

# Presentation & Workshop Catalog

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# Presentation & Workshop Descriptions

## **Future of Teaching and Learning Series Synopsis:**

This presentation series examines education as a futures business. Educators need to become futurists so they can move beyond their existing assumptions about teaching, learning, and assessment. The presentations outline a range of practical and explicit strategies that blend the best of what we currently do in the classroom with new approaches that address the changing realities of the modern world and modern students. The presentations include:

### **Windows on Tomorrow**

Today's world is constantly on the move. The rate of change is so profound that you can't trust your eyes to show you reality because they're really showing you history. This presentation challenges your assumptions about the world we live in and the future we're heading for by carefully examining the significance of several global exponential trends. *Windows on Tomorrow* forces us to consider how these trends affect and will continue to affect our personal and professional lives, our children, our learning institutions, the nature of teaching and learning, and even our definition of intelligence. Attendees will be provided with access to an extensive digital library of resources aligned to the *Windows on Tomorrow* presentation.

### **Welcome to the Digital Revolution: Education in the Age of Disrupted Learning**

In today's digital landscape, we are witnessing the Age of Disrupted Learning - an incredibly turbulent time where every part of society is experiencing upheaval as the result of the pervasive nature of disruptive change. To thrive in these chaotic times, our schools, like our businesses, communities, and families, must continuously adapt





to changing conditions. This presentation examines the changing nature of our world; identifies the critical 21st-century skills not being addressed by our current educational system; and specifically identifies how we can effectively engage learners so that they can perform exceptionally well on traditional exams, while simultaneously learning the critical new basics needed to excel in both school and life beyond school. Attendees will be provided with access to an extensive digital library of resources aligned to the *Education in the Age of Disrupted Learning* presentation.

## **Beyond the Digital Revolution: Tertiary/Post-Secondary Education in the Age of Disruption**

The traditional four-year college experience is as British as “Bob’s your uncle.” So is the belief that higher education provides a one-way ticket to a better life. But with student debt out of control and unemployment of college graduates at historic levels, people are beginning to question that value. In this provocative session, the presenter argues that the higher education system as we know it is broken. The great credential race has fostered an environment where even middle-tier institutions can charge elite university-level tuition while concealing staggeringly low graduation rates and churning out graduates with few of the skills needed for a rapidly evolving economy. The presentation not only turns a critical eye on the current state of higher education but also predicts how technology and innovative thinking will transform it for the better. Mobile devices, social networks, games-based and virtual learning environments, hybrid classes, adaptive learning software, the unbundling of traditional degree credits, and the Uberfication of education will expand access to high-quality education regardless of budget or location, and tailor lesson plans to individual needs. One thing is certain—the Class of 2022 will have a radically different college experience than their parents. Attendees will be provided with





access to an extensive digital library of resources aligned to the Beyond the *Digital Revolution* presentation.

