



UST JUNIOR HIGH SCHOOL LIBRARY

PATHFINDER IN SCIENCE

Guide to the resources and general collection of the library



No. of Collection

• Books	83
• Printed Journals	3
• Electronic Resources	10
• Audio Visual Materials	47
• Recommended Websites	10

Scope Note

Library information sources on different branches of science such as Biology specifically on Living Things, Genetics, Evolution, Animals, Plants, Anatomy and Physiology, Cell, Ecology, Heredity, Biodiversity and Ecosystem; Earth Science delving on the Planet Earth, Solar System, Plate Tectonics, Erosion and Deposition, Oceanography, Geology, Geography, Astronomy, Meteorology; Chemistry specifically on Elements, Compounds, Solutions and Mixtures, Periodic Table, Chemical Bonding, Chemical Reactions, Acids and Bases; and Physics focusing on Matter, Electricity, Magnetism, Motion and Energy, Work and Power, Gravity, Waves and Optics, Force and Velocity.

Books

- Ahrens, C. D. (2018). *Essentials of meteorology : an invitation to the atmosphere*. Stamford, CT: Cengage Learning [QC861.3 .Ah73e 2018].
- Anestis, M. (2015). *AP biology 2016*. New York: McGraw-Hill [QH316 .An35 2015].
- Anoxos, Inc. (2016). *500 AP physics 1 questions to know by test day*. New York: McGraw-Hill [QC32 .An78 2016].
- Arnell, N. (2015). *A short guide to climate change risk*. Burlington, VT: Gower [QC903 .Ar62 2015].
- Bauer, R. C. (2016). *Introduction to chemistry*. New York, NY: McGraw-Hill Education [QD33.2 .B326i 2016].
- Biggs, A. (2017). *Glencoe biology*. Columbus, Ohio: McGraw-Hill Education [QH308 .B484 2017].
- Biggs, A. (2017). *Glencoe biology : teacher edition*. Columbus, Ohio: McGraw-Hill Education [QH308 .B484g 2017].
- Booth, W. C. (2016). *The craft of research*. Chicago: The University of Chicago Press [Q180.55.M4 .B644 2016].

- Borrero, F. (2017). *Glencoe earth science : geology, the environment, and the universe*. Columbus, Ohio: Glencoe/McGraw-Hill [QE28 .B646 2017].
- Borrero, F. (2017). *Glencoe earth science : geology, the environment, and the universe ; teacher edition*. Columbus, Ohio: Glencoe/McGraw-Hill [QE28 .B646g 2017].
- Brooker, R. J. (2016). *Concepts of genetics*. New York, NY: McGraw-Hill Education [QH430 .B79c 2016].
- Bruhn, C. (2016). *5 Steps to a 5 AP Physics 2*. New York: McGraw-Hill Education [QC32 .B835 2016].
- Carascal, M. B. (2016). *The quest for the hidden slime molds myxoman and the amoeboid : fungal biodiversity & systematics booklet II*. Manila, Philippines: UST Thomas Aquinas Research Complex [QK635 .C176 2016].
- Cass-Dudley, V. L. (2018). *Laboratory and field investigations in marine life*. Burlington, MA: Jones & Bartlett Learning [QH91.55 .C271 2018].
- Chiras, D. D. (2016). *Environmental science*. Burlington, MA: Jones & Bartlett Learning [GE140 .C445 2016].
- Dawkins, R. (2016). *The selfish gene : 40th anniversary edition*. New York, NY: Oxford University Press [QH437 .D322 2016].
- DeBruyne, L. K. (2017). *Nutrition for health and health care*. Australia: Cengage Learning [QP143 .D354 2017].
- Dhillon, R. S. (2015). *Systematic nomenclature of organic compounds*. [New Delhi]: I.K. International Publish [QD291 .D537 2015].
- Emsley, J. (2015). *Chemistry at home : exploring the ingredients in everyday products*. Cambridge: Royal Society of Chemistry [QD37 .Em84 2015].
- Essentials of statistics*. (2017). New York: Arcler Press [HA29 .Es74 2017].
- Fox, S. I. (2016). *Human physiology*. New York, NY: McGraw-Hill Education [QP34.5 .F833 2016].
- Frank, M. (2015). *202 science investigations : exciting adventures in earth, life, and physical sciences*. Chicago, IL: Incentive Publications [Q181 .F851t 2015].
- Giambattista, A. (2016). *Physics*. New York, N.Y.: McGraw-Hill [QC21.3 .G347p 2016].
- Glencoe chemistry : matter and change ; teacher edition*. (2017). Columbus, Ohio: Glencoe/McGraw-Hill [QD40 .G484c 2017].
- Glencoe chemistry : matter and change*. (2017). Columbus, Ohio: Glencoe/McGraw-Hill [QD40 .G484 2017].
- Griffith, W. T. (2015). *The physics of everyday phenomena : a conceptual introduction to physics*. New York, NY: McGraw-Hill Education [QC23.2 .G875 2015].
- Griffith, W. T. (2019). *The Physics of everyday phenomena : a conceptual introduction to physics*. New York: McGraw-Hill Education [QC23.2 .G875 2019].

