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How you can be good at math, and other surprising facts about learning | Jo Boaler | TEDxStanford**Journal Of Online Mathematics**
Don't know the answer to a math question? Just Gauthmath it. It provides a solution for those who are not a big fan for online classes. In Gauthmath, students don't need to sit tight and listen to ...

Snap, learn, and master math with your own expert
Henry, creator of The Math Party program is all about teaching kids about math and building their confidence through song and dance.

Daytona Beach kids learn math during the summer, and have fun doing it
DAYTONA BEACH — Jakara Lewis has gone from tutoring on the side to authoring and publishing a math textbook for prospective nursing students. "I started the Lewis and Wilder Publishing ...

Gem Next Door: Daytona Beach entrepreneur turned her passion for math into a business
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NCTM Digital Shift
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Forum of Mathematics
SVKM NMIMS one of India leading education institutions with a 40-year legacy of academic excellence has announced six new industry required programs at Su ...

Sunandan Divatia School of Science
With a few notable exceptions, math isn't known for its ability to ... But according to a recent paper published in the Journal of Complex Networks, you might not be as much of a social pariah ...

You're Not As Unpopular As You Thought, Says Math
During this year's camps, 1,500 campers took part in more than a hundred camps. "I had a student come up to me the other day and he said, 'I think ...

Bright Lights Lincoln wraps up 35th year of interactive, educational summer camps
The Covid-19 pandemic that prompted a nationwide shutdown of schools and a shift to online instruction in spring 2020 also prompted a wave of articles calling this instructional change a "natural ...

The Covid-19 Pandemic Is a Lousy Natural Experiment for Studying the Effects of Online Learning
The renewed attention on California's initiative comes as educators in other blue states and cities have moved in a similar direction.

California educators, others, moving to rid mathematics of 'white supremacy culture'
Historically, the teaching and practice of math has been a paper-based exercise. During the pandemic, math went online, and teachers more than ever realized the widespread benefits to creating digital ...

Education Technology Must Be Accessible For All Students
SVKM's NMIMS, one of India's leading education institutions with a 40-year legacy of academic excellence, has announced six new industry required programs at Sunandan Divatia School of ...

NMIMS Sunandan Divatia School of Science introduces six new programs for upcoming academic year
In districts with many students learning online, the share who failed to meet math standards grew by 32 percentage points. In districts with more in-person learning, by comparison, the failure ...

Learning setbacks coming into focus with new testing results
An online math education master's program offers flexibility ... Benefits of membership typically include access to online journals and trade publications, professional development opportunities ...

Online Master's Degree in Math Education
Scientists have recorded major breakthroughs in the application of Artificial Intelligence (AI) in health, weather forecasting and other areas of science.

Advances in application of Artificial Intelligence
By the end of the program, teachers have acquired the skills necessary to make creative contributions to the field, often presenting at conferences and being published in educational journals ... s ...

Master's of Science (MS) Degree in Mathematics Learning and Teaching
Professor Melkior Ornik, of the Department of Aerospace Engineering at the University of Illinois Urbana-Champaign is a mathematician, ...

Research Rebuttal Paper Uncovers Misuse of Holocaust Datasets
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São Paulo, Brazil – A multidisciplinary analysis by a group of Brazilian scientists, published online in the journal Scientific ... Department of Applied Mathematics, Institute of Mathematics ...

Discovering Discrete Dynamical Systems is a mathematics textbook designed for use in a student-led, inquiry-based course for advanced mathematics majors. Fourteen modules each with an opening exploration, a short exposition and related exercises, and a concluding project guide students to self-

discovery on topics such as fixed points and their classifications, chaos and fractals, Julia and Mandelbrot sets in the complex plane, and symbolic dynamics. Topics have been carefully chosen as a means for developing student persistence and skill in exploration, conjecture, and generalization while at the same time providing a coherent introduction to the fundamentals of discrete dynamical systems. This book is written for undergraduate students with the prerequisites for a first analysis course, and it can easily be used by any faculty member in a mathematics department, regardless of area of expertise. Each module starts with an exploration in which the students are asked an open-ended question. This allows the students to make discoveries which lead them to formulate the questions that will be addressed in the exposition and exercises of the module. The exposition is brief and has been written with the intent that a student who has taken, or is ready to take, a course in analysis can read the material independently. The exposition concludes with exercises which have been designed to both illustrate and explore in more depth the ideas covered in the exposition. Each module concludes with a project in which students bring the ideas from the module to bear on a more challenging or in-depth problem. A section entitled "To the Instructor" includes suggestions on how to structure a course in order to realize the inquiry-based intent of the book. The book has also been used successfully as the basis for an independent study course and as a supplementary text for an analysis course with traditional content.