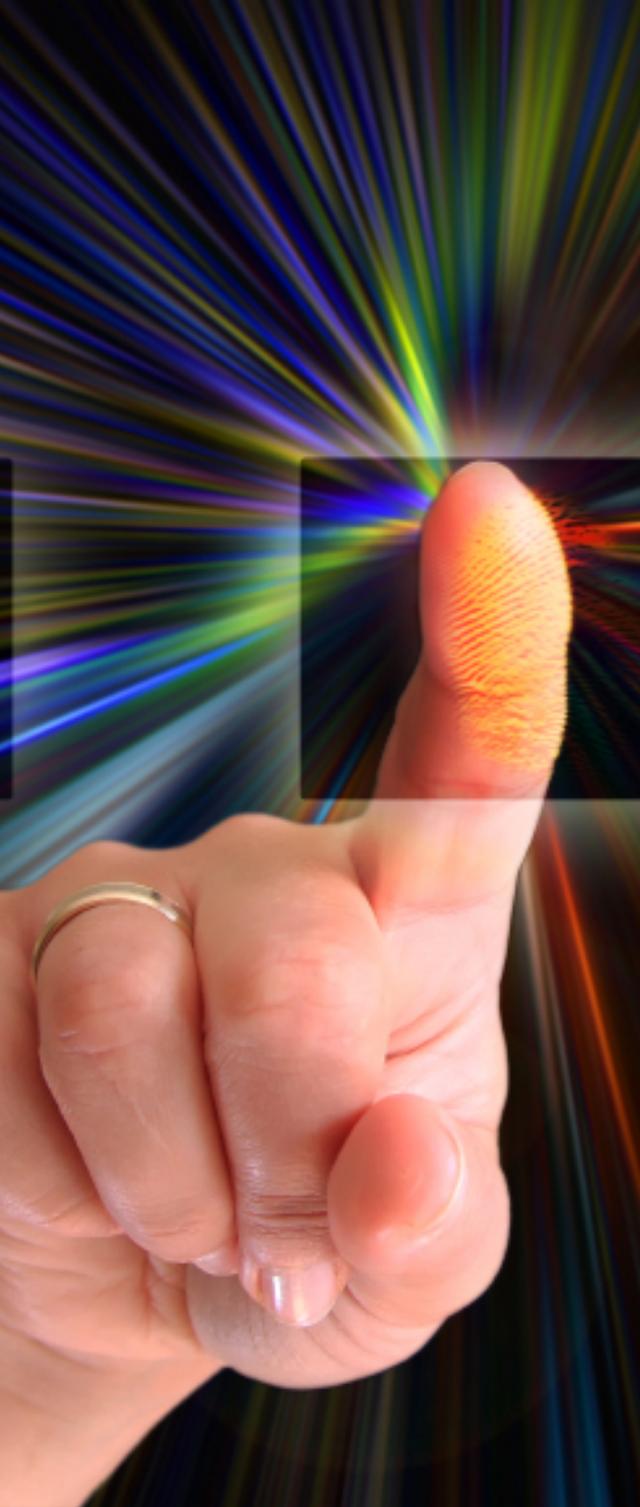
## **Getting It Right In a Connected World: A Brief History of the Future of Education**

There's no point in talking about changing specific instructional strategies without first addressing the elephant in the room — that being the invisible force of mindset that unconsciously shapes daily practice. If we don't first tackle this issue, all that will happen is that educators will continue to take new ideas and attempt to graft them on to traditional approaches to teaching, learning, and assessment. This presentation demonstrates how to plan effectively by living life like a quarterback, starting with the end in mind, and thinking in the future tense. It identifies a range of practical, proven strategies and resources that blend the best of what we currently do in the classroom with new approaches that address the changing realities of the modern world and modern students. Attendees will be provided with access to an extensive digital library of resources aligned to the *Getting It Right In a Connected World* presentation.

## **Looking Back, Looking Forward**

If you were to ask any group made up of individuals from both inside and outside the current school system to define what the biggest problem facing education today, you'd likely get a broad range of answers and some very strong opinions. Their answers would probably vary from inexplicably vague notions like "not enough technology" or "kids don't listen anymore," to more informed insights that tackle crucial issues like a need for developing critical thinking, problem-solving mindsets, and other modern learning skills in our future thinkers and leaders.





This workshop outlines the importance of learning how to “think in the future tense.” It is the notion of viewing our educational policies and practices as a split screen where one eye is focused on the present short-term goals, while the other is focused on the long-term aspects of the future that this interactive workshop will focus on. Come ready to roll up your sleeves and be prepared to take a hard look at the current state of education, and to share your perspectives on where we need to go and how we need to get there. In this session, you’re going to discover precisely what it means to think in the future tense, how this technique applies to education, and why it is so important that our current educational paradigms make way for this kind of mindset. Let’s take a look at the future and see how we can prepare ourselves and our students for the world of tomorrow today and changing the way we think by Looking Back and Looking Forward. Attendees will be provided with access to an extensive digital library of resources aligned to the *Looking Back, Looking Forward* presentation.

### **The Always-on Generation Series Synopsis**

This series looks at the always-on generation and the altered ways in which they learn. In an age of hyperinformation, we face a fundamentally different kind of student. A student whose experiences, expectations, and assumptions about the world they live in have already begun to force us to rethink teaching, learning, and assessment completely. These presentations can be customized for your organization to highlight the core attributes of the digital generation, gaming strategies and motivation, new media tools for learning, and debunking educational myths. The presentations include:





## **Understanding the Always-on Generation: Hyperinformation and the Rewiring of the Human Brain**

The rapid emergence of online digital technology has bombarded people living in the modern world with a myriad of multimedia experiences. These experiences have had a profound effect on how people process information. No one has been more affected than the younger generations who have grown up in the new digital landscape. This presentation examines how hyperinformation experiences have rewired the brain of the always-on generation; and what this means for teaching, learning, and assessment strategies in the modern world. Attendees will be provided with access to an extensive digital library of resources aligned to the *Understanding the Always-on Generation* presentation.

## **Reinventing Learning for the Always-on Generation: New Connections**

Based on the award-winning book of the same name, this session looks at the modern world, examines the new entry skills students will need to be successful in digitally infused working environments and provides a comprehensive profile of 10 core learning attributes of digital learners. What are the new thinking skills our students will require, and how must we shift instruction to ensure we are equipping them with these skills? *New Connections* provides a practical look at how we can teach effectively in a time when emergent technologies cascade onto the new digital landscape. Participants will be provided with access to an extensive digital library of resources aligned to the core learning attributes outlined the *Reinventing Learning presentation*.





## **Reinventing Learning for the Always-on Generation: Strategies That Work**

Because of digital bombardment and the emergence of the new digital landscape, today's youth process information, interact and communicate in fundamentally different ways than any previous generation before them. Meanwhile, many of us, having grown up in a relatively low-tech, stable, and predictable world, are struggling with the speed of change, technological innovation, and the freedom to access the overwhelming sea of information online — all defining characteristics of the digital world of both today and the swiftly approaching future. Based on the book *Reinventing Learning for the Always-on Generation, Strategies That Work* this presentation provides a comprehensive profile of ten core learning attributes of digital learners, and the core teaching, learning, and assessment strategies that can be used to appeal to their digital lifestyle and learning preferences. You'll gain a clear understanding of various research-based strategies to optimize learning for the digital generation in the new digital landscape. Participants will be provided with access to an extensive digital library of resources aligned to the *Reinventing Learning presentation*.

## **Reinventing Learning for the Always-on Generation: Digital Tools That Work**

There is no shortage of apps, resources, and devices for teachers and students of all ages to choose from. The key is how to effectively use these tools to cultivate critical thinking and problem-solving skills, increase teacher and student productivity, spark innovation and creativity, encourage positive collaboration, and develop the essential communication skills needed by students, teachers and parents alike. Based on the book *Reinventing Learning for the Always-on Generation*, this presentation





identifies a series of pressure-tested free and inexpensive digital tools to utilize for powerful learning experiences in modern classroom environments. Participants will come away with a clear understanding of tools that are the new basics for teaching, learning, and assessment in the digital world.

## **An Introduction to Modern Learning Series Synopsis**

Based on the forthcoming books *Teaching with the Future in Mind* and *A Brief History of the Future of Education*, this series focuses on the new basics for learning in the modern world. The future will have different challenges, different learner requirements, and require different learning tools. We need to equip students with a new and fundamentally different set of skills so that they can thrive in the new global economy. The presentations include:

### **An Introduction to Modern Learning: Learning, Unlearning, Relearning, Repeat**

There is a longstanding mindset for how teachers teach. The challenge is that this approach was developed for a world that increasingly does not exist. The future will have very different challenges and learner requirements and necessitate very different learning tools. To help our students prepare themselves for the future that awaits them once they leave school, educators must keep one eye on the present; and the other on where the world is headed. How do we equip students with a new and fundamentally different set of skills needed to thrive in the new global economy, while simultaneously ensuring that they continue to be successful on the tests required to demonstrate that they have learned the content in the curriculum? This presentation outlines a new approach to teaching, learning, and assessment that introduces nine essential skills all students will need for success in the modern world.





Participants will be provided with access to an extensive digital library of resources aligned to the *An Introduction to Modern Learning* presentation.

## Teaching in the Digital Age: An Introduction To the Just-In-Time Teaching and Learning (JITTL) Model

Just-in-time Teaching and Learning (JITTL) is a blended instructional model that provides real-world contexts to classroom learning experiences as a way to engage and motivate students. This presentation shows teachers how to seamlessly shift the focus from a teacher-centred instructional model to one of discovery learning. JITTL provides real-world, personally relevant, highly motivating challenges to students as the primary vehicle for introducing curriculum content.

Teachers will learn strategies that will enable them to simultaneously teach both the content as well as the essential 21st-century skills. The model challenges students to independently and collaboratively examine their present knowledge, add to it, and then apply the newly constructed knowledge to solve real-world problems. The beauty of JITTL is that it doesn't require a wholesale shift in a teacher's existing instructional paradigm. This model enables teachers to empower learners, and as comfort levels increase, teachers can progressively make the transition away from traditional instruction, passive learning, and content-based assessment. Participants will learn a simple and flexible step-by-step process for introducing the JITTL model, together with practical tools to enhance the process; and will be provided with access to an extensive digital library of resources aligned to the *An Introduction To the Just-In-Time Teaching and Learning* presentation.





## **An Introduction to Split-Screen Planning: A New Instructional Approach for Modern Learning**

Teachers today face a formidable challenge. With the world rapidly changing outside the school system, teachers must deal with the expectation that they are equipping their students with the skills that they will need to thrive in a future driven by technological change. This is a world that is increasing exponentially. At the same time, they must also deal with an unprecedented level of accountability for the academic performance of their students. How can educators handle both of these challenges simultaneously? How do you prepare students for success in life in the 21st-century while at the same time getting them prepared for the tests they have to write? With all the pressure to get students to meet standards set by the Ministry/Department of Education, it seems almost impossible to devote much time and effort to anything else.

This presentation introduces participants to a new approach to teaching that will empower teachers to address both these instructional challenges. It outlines the eight essential skills needed for success in the future and then demonstrate a new instructional strategy that will enable teachers to teach these skills to students while getting them ready for the tests they must write. Participants will be provided with access to an extensive digital library of teacher and student resources aligned to the *An Introduction to SplitScreen Planning* workshop.

### **Q-Focus: Teaching Students Higher Order Questioning Skills**

In a traditional classroom, instruction and inquiry flow almost entirely in one direction — from the teacher to the student. Students are rewarded for having the right answer, not for asking good questions. A recent study indicated that the



average pre-school child asks 100 questions per day. By the intermediate level, the number of questions asked approaches zero. Why is there such a drastic decrease in the frequency of significant behavior that seems to come naturally to most children when they're very young? This compelling presentation outlines a simple 5 stage process that can be introduced to students in a single session which teaches them how to consistently ask higher order questions. Participants will be provided with access to an extensive digital library of teacher and student resources aligned to the *Q-Focus* (Question Focus) techniques.

## **Modern Learning Workshops Synopsis**

In our award-winning book *Reinventing Learning for the Always-on Generation*, we identify a series of essential process skills that will empower students for personal and professional achievement for the rest of their lives. In 1993, Ian Jukes introduced educators to the concept of the Modern Fluencies. The fluencies were the essential mental process skills needed by everyone to live, work, and learn in modern times. These fluencies included: Intra-personal skills, Interpersonal skills, Solution Fluency, Collaboration Fluency, Information Fluency, Media Fluency, Creativity Fluency, and Global Citizenship. More than twenty years on, the relentless forces of change and disruption compelled Ian to rethink the Modern Fluencies. He has developed the Modern Learning series to ensure that all of our students can thrive in modern times. The sessions offered include:

## **Introduction to Critical Thinking Through Real-World Problem Solving**

The new digital age is upon us, heralding a future coming at us like a runaway locomotive. As a result, our world is ever-changing and always challenging. The children of today are the builders of tomorrow—they both need and deserve a skill set that stresses critical thinking and develops a mindset of discovering innovative





solutions to complex problems. In this workshop, we take a careful look at one of the vital modern learning skills that focus on a creative thought process designed to foster problem-solving skills and a real-time application of the comprehensive 9D's thinking model—*Define, Discover, Dream, Determine, Design, Deliver, Diagnose, Debrief, and Decide*. You'll see how today's "just-in-time" learners can employ CDM (Convergent, Divergent, Metacognitive) thinking skills to discover and create effective solutions and apply them to the everyday challenges of modern life. Participants will be provided with access to an extensive digital library of resources specifically aligned to the *Introduction to Critical Thinking Through Real World Problem Solving*.

## **Simple and Effective Strategies for Building Strong Collaborative Learning Environments**

What does collaboration in education really mean? And how do we develop collaboration skills in our students while still addressing the mandates of the curriculum? Collaboration in its simplest and most understandable form is getting individuals, who may or may not have similar interests, to work together in an organized endeavor to a satisfying and appropriate group end. This comprehensive, hands-on workshop outlines the steps in the collaborative problem-solving process; identifies the collaborative skills to be developed; identifies the Do's & Don'ts for student grouping; explains strategies for fostering collaborative discussion; recommends learning tips, ideas, and strategies that work; provides a range of resources and downloads; outlines a wide variety of collaborative and whole group activities for developing productive group work; and provides a range of collaboration rubrics and self-assessment tools. Participants will also be provided with access to an extensive digital library of resources specifically aligned to the *Simple and Effective Strategies for Building Strong Collaborative Learning Environments* workshop.





## Inspiring Creativity Through Imagination and Innovation

Where does creativity come from? How are we inspired to be creative? What thought processes lead us to forge exceptional and unique products and concepts that speak to us on unseen and personal levels, shaping our thinking and inspiring strong opinions and feelings in others? And how can businesses and education make use of these powerful qualities, and be driven to excel? This workshop focuses on the mental processes that help bring passion to presentation, story to structure, and emotion to innovation. Discover how artistic proficiency adds meaning and relevance through design, art, and storytelling by incorporating the 5I's process—Identify, Inspire, Interpolate, Imagine, and Inspect. Participants will be provided with access to an extensive digital library of resources specifically aligned to the *Inspiring Creativity Through Imagination and Innovation* workshop.

## Truth Is Dead and the Internet Killed It: Strategies That Work in the Age of Fake News, Misinformation, and Myth-information

We live in a society that has been profoundly affected by InfoWhelm and HyperInformation—a world of instantaneous access to a wealth of digital resources. As a result, almost overnight, learning has become something that can happen anytime, anywhere. But in a time of fake news, misinformation, and mythinformation, we face a significant challenge. How do we separate good from bad, interpret right from wrong, and distinguish complete, accurate, and usable information from a sea of irrelevance and digital inundation? An understanding of the skills to help us effectively find and apply the abundance of information at our fingertips is essential to life and necessary for success both inside and outside the classroom.





This workshop examines the critical skills that help students extract essential knowledge, verify authenticity, and perceive meaning and significance. Using a simple 5A's process, (Ask, Access, Analyze & Authenticate, Apply, Assess) participants will be able to help their students learn to identify, locate, collect, authenticate and use information to solve real world tasks and challenges. Participants will be provided with access to an extensive digital library of resources specifically aligned to the Introduction to the Strategies That Work in the Age of Fake News, Misinformation, and Mythinformation workshop.

## **Shifting to Process-based Teaching: A Step-by-step Approach to Modern Instruction**

In a time of high-stakes testing and accountability for all, content is quickly forgotten. Only process skills (aka the fluencies) remain in times of radical and persistent change. This workshop outlines a new instructional strategy that engages modern students and promotes teaching that is relevant to both the world students live in, as well as the one they will experience in the future. This simple approach enables teachers to prepare students for traditional tests that require them to demonstrate they have learned the content; but also allows them to go much further to master the process skills essential for long-term success. Topics to be addressed include: promoting discovery learning, enhancing content with personal meaning, creating problem and project-based learning environments, making real world connections, critical thinking through a 9D's approach to problem solving, ensuring a focus on HOTS not just LOTS, developing cross-curricular learning opportunities, holistic evaluation, and using progressive withdrawal and useful failure to shift the responsibility for learning from the teacher to the student where it belongs. The model promotes the creation of active, relevant, real-world, effective, hands-on, networked, innovative, personal, and transformative learning environments. Participants will be provided with access to an extensive digital library of resources





specifically aligned to the *Introduction to the Shifting to Process-based Teaching* workshop.

## **Communication In the Digital Age**

Amongst the younger generations, visual communication is increasingly challenging the supremacy of traditional reading and writing. While reading and writing will always have a place, in an increasingly visual world, visual communication and design must be an every day part of the curriculum — not just for senior students - but for students at every grade level and in every subject area. Modern digital media has fundamentally changed the essential skills we all need to be informed consumers and producers of media in the world today.

Students and teachers alike must be able to communicate as effectively in multimedia formats as we, the older generations, were taught to communicate with text and speech when we were growing up. The 3 R's are still very important, but in the modern world, traditional literacy is no longer enough. We all need to understand how differently modern readers read digital text from the way we read traditional paper-based text. Students and teachers alike need to understand modern information communication skills such as the principles of graphic design; how typography shapes thinking; the effective use of colour; the principles of photo composition; sound production techniques; and the fundamentals of video production; not to mention how we use all of these skills to effectively communicate to different audiences. The bottom line is that in the new digital landscape, traditional literacy — traditional reading and writing — is no longer enough. This workshop focuses on the new basics of modern communication needed by all of us — not replacing traditional reading and writing...at least not yet — but rather augmenting traditional communications skills. Participants will be provided with access to an extensive digital library of resources specifically aligned to the *Communications In the Digital Age* workshop.





## Building Global Connections Through Collaboration and Communication

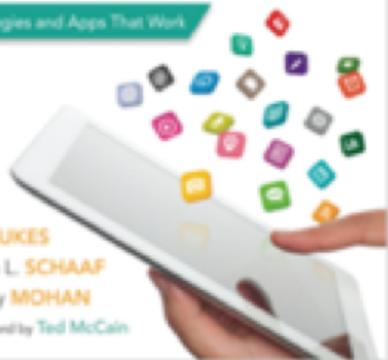
Students and workers in the modern world are living in an environment that increasingly requires the ability to collaborate both virtually and in person. New digital technologies social networking, and InfoWhelm have broken down long-standing barriers of communication in our society. This has created a global economy. Our neighborhoods and suburbs are no longer just outside our back doors—they're all over the planet, and education and business are looking ahead to the strong partnerships and team environments that will define their future, and connect them to the modern world. Effective global citizens can work and interact with partners in both real and virtual settings. The Building Global Connections Through Collaboration and Communication presentation provides a comprehensive overview of the skills that the architects of our digital age will need to successfully forge partnerships and interact and prosper in both real and digital environments using the 5E's—Establish, Envision, Engineer, Execute, and Examine. Participants will be provided with access to an extensive digital library of resources specifically aligned to the *Building Global Connections Through Collaboration and Communication* workshop.