Hanson, P. (2015). *Chem2*. Belmont, CA: Cengage Brooks/Cole [QD42 .H198 2015].

Hartwell, L. H. (2015). *Genetics : from genes to genomes*. New York, NY: McGraw-Hill Education [QH430 .G286 2015].

Hawking, S. (2017). *The illustrated a brief history of time: The universe in a nutshell*. New York: Bantam Books [QB981 .H377 2017].

Hoefnagels, M. (2016). *Biology : the essentials*. New York, NY: McGraw-Hill Education [QH315 .H671 2016].

Hoefnagels, M. (2018). *Biology : concepts and investigations*. New York, NY: McGraw-Hill Education [QH307.2 .H671 2018].

Holzner, S. (2013). *Quantum physics for dummies*. Hoboken, NJ: Wiley [QC174.45 .H749 2013].

How the body works. (2016). London: Dorling Kindersley Limited [QP38 .H83 2016].

How the earth works : an illustrated guide to the wonders of our planet. (2016). U.S.A.: Chartwell Book [QE26.3 .H83 2016].

How the universe works : an illustrated guide to the cosmos and all we know about it. (2017). U.S.A.: Chartwell Book [QB62.7 .H83 2017].

Ignatofsky, R. (2016). *Women in science : 50 fearless pioneers who changed the world*. New York: Ten Speed Press [Q141 .lg5 2016].

Jacobs, G. (2015). *AP physics 1: algebra-based 2016*. New York: McGraw-Hill Education [QC32 .J153a 2015].

Jahren, H. (2016). *Lab girl*. New York: Alfred A. Knopf [QH31.J344 .J198 2016].

Klein, R. T. (2016). *Careers for tech girls in science*. New York: Rosen Publishing [Q130 .K672 2016].

Laurente, J. A. (2015). *Science for the 21st century learner*. Makati City: DIWA learning Systems, Inc. [Q162 .L374 2015].

Leon, G. (2017). *Prick : cacti and other succulents: choosing, styling, caring*. London: Mitchell Beazley [SB438 .L551 2017].

Lewis, R. (2015). *Human genetics : concepts and applications*. New York: McGraw-Hill Education [QH431 .L585 2015].

Mader, S. S. (2016). *Human biology*. New York, NY: McGraw-Hill [QP36 .M264 2016].

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Middlecamp, C. H. (2015). *Chemistry in context : applying chemistry to society*. New York, NY: McGraw-Hill Education [QD415 .C42a 2015].

Miller, G. T. (2015). *Sustaining the Earth*. Stamford, CT: Cengage Learning [GE105 .M614t 2015].

Miller, G. T. (2017). *Environmental science : sustaining your world*. Chicago, IL: National Geographic Learning [GE105 .M614w 2017].

