller: Pioneer in Computer Science

Learn how to code:

Wainwright, Max. *How to Code: A Step-by-Step Guide to Computer Coding*. London: QED Publishing, 2016.

Code a space adventure:

Wainwright, Max. *Code Your Own Space Adventure: Code with Major Kate and Save Planet Zyskinar*. Lake Forest, CA: Quarto Library, 2017.

Complete some coding challenges:

Khan Academy. “Learning Programming on Khan Academy (Article).” Khan Academy.

<https://www.khanacademy.org/computing/computer-programming/programming/intro-to-programming/a/learning-programming-on-khan-academy>

Jérôme Lejeune: Pediatrician, Geneticist, Servant of God

Read a book about a girl with Down Syndrome:

Yarborough, Lori Leigh. *Hannah’s Down Syndrome Superpowers*. One Three Nine Inspired, 2019.

Find out about Down Syndrome:

Gavin, Mary L., ed. “Down Syndrome (for Kids)—Nemours KidsHealth.” KidsHealth, The Nemours Foundation. September 2015.

<https://kidshealth.org/en/kids/down-syndrome.html>

Pope Francis: Environmentalist, Scientific Advocate

Find out about Pope Francis' childhood:

Monge, FSP, Marlyn, and Jaymie Stuart Wolfe. *Jorge from Argentina: The Story of Pope Francis for Children*. Boston: Pauline Books & Media, 2013.

Read a biography:

Spinner, Stephanie. *Who Is Pope Francis?* Grosset & Dunlap, 2017.

Watch a video about what Pope Francis wrote about caring for the earth:

Glasky. "Laudato Si' Video for Elementary Students." Catholic Relief Services. September 17, 2018. <https://www.crs.org/resource-center/laudato-si-video-elementary-students>

Karin Öberg: Astrochemist, Professor

Learn about space exploration:

"NASA Kids' Club." NASA. October 22, 2020. <https://www.nasa.gov/kidsclub>

Read about possibility of life on other planets:

Khan, Amina. "Eureka! Complex Organic Molecules Found in a Young Star System." *Los Angeles Times*. April 8, 2015. <https://www.latimes.com/science/sciencenow/la-sci-sn-organic-molecules-star-protoplanetary-disk-chemicals-life-20150408-story.html>

Discover more brilliant saints and holy people:

Daughters of Saint Paul. *Our Friends in Heaven*. Edited by Sister Allison Gliot. Vol. 1. Boston: Pauline Books & Media, 2021.

Daughters of Saint Paul. *Our Friends in Heaven*. Edited by Sister Allison Gliot. Vol. 2. Boston: Pauline Books & Media, 2021.

Catholic Online. "Saints Fun Facts—Saints & Angels." Catholic Online. Accessed October 23, 2020. https://www.catholic.org/saints/fun_facts_arch.php