

***OECD Digital Education Outlook 2021
Pushing the Frontiers with Artificial
Intelligence, Blockchain and Robots
2021-06-08***

how might digital technology and notably smart technologies based on artificial intelligence ai learning analytics robotics and others transform education this book explores such question it focuses on how smart technologies currently change education in the classroom and the management of educational organisations and systems

***Algorithmic Rights and Protections for
Children 2023-06-27***

essays on the challenges and risks of designing algorithms and platforms for children with an emphasis on algorithmic justice learning and equity one in three internet users worldwide is a child and what children see and experience online is increasingly shaped by algorithms though children s rights and protections are at the center of debates on digital privacy safety and internet governance the dominant online platforms have not been constructed with the needs and interests of children in mind the editors of this volume mizuko ito remy cross karthik dinakar and candice odgers focus on understanding diverse children s evolving relationships with algorithms digital data and platforms and offer guidance on how stakeholders can shape these relationships in ways that support children s agency and protect them from harm this book includes essays reporting original research on educational programs in ai relational robots and scratch programming on children s views on digital privacy and artificial intelligence and on discourses around educational technologies shorter opinion pieces add the perspectives of an instructional designer a social worker and parents the contributing social behavioral and computer scientists represent perspectives and contexts that span education commercial tech platforms and home settings they analyze problems and offer solutions that elevate the voices and agency of parents and children their essays also build on recent research examining how social media digital games and learning technologies reflect and reinforce unequal childhoods contributors paulo blikstein izidoro blikstein marion boulicault cynthia breazeal michelle ciccone sayamindu dasgupta devin dillon stefania druga jacqueline m kory westlund aviv y landau benjamin mako hill adriana manago siva

mathiyazhagan maureen mauk stephanie nguyen w ian o byrne
kathleen a paciga milo phillips brown michael preston
stephanie m reich nicholas d santer allison stark elizabeth
stevens kristen turner desmond upton patton veena vasudevan
jason yip

Learning Mathematics Successfully

2019-09-01

the goal of this book is to bring together the concept of self efficacy theory with practical how to strategies for both teachers and parents to use in heightening their students levels of self efficacy the book examines how self efficacy theory relates to the acquisition of mathematical competence the text also provides specific and practical how to strategies for both teachers and parents in applying these principles to classroom mathematics instruction and activities the self efficacy practices and applications to mathematics are also suitable for families working with learners outside the school environment acquiring mathematical skills requires more than knowing arithmetic tables memorizing rules and knowing proofs it requires a basic belief that one is capable of obtaining this information making sense of it and applying and generalizing it in mathematical problems in addition a student must believe that obtaining these skills leads to a positive outcome whether it is perceived to be a good or passing grade comfort level in tackling mathematical problems being able to advance to the next mathematics course being able to score highly on the math section of the sat and or be competitive for a desired job the ability of students to achieve and exceed grade level competence in mathematics is addressed through the lens of albert bandura s self efficacy theory this theoretical position states that one will persist in mastering a behavior in this case mastering mathematical principles and skills in the face of obstacles or failures to the extent that one believes he or she has the ability to do so and that there is a desired outcome for doing so the research literature on the role of self efficacy in mathematic instruction is examined to demonstrate the validity of using this concept to increase student and parent teacher confidence in learning and applying grade appropriate math content specific teaching methodologies will be provided that infuse self efficacy strategies for students lastly teachers and parents are provided strategies to increase their own self efficacy when it comes to conveying mathematics principles to their child or student as well as strategies to assess their students level of self efficacy

over time teaching and learning mathematics so that students achieve success at their grade level or above can present a variety of challenges one barrier that affects learners is the belief that one is not capable of learning mathematics or not naturally talented in the field not a math person as a result learners may not believe they are capable of a positive outcome for achieving mathematics success this book is an important resource for pre service and in service teachers as well as families in applying the theory of self efficacy to support learners in becoming confident and assured in their ability to understand and apply mathematical principles and procedures coupled with classroom ready mathematics instructional strategies the book provides readers with the background tools and strategies needed to carry content success and confidence forward to remain persistent in solving all future mathematical problems

An Answer to Disenfranchised Students **2016-09-01**

many school districts across this great nation are facing serious patterns of underachievement of students who do not fit well in a mainstream educational environment the purpose of this qualitative phenomenological research study was to explore the perceptions and experiences of graduates from a credit recovery nontraditional alternative high school that influenced his or her graduation nationally many high school students are not earning sufficient credits to remain on grade level with their freshman level cohort these at risk students need options with stronger incentives to obtain high school credits and meet graduation requirements credit recovery nontraditional alternative high schools involve an at risk student population who are at a greater risk of academic social and emotional struggles these students benefit from additional support that a nontraditional setting offers this study involved interviewing 12 high school graduates who attended and graduated from a credit recovery nontraditional alternative high school there was a diversified group by age and other demographics representing five graduating classes with this research study the investigator determined graduates perceptions of credit recovery in their nontraditional alternative high school were overwhelmingly positive the lived experiences explored in this study may help school leaders policy makers teachers staff parents and community partners understand the unique needs of this population

COVID-19 2020-12-27

COVID-19 2020-12-27

the sars cov 2 virus and the associated covid 19 pandemic is perhaps the greatest threat to life and lifestyles the world has known in more than a century the scholarship included here provides critical insights into the ethics and ideologies inequalities and changed social understandings that lie at the heart of this pandemic this volume maps out the ways in which the pandemic has impacted most often disproportionately societies the successes and failures of means used to combat the virus and the considerations and future possibilities both positive and negative that lie ahead while the pandemic has brought humanity together in some noteworthy ways it has also laid bare many of the systemic inequalities that lie at the foundation of our global society this volume is a significant step toward better understanding these impacts the work presented here represents a remarkable diversity and quality of impassioned scholarship and is a timely and critical advance in knowledge related to the pandemic this volume and its companion covid 19 volume ii social consequences and cultural adaptations are the result of the collaboration of more than 50 of the leading social scientists from across five continents the breadth and depth of the scholarship is matched only by the intellectual and global scope of the contributors themselves the insights presented here have much to offer not just to an understanding of the ongoing world of covid 19 but also to helping us re build and better shape the world beyond

The Little Book for Teachers Who Think Big 2022-11-08

this book appeals to the aspiring or veteran teacher who wants to be innovative in their approach or management to teaching in the classroom while there are many how to books out there to help teachers with methods to be effective in the classroom the little book for teachers who think big emphasizes how a teacher should teach in the current standardized testing environment this is critical for today s teacher to understand how to practically teach and to be effective in behavior and time management student issues lesson planning and maintaining a balance of our professional and personal life there were over 25 current and retired teachers who were interviewed for this book that provided their advice along with the author to improve the classroom

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