Mitchell, A. (2018). *The spinning magnet : the electromagnetic force that created the modern world - and could destroy it*. New York: Dutton [QC760 .M696 2018].

Moore, J. T. (2015). *AP chemistry 2016* . New York: McGraw-Hill Education [QD42 .M784 2015].

Oki, S. (2015). *Listen to the voice of the Earth : learn about earthquakes to save lives*. Tokyo, Japan: Japan Publishing Industry Foundation for Culture [QE521.3 .Ok3 2015].

Oseid, K. (2017). *What we see in the stars : an illustrated tour of the night sky*. California: Ten Speed Press [QB44.3 .Os2 2017].

Pangilinan, J. F. (2017). *Philippine Fauna*. Quezon City: Great Books Trading [QL323 .P193 2017].

Reece, J. B. (2016). *Campbell biology : concepts and connections*. Boston: Pearson [QH308.2 .R251 2016].

Scott, A. S. (2017). *Body structures and functions*. Cengage Learning [QP34.5 .Sco83 2017]: Australia.

Seeds, M. A. (2014). *Universe : solar systems, stars, and galaxies*. Boston, MA: Cengage Learning [QB45.2 .Se32u 2014].

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Seeds, M. A. (2019). *Stars and galaxies*. Australia: Cengage Learning [QB801 .Se32 2019].

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Startalk : everything you ever need to know about space travel, sci-fi, the human race, the universe, and beyond. (2016). Washington, D.C.: National Geographic [QB982 .St28 2016].

Successful careers beyond the lab. (2017). Cambridge: Cambridge University Press [Q147 .Su17 2017].

- Tello, M. (2018). *Healthy habits for your heart : 100 simple, effective ways to lower your blood pressure and maintain your heart's health* . New York: Adams Media [RC682 .T239 2018].
- The astronomy book*. (2017). New York: DK Publishing [QB15 .As89 2017].
- The Good Earth : introduction to earth science*. (2018). New York, NY: McGraw-Hill Education [QE26.3 .G591 2018].
- The science book*. (2015). New York: DK Publishing [Q162 .Sci27b 2015].
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- Tillery, B. W. (2019). *Integrated science*. Boston: McGraw-Hill Higher Education [Q161.2 .T463 2019].
- Timbreza, F. T. (2015). *Reproductive health ethics : giving voice and choice to Filipino women*. Quezon City: New Day Publishers [RG146.P6 .T481 2015].
- Wang, H. (2017). *Mathematics for physicists*. Hackensack, NJ: World Scientific [QC20 .W184 2017].
- Williston, B. (2019). *The ethics of climate change : an introduction*. Abingdon, Oxon: Routledge [GE42 .W679 2019].
- Winchester, S. (2015). *When the earth shakes : earthquakes, volcanoes, and tsunamis*. New York: Viking [QE534.3 .W721 2015].
- Zitzewitz, P. W. (2017). *Glencoe physics : principles and problems*. Columbus, Ohio: Glencoe/McGraw-Hill [QC23 .Z69 2017].
- Zitzewitz, P. W., & teacher essentials Zitzewitz, P. W. (2017). *Glencoe physics : principles and problems ; teacher essentials*. Columbus, Ohio: Glencoe/McGraw-Hill [QC23 .Z69g 2017].
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Printed Journal

- Discover*. (2014-). Waukesha, WI: Kalmbach Publishing [Q1 .D631s].
- How it works*. (2013-). Bourmemouth, Dorset: Imagine Publishing [T9 .H83].
- National geographic*. (1914-). Washington, D.C.: National Geographic Society [G1 .N213].