This critical volume responds to the enduring challenge in mathematics education of addressing the needs of marginalized students in school mathematics, and stems from the 2015 Annual Meeting of the North American Group of the Psychology of Mathematics Education (PME-NA). This timely analysis brings greater clarity and support to such challenges by narrowing in on four foci: theoretical and political perspectives toward equity and justice in mathematics education, identifying and connecting to family and community funds of knowledge, student learning and engagement in preK-12 mathematics classrooms, and supporting teachers in addressing the needs of marginalized learners. Each of these areas examines how race, class, culture, power, justice and mathematics teaching and learning intersect in mathematics education to sustain or disrupt inequities, and include contributions from scholars writing about mathematics education in diverse contexts. Included in the coverage: Disrupting policies and reforms to address the needs of marginalized learners A socio-spatial framework for urban mathematics education Linking literature on allywork to the work of mathematics teacher educators Transnational families' mathematical funds of knowledge Multilingual and technological contexts for supporting learners' mathematical discourse Preservice teachers' strategies for teaching mathematics with English learners Toward Equity and Social Justice in Mathematics Education is of significant interest to mathematics teacher educators and mathematics education researchers currently addressing the needs of marginalized students in school mathematics. It is also relevant to teachers of related disciplines, administrators, and instructional designers interested in pushing our thinking and work toward equity and justice in mathematics education.

"This book shares theoretical and applied pedagogical models and systems used in math e-learning including the use of computer supported collaborative learning, which is common to most e-learning practices"--Provided by publisher.

The Mathematical Association of America (MAA) presents the full text of the January 2001 edition of "Journal of Online Mathematics and its Applications (JOMA)," which was the first issue of the journal ever published. The journal contains active learning materials aimed at college students of mathematics. JOMA is the journal of the Mathematical Sciences Digital Library (MathDL).

Online education has become a major component of higher education worldwide. In mathematics and statistics courses, there exists a number of challenges that are unique to the teaching and learning of mathematics and statistics in an online environment. These challenges are deeply connected to already existing difficulties related to math anxiety, conceptual understanding of mathematical ideas, communicating mathematically, and the appropriate use of technology. Teaching and Learning Mathematics Online bridges these issues by presenting meaningful and practical solutions for teaching mathematics and statistics online. It focuses on the problems observed by mathematics instructors currently working in the field who strive to hone their craft and share best practices with our professional community. The book provides a set of standard practices, improving the quality of online teaching and the learning of mathematics. Instructors will benefit from learning new techniques and approaches to delivering content. Features Based on the experiences of working educators in the field Assimilates the latest technology developments for interactive distance education Focuses on mathematical education for developing early mathematics courses

This book offers a counterpart to the extensive corpus of literature available on the same topic from a Western perspective. It showcases innovative approaches to professional development of mathematics teachers in Asian countries, and reports on both empirical and expository studies of teachers' professional development in these counties. It provides scholars from non-English-speaking and under-represented Asian countries the opportunity to engage in discourse with other scholars in the field, and is the first book to present substantial contributions from scholars in Asia on the professional development of mathematics teachers in their respective countries. It includes perspectives that shed valuable light on how the approaches pursued in Asian countries resemble or differ from those in the West.

"This book provides innovative insights into technology applications and tools used in teaching mathematics online and provides examples of online learning environments and platforms that are suitable for meeting math education goals of inquiry, investigation, reasoning, and problem solving"--

The first graduate-level text devoted to the subject, this classic offers a concise history and overview of methods as well as an excellent exposition of the mathematical foundations underlying classical operations research procedures. It begins with a review of historical, scientific, and mathematical aspects; examples and ideas related to classical methods of forming models introduce discussions of optimization, game theory, applications of probability, and queuing theory. Carefully selected exercises illustrate important and useful ideas. This text is an ideal introduction for students to the basic mathematics of operations research as well as a valuable source of references to early literature on operations research. 1959 edition.

This is the first book to present a detailed discussion of both classical and recent results on the popular Cahn-Hilliard equation and some of its variants. The focus is on mathematical analysis of Cahn-Hilliard models, with an emphasis on thermodynamically relevant logarithmic nonlinear terms, for which several questions are still open. Initially proposed in view of applications to materials science, the Cahn-Hilliard equation is now applied in many other areas, including image processing, biology, ecology, astronomy, and chemistry. In particular, the author addresses applications to image inpainting and tumor growth. Many chapters include open problems and directions for future research. The Cahn-Hilliard Equation: Recent Advances and Applications is intended for graduate students and researchers in applied mathematics, especially those interested in phase separation models and their generalizations and applications to other fields. Materials scientists also will find this text of interest.

This classic of the mathematical literature forms a comprehensive study of the inequalities used throughout mathematics. First published in 1934, it presents clearly and exhaustively both the statement and proof of all the standard inequalities of analysis. The authors were well known for their powers of exposition and were able here to make the subject accessible to a wide audience of mathematicians.

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