# Reinventing Learning for the Always-On Generation

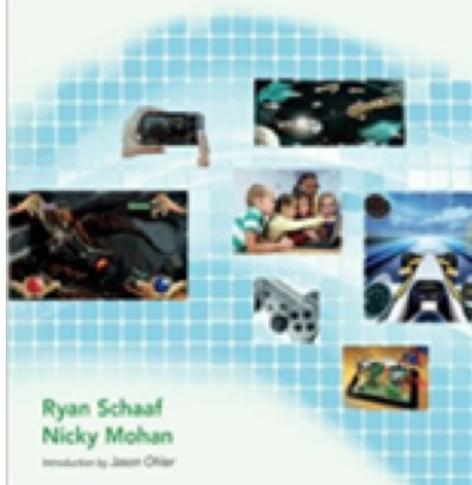
Strategies and Apps That Work

Ian JUKES  
Ryan L. SCHAAF  
Nicky MOHAN  
Foreword by Ted McCain



# Making School A GAME WORTH PLAYING

DIGITAL GAMES IN THE CLASSROOM



Ryan Schaaf  
Nicky Mohan  
Introduction by Jason Ohler

*Solutions for Digital Learner-Centered Classrooms*

# Using Digital Games as Assessment and Instruction Tools



Ryan L. Schaaf

A BRIEF HISTORY OF THE

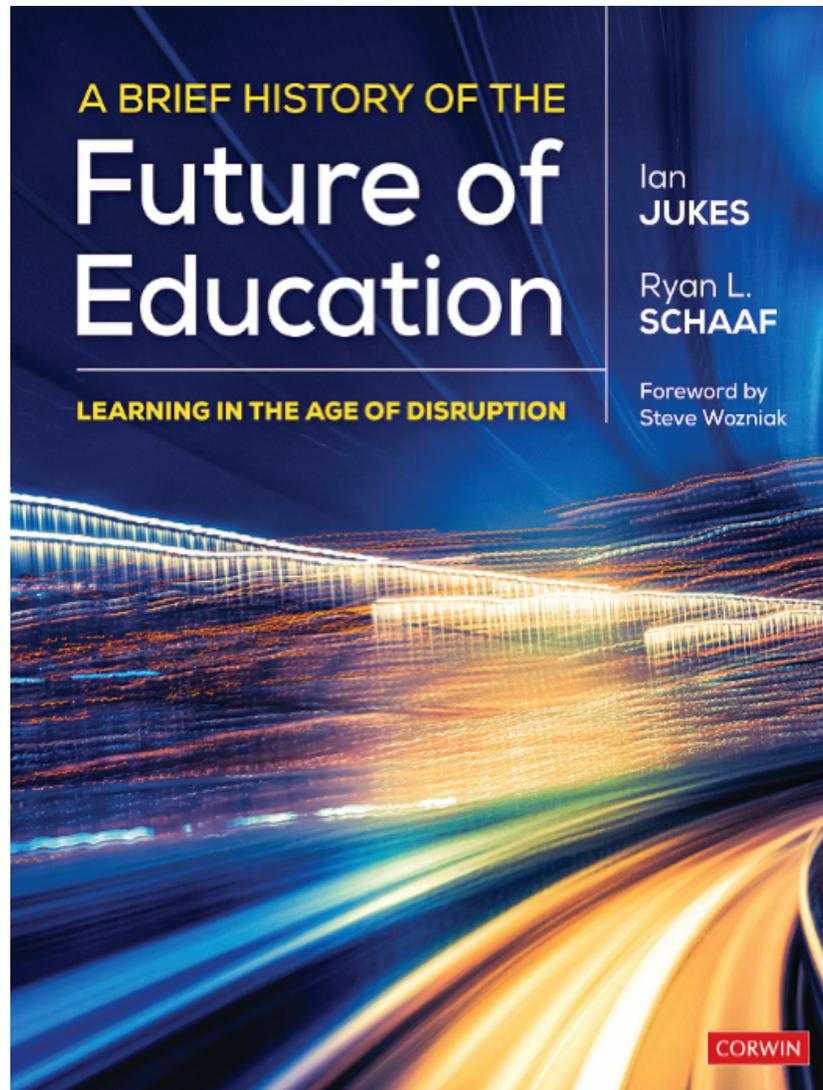
# Future of Education

Ian JUKES

Ryan L. SCHAAF

Foreword by Steve Wozniak

LEARNING IN THE AGE OF DISRUPTION



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