Electronic Resources

1. EBSCO Host Explora Secondary Schools
2. Gale Student Resources (Gale in Context: High School)
3. Cambridge Core

4. Knovel
5. Access Science
6. American Chemical Society
7. ScienceDirect
8. SciFinder
9. SciVerse
10. Kanopy

Audiovisual Materials

- Astronomy*. (2005). Temecula, CA: Discovery Communications, Inc. [QB46 .As89d 2005].
- Attenborough, D. (2005). *State of the planet earth : the complete series*. [London]: BBC Worldwide Ltd. [QB601 .At81 2005].
- Biology*. (2009). [Arlington, VA]: Cerebellum [QH315 .B521b 2009].
- Chemistry*. (2005). Camarillo, CA: Goldhill Educational [QD40 .C42ch 2005].
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- Earth science : history of the earth*. (2005). (n.p.): Discovery Communications, Inc. [QE28.3 .Ea76h 2005].
- Earth science : investigating earth's formations*. (2005). (n.p.): Discovery Communications, Inc. [QE26.2 .Ea76 2005].
- Earth science : investigating the earth's surface*. (2005). (n.p.): Discovery Communications, Inc. [GB401.5 .Ea76 2005].
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- Earth story*. (1998). (n.p.): BBC [QE28.3 .Ea76 1998].
- Evans, J. (2011). *How to build a human*. [London]: BBC Worldwide [QH431 .Ev15 2011].
- Forensic science videos*. (n.d.). Australia: Pearson [HV8073 .F761s].
- Fowler, R. J. (2013). *Electricity : principles & applications*. New York, NY: McGraw-Hill [QC523 .F829 2013].
- Freeman, S. (2008). *Biological science*. San Francisco: Pearson/Benjamin Cummings [QH308.2 .F877 2008].
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How it's made : auto. (n.d.). Louisville, CO: Discovery Communications [TL205 .H83 2011].

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Life processes of plants. (2005). [Princeton, N.J.]: Films for the Humanities & Sciences [QK711.2 .L626 2005].

Miniscule: the private life of insects: the complete collection. (2006?). [Australia]: Warner Music Australia [QL467.2 .M664].

Organic chemistry. (1997). [Arlington, VA]: Cerebellum Corp. [QD256 .Or3 1997].

Organization & diversity. (2005). Princeton, NJ: Films for the Humanities & Sciences [QH83 .Or3 2005].

Physical science : virtual investigations. (n.d.). Austin, Texas: Holt, Rinehart and Winston [Q158.5 .P569vi].

Physical science. (n.d.). (n.p.): McGraw-Hill [Q158.5 .P569sc].

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Planet Philippines. (2008). Manila: GMA-7 [PN1992.8.D6 .P693 2008].

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Supervolcano : sleeping beneath the surface of the earth. (2005). [Bethesda, MD]: Discovery Channel [QE522 .Su76 2005].

The future of the milky way. (2005). Temecula, CA: Discovery Communications, Inc. [QB981 .F989 2005].

The Quest : lunar mysteries. (2007). Bethesda, MD: Discovery Communications, Inc. [QB579 .Q38 2007].

The universe. (2005). Temecula, CA: Discovery Communications, Inc. [QB46 .Un3e 2005].

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Warnings from the wild. (2009). [London]: BBC Worldwide [QC981.8.G56 .W248 2009].

Wildlife for sale. (n.d.). Manila: GMA [PN1992.8.D6 .W646].

Wonders of the solar system. (2011). London: BBC Worldwide Ltd. [QB501 .W845 2011].

Wonders of weather : forecasting. Wonders of weather : deserts. (2011). Bethesda, MD: Discovery Communications, Inc. [QC995 .W845 2011].

Recommended Websites

1. How Stuff Works - <http://science.howstuffworks.com/>
2. Science News for Students - <https://www.sciencenewsforstudents.org/>
3. The Physics Classroom - <http://www.physicsclassroom.com/>
4. Learn Genetics - <http://learn.genetics.utah.edu/>
5. Periodic Table of Elements - <https://ptable.com/>
6. The Concord Consortium - <https://learn.concord.org/>
7. Zooniverse - <https://www.zooniverse.org/projects>
8. Global Climate Change - <https://climate.nasa.gov/>
9. Windows to the Universe - <https://www.windows2universe.org/>
10. Geology and Geoscience News - <https://geology.com>