



UST JUNIOR HIGH SCHOOL LIBRARY

PATHFINDER IN MATHEMATICS

Guide to the resources and general collection of the library



No. of Collection

• Books	46
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Scope Note

Library information sources on Number and Number Sense, Measurements, Patterns, Algebra, Algebraic Expressions, Geometry, Statistics and Probability, Special Products and Factoring, Rational Expressions, Linear Equations in Two Variables and Linear Functions, Systems of Linear Equations and Inequalities, Radicals, Quadratic Equations and Functions, Variations, Quadrilaterals, Similarities, Trigonometry, Sequence, Polynomials, Angles, Probability and Statistics, Distance Formula and Plane Coordinates.

Books

- 30-second Maths : the 50 most mind- expanding theories in mathematics, each explained in half a minute.* (2017). London: Icon Books LTD [QA93 .T349 2017].
- Adler, F. R. (2013). *Modeling the dynamics of life : calculus and probability for life scientists.* Boston, MA : Brooks/Cole [QA303.2 .Ad59 2013].
- Aufmann, R. N. (2014). *Essential mathematics : an applied approach.* Pacific Grove, California: Brooks/Cole [QA107 .Au38e 2014].
- Benjamin, A. (2016). *The magic of math : solving for x and figuring out why.* New York: Basic Books [QA111 .B438m 2016].
- Ben-Naim, A. (2015). *Discover probability : how to use it, how to avoid misusing it, and how it affects every aspect of your life.* New Jersey: World Scientific [QA273 .B438 2015].
- Bluman, A. (2019). *Elementary statistics : a step by step approach.* Boston: McGraw-Hill [QA276.12 .B625 2019].
- Borah, B. (2015). *Modern algebra.* New Delhi: APH Publishing Corporation [QA152 .B644 2015].
- Bruhl, R. H. (2018). *Understanding statistical analysis and modeling.* Los Angeles: SAGE [HA19 .B834 2018].

- CBSE Chapterwise & topicwise question bank : with complete solutions mathematics class 10. (2019).
India: Oswaal Books [QA43 .C333 2019].
- Cochrane, R. (2016). *The secret life of equations : the 50 greatest equations and how they work*. London: Cassell Illustrated [QA211 .C643 2016].
- Collins, J. (2018). *Get smart maths : the big ideas you should know*. London: Quercus [QA43 .C694 2018].
- Cuoco, A. (2013). *Learning modern algebra : from early attempts to prove Fermat's last theorem*. Washington, DC: Mathematical Association of America [QA154.3 .C92 2013] .
- Delbourgo, R. (2017). *Trigonometry : notes, problems, and exercises*. New Jersey: World Scientific [QA531 .D376 2017].
- Dupree, J. (2016). *Effective math instruction : shifting to meet today's standards*. Huntington Beach, CA: Shell Education [QA11 .D928 2016].
- Essentials of geometry*. (2017). New York: Arcler Press [QA453 .Es74 2017].
- Fundamentals of algebra*. (2017). New York, NY: Arcler Press LLC [QA152.2 .F962 2017].
- Godfrey, C. (2015). *Arithmetic*. (n.p.): Cambridge University Press [QA107 .G543 2015].
- Gurganus, S. P. (2017). *Math instruction for students with learning problems*. New York: Routledge, Taylor & Francis Group [QA11.2 .G962 2017].
- Harshbarger, R. J. (2019). *Mathematical applications for the management, life, and social sciences*. Boston, MA: Cengage Learning [QA37.3 .H251 2019].
- Hattie, J. (2017). *Visible learning for mathematics, grades K-12 : what works best to optimize student learning*. Thousand Oaks, California: Corwin Mathematics [QA16 .H288 2017].
- Jordan, B. E. (2013). *Integrated arithmetic and basic algebra*. Boston: Pearson [QA107.2 .J761 2013].
- Kaseberg, A. (2013). *Intermediate algebra : everyday explorations*. Australia: Brooks/Cole [QA154.2 .K151 2013] .
- Larson, R. (2014). *Elementary algebra within reach*. [Pacific Grove, California]: Brooks/Cole [QA152.3 .L329i 2014].
- Larson, R. (2018). *College algebra with CalcChat and CalcView*. Boston, MA: Cengage Learning [QA154.3 .L329w 2018].
- Lehmann, E. (2015). *Teaching mathematics today*. Huntington Beach, CA: Shell Education [QA13 .L528 2015] .
- Math problem solving*. (2011). New York: Triumph Learning [QA43 .M42 2011].
- McKeague, C. P. (2013). *Prealgebra : a text/workbook* . Belmont, CA: Cengage Learning [QA39.3 .M193p 2013].
- Mooney, C. (2014). *Primary mathematics : knowledge and understanding*. Los Angeles: SAGE/Learning Matters [QA135.6 .M779 2014].

