

EDUCATION Technology

and VIRTUAL Learning

Virtual Retreat

Tuesday, May 17
to Friday, May 20, 2022



ABOUT THE RETREAT

Children and Screens

is hosting a groundbreaking, virtual research and education retreat on Education Technology and Virtual Learning from ***Tuesday, May 17*** through ***Friday, May 20***.

The ***Education Technology and Virtual Learning Retreat*** will address compelling and critical questions about education technology use both inside and outside of the classroom, as well as what we've learned and what we need to know in light of the COVID-19 pandemic. We hope to elucidate how education technology is shaping teaching practices and learning experiences, its efficacy, and broad impacts on student outcomes - with an emphasis on where to go from here.

KEY RETREAT TOPICS INCLUDE:

- **The past, present, and future of edtech and virtual learning**
- **Student learning experience and outcomes**
- **Impacts to students' cognitive, social-emotional, and physical well-being**
- **Teacher and administrator experiences and challenges**
- **Digital divides and access**
- **Student data and privacy**
- **Edtech legislation and policy**

ABOUT THE RETREAT

THROUGH THIS INTERDISCIPLINARY RETREAT, WE WILL:

- **Discuss and advance the state of the science regarding the use of digital technology in education - within the classroom and at home**
- **Clarify its challenges, successes, and implications for education, research, and policy**
- **Collaborate on the following post-retreat deliverables, according to your role:**
 - **Future research agenda in this area**
 - **Resource for educators, administrators, parents and policymakers (see next line)**
 - **Policy brief to promote sound legislation to improve educational outcomes**
- **Provide a forum to discuss new interdisciplinary research proposals that will be funded by \$100K-\$300K seed grants from Children and Screens**





AGENDA

DAY 1 Tuesday, May 17 10am-1pm ET

What is the experience of teachers and administrators with education technology and virtual learning? What do researchers need to know?

10:00 am

WELCOME AND OVERVIEW



Dimitri Christakis, MD, MPH

Editor-in-Chief, JAMA Pediatrics,
Director of the Center for Child Health, Behavior and Development,
Seattle Children's Research Institute,
George Adkins Professor of Pediatrics,
Adjunct Professor of Psychiatry, and
Adjunct Professor of Health Services,
University of Washington School of Medicine



Pam Hurst-Della Pietra, D.O.

Founder and President Emerita,
Children and Screens: Institute of Digital Media and Child Development,
Clinical Assistant Professor of Pediatric Public Health,
Department of Family, Population & Preventive Medicine,
Stony Brook Medicine



Kris Perry, MSW

Executive Director,
Children and Screens: Institute of Digital Media and Child Development

PRERECORDED

PRESENTATIONS

What do we know about Education Technology (i.e., uses, efficacy, etc.) in the classroom, and at home?



Elizabeth Albro, PhD

Commissioner of Education Research at the Institute of Education Sciences (IES),
U.S. Department of Education

*Education Technology in K-12:
The Role of Research*

WATCH



Teachers' Voices on Education Technology and Virtual Learning

WATCH



AGENDA

DAY 1 Tuesday, May 17 10am-1pm ET

10:05 am

DISCUSSION

What do we know about Education Technology (i.e., uses, efficacy, etc.) in the classroom?



Speaker / Discussant

Elizabeth Albro, PhD

Commissioner of Education Research at the Institute of Education Sciences (IES), U.S. Department of Education



Discussant

Jeffrey Solan

Superintendent of Schools, Cheshire Public Schools

10:20 am

BREAKOUT GROUPS

Experiences with education technology in the classroom and at home

GUIDING QUESTIONS

Primary School Breakout Group Leaders



Dimitri Christakis, MD, MPH

Editor-in-Chief, JAMA Pediatrics, Director of the Center for Child Health, Behavior and Development, Seattle Children's Research Institute, George Adkins Professor of Pediatrics, Adjunct Professor of Psychiatry, and Adjunct Professor of Health Services University of Washington School of Medicine

Middle / High School Breakout Group Leaders



Kristen Mattson, EdD

Adjunct Professor of Information Sciences, University of Illinois; Managing Partner, Edvolve



Bill Bernhard

Principal, Ward Melville High School

11:20 am

BREAK

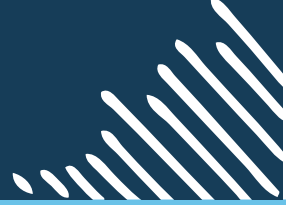
11:30 am

SPECIAL MESSAGE



Kristina Ishmael, MA, MS

Deputy Director, Office of Ed Tech, U.S. Department of Education



AGENDA

DAY 1 Tuesday, May 17 10am-1pm ET

PRERECORDED

What do we know about virtual learning during the Covid-19 pandemic?



Justin Reich, PhD
Associate Professor,
Massachusetts Institute of Technology
Change and Continuity: Paradoxes of Pandemic Teaching with Technology

WATCH



Matt Miles, MEd
Teacher and co-author
of Screen Schooled
Falling Short: A Review of Educational Technology's Effectiveness during the Pandemic

WATCH



Kristen Turner, PhD
Professor and Director of Teacher Education,
Caspersen School of Graduate Studies,
Drew University
Pandemic Lessons? It's About the Art of Great Teaching

WATCH

11:35 am

DISCUSSION

What do we know about virtual learning during the Covid-19 pandemic?



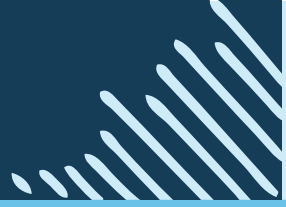
Speaker / Discussant
Justin Reich, PhD
Associate Professor,
Massachusetts Institute of Technology



Speaker / Discussant
Kristen Turner, PhD
Professor and Director of Teacher Education,
Caspersen School of Graduate Studies,
Drew University



Discussant
Joe Clement,
Associate Professor,
Massachusetts Institute of Technology



AGENDA

DAY 1 **Tuesday, May 17** 10am-1pm ET

11:45 am

BREAKOUT GROUPS

*Experiences with
virtual learning,
and agenda setting*

GUIDING QUESTIONS



Primary School Breakout Group Leader

Shilpa Sahay

Adjunct Assistant Professor,
Hunter College, CUNY



Middle / High School Breakout Group Leader

Joe Clement

Associate Professor,
Massachusetts Institute of Technology

12:45 pm

REPORT OUT

Breakout Group Leaders

Closing remarks by **Dimitri Christakis, MD, MPH**, Director, Seattle Children's
Center for Child Health, Behavior and Development



AGENDA

DAY 2 **Wednesday, May 18** 10am-1pm ET

What is the experience of students with education technology and virtual learning? What do researchers need to know?

10:00 am

WELCOME AND OVERVIEW



Kris Perry, MSW

Executive Director,
Children and Screens: Institute of Digital Media and Child Development

PRERECORDED

PRESENTATIONS

What are students' experiences with education technology and virtual learning?



Student Voices:
Perspectives on Remote Learning

WATCH



Student Voices:
Perspectives on Classroom Educational Technology

WATCH



Student Voices:
Questions about the Future of Educational Technology

WATCH

10:05 am

DISCUSSION

Student experiences with education technology and virtual learning



Discussant
Criscillia Benford, PhD

Senior Fellow,
Frameworks Institute
Lecturer,
Stanford Continuing Studies



Discussant
Anna Scattone

Teacher,
Wagner Middle School

AGENDA

DAY 2 Wednesday, May 18 10am-1pm ET

10:20 am

BREAKOUT GROUPS

*Experiences with
education technology
in the classroom
and at home,
and agenda setting*

GUIDING QUESTIONS



Primary School Breakout Group Leader

Detra Price-Dennis

Associate Professor of Communications,
Media, Learning Technologies, and Design
Teachers College, Columbia



Middle / High School Breakout Group Leader

Lance Mason

Associate Professor of Education,
Indiana University Kokomo

11:20 am

BREAK

PRERECORDED

PRESENTATIONS

*What are the cognitive,
psychosocial-emotional,
and physical impacts
of education technology
and virtual learning?*



Kelley Brill, MS

Educator,
Curriculum Development,
Teens and Tech

Impacts of Educational Technology

Use in the Classroom and During Virtual Learning

WATCH



Elizabeth Englander, PhD

Executive Director,
Massachusetts Aggression Reduction Center,
Bridgewater State University

*Screens, Social Media, and
Mental Health in 2022*

WATCH

*Physical Impacts of Increased
Device Use in K-12 Education: A Panel Review*

WATCH

Dimitri Christakis, MD, MPH

University of Washington;
Seattle Children's

Travis Saunders, PhD

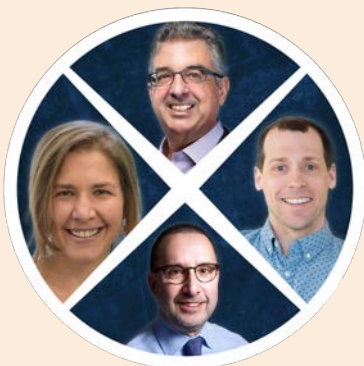
University of Prince Edward Island

Lauren Hale, PhD

Stony Brook University

Mark Rosenfield, MCOptom, PhD

SUNY College of Optometry



AGENDA

DAY 2 Wednesday, May 18 10am-1pm ET

11:30 am

DISCUSSION

What are the cognitive, psychosocial-emotional, and physical impacts of education technology and virtual learning?



Discussant

Christina Conolly-Chester, NCSP

Director
Division of Psychological Services
Montgomery County Public Schools



Discussant

Dimitri Christakis, MD, MPH

Editor-in-Chief, JAMA Pediatrics,
Director of the Center for Child Health, Behavior and Development,
Seattle Children's Research Institute,
George Adkins Professor of Pediatrics,
Adjunct Professor of Psychiatry, and Adjunct Professor of Health Services,
University of Washington School of Medicine

11:45 am

BREAKOUT GROUPS

What are the cognitive, psychosocial-emotional, and physical impacts of education technology and virtual learning, and agenda setting

GUIDING QUESTIONS



Primary School Breakout Group Leader

Heather Kirkorian, PhD

Associate Professor,
Laura M. Secord Chair in Early Childhood Development,
University of Wisconsin-Madison



Middle / High School Breakout Group Leaders

Erin Higgins, PhD

Program Officer,
Institute of Education Sciences



Elizabeth Englander, PhD

Executive Director,
Massachusetts Aggression Reduction Center,
Bridgewater State University

12:45 pm

REPORT OUT

Breakout Group Leaders

Closing remarks by **Kris Perry, MSW**, Executive Director, Children and Screens:
Institute of Digital Media and Child Development

AGENDA

DAY 3 Thursday, May 19 1pm-4pm ET

What do teachers and administrators need to know about the future of educational technology and virtual learning?
What are the best practices?

1:00 pm

WELCOME AND OVERVIEW



Dimitri Christakis, MD, MPH

Editor-in-Chief, JAMA Pediatrics,
Director of the Center for Child Health, Behavior and Development,
Seattle Children's Research Institute,
George Adkins Professor of Pediatrics,
Adjunct Professor of Psychiatry, and Adjunct Professor
of Health Services, University of Washington School of Medicine

PRERECORDED

PRESENTATIONS

What are best practices for teaching across subjects with or without technology?



Jared Cooney Horvath, P

Director,
LME Global
Primary & Tech

WATCH



Naomi Baron, PhD

Professor Emerita of Linguistics,
American University

*"Real Reading" with Digital
Formats: Strategies for Teens and Tweens*

WATCH



Troy Hicks, PhD

Professor of English and Education,
Central Michigan University
Reconsidering Digital Writing

WATCH



Joseph DiNapoli, PhD

Professor of Mathematics,
Montclair State University

*Combatting Procedural Experiences in
Remote Mathematics Learning*

WATCH

AGENDA

DAY 3 Thursday, May 19 1pm-4pm ET

PRERECORDED

What are best practices for teaching across subjects with or without technology?



Greg Jacobs, MS
Chair of Science,
Woodberry Forest School
Online Physics Live Shows

WATCH



Tessa Jolls, BA
Monika Hanley, LLM
President and Associate,
Center for Media Literacy
*Digital and Media Literacies: pK-12
Classroom Practices and Tips*

WATCH



1:05 pm

BREAKOUT GROUPS

Best practices for teaching across subjects, and agenda setting

There will be no live Q&A for this session. Instead, sessions will go straight into breakout groups.

GUIDING QUESTIONS



Primary School Breakout Group Leader
Christina Chhin, PhD
Education Research Analyst,
Institute of Education Sciences,
U.S. Department of Education



Middle / High School Breakout Group Leader
Naomi Baron, PhD
Professor Emerita of Linguistics,
American University

2:05 pm

BREAK

AGENDA

DAY 3 Thursday, May 19 1pm-4pm ET

PRERECORDED

**What does the future of education technology look like?
How do we move forward from here for