- Newell, R. (2017). *Big ideas in primary mathematics*. London: SAGE [QA135.6 .N447 2017].
- Pandey, R. K. (2015). *Textbook of algebra*. New Delhi: Rajat Publications [QA152.3 .P192 2015].
- Peck, R. (2016). *Eureka math statistics and probability study guide*. San Francisco, CA: Jossey-Bass [QA276.18 .P336 2016].
- Posamentier, A. S. (2017). *Strategy games to enhance problem-solving ability in mathematics*. New Jersey: World Scientific [QA270 .P84 2017].
- Practical math*. (2018). Makati City: DIWA [QA39.3 .P881m 2018].
- Practice coach plus : mathematics*. (2016). New York: Triumph Learning [QA43 .P881 2016].
- Puritz, C. (2017). *Explaining and exploring mathematics : teaching 11- to 18-year olds for understanding and enjoyment*. New York: Routledge, Taylor & Francis Group [QA11.2 .P974 2017].
- Safier, F. (2013). *Precalculus*. New York, NY: McGraw-Hill [QA157 .Sa17p 2013].
- Seeley, C. L. (2016). *Building a math-positive culture : how to support great math teaching in your school*. Alexandria, Virginia, USA: ASCD [QA135.6 .Se34b 2016].
- Seeley, C. L. (2016). *Making sense of math : how to help every student become a mathematical thinker and problem solver*. Alexandria, Virginia, USA: ASCD [QA135.6 .Se34 2016].
- Smith, K. J. (2017). *Nature of modern mathematics*. Boston, MA: Cengage Learning [QA39.3 .Sm61n 2017].
- Smith, N. N. (2017). *Every math learner : a doable approach to teaching with learning differences in mind : grades 6-12*. Thousand Oaks, California : Corwin Mathematics [QA20.I53 .Sm62 2017].
- Southall, E. (2017). *Yes, but why? : teaching for understanding in mathematics*. London: Sage Publications [QA11.2 .So87 2017].
- The University of Chicago School Mathematics Project. (2017). *Everyday mathematics for parents : what you need to know to help your child succeed*. Chicago: The University of Chicago Press [QA16 .Ev27 2017].
- Underwood, R. G. (2016). *Fundamentals of modern algebra : a global perspective*. New Jersey: World Scientific [QA162 .Un2 2016].
- Welchman, W. G. (2015). *Introduction to algebraic geometry*. (n.p.): Cambridge University Press [QA564 .W447 2015].
- Wheater, C. C. (2018). *Algebra I : review and workbook*. New York: McGraw-Hill Education [QA155 .W56 2018].
- Wilson, F. C. (2013). *College algebra : a make it real approach*. Belmont, CA: Cengage Learning [QA152.3 .W693 2013].

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. Society of Industrial and Applied Mathematics (SIAM)
7. Kanopy

Audiovisual Materials

Aufmann, R. N. (2006). *Intermediate algebra : an applied approach*. Boston, MA: Houghton Mifflin Co. [QA157 .Au38v 2006].

Aufmann, R. N. (2008). *Beginning algebra with applications*. Boston, MA: Houghton Mifflin Co. [QA152.3 .Au38v 2008].

Barker, V. C. (2006). *Essential mathematics with applications*. Boston, MA: Houghton Mifflin Co. [QA107 .B245 2006].

Brase, C. (2007). *Understanding basic statistics*. Boston, MA: Houghton Mifflin Co. [HA29 .B736v 2007].

Dupree, J. (2016). *Effective math instruction : shifting to meet today's standards*. Huntington Beach, CA: Shell Education [QA11 .D928 2016].

Larson, R. (2005). *Intermediate algebra*. Boston, MA: Houghton Mifflin Co. [QA154.3 .L329v 2005].

Larson, R. (2007). *College algebra*. New York: Houghton Mifflin [QA154.2 .L329a 2007].

Lial, M. L. (2008). *Beginning algebra*. Boston, MA: Pearson [QA152.3 .L613b 2008].

Math advantage 2006. (2005). El Segundo, CA: Encore Software [QA154.2 .M42 2005].

Mathematical thinking and quantitative reasoning. (2008). Boston, MA: Houghton Mifflin Co. [QA39.2 .M42t 2008].

Mathematical understanding 5-11 : a practical guide to creative communication in mathematics. (2007). London: Paul Chapman [QA135.6 .M42 2007].

Mathematics methods and modeling for today's mathematics classroom : a contemporary approach to teaching grades 7-12. (2002). Australia: Brooks/Cole/Thomson Learning [QA11 .M42m 2002].

McClave, J. T. (2014). *A first course in statistics*. Boston: Pearson [QA276 .M132 2014].

Smith, R. D. (2016). *Mathematics for machine technology*. Boston, MA: Cengage Learning [TJ1165 .Sm64 2016].

Sullivan, M. (2007). *Precalculus : concepts through functions, a unit circle approach to trigonometry*. Upper Saddle River, N.J.: Pearson Prentice Hall [QA331.3 .Su55 2007].

Tan, S. T. (2016). *Mathematics for the managerial, life, and social sciences*. Boston, MA: Cengage Learning [QA37.3 .T158 2016].

Wilson, F. C. (2007). *Finite mathematics*. Boston, MA: Houghton Mifflin Co. [QA39.3 .W693 2007].

Recommended Websites

1. IXL Learning - <https://www.ixl.com>
2. MathTV - <https://mathtv.com>
3. Illustrative Mathematics - <https://curriculum.illustrativemathematics.org>
4. PBS Learning Media - <https://www.pbslearningmedia.org>
5. Enrich - <https://nrich.maths.org>
6. Math Planet - <https://www.mathplanet.com>
7. CliffsNotes - <https://www.cliffsnotes.com/study-guides>
8. Wyzant - <https://www.wyzant.com/resources/lessons/math>
9. Patrick JMT - <http://patrickjmt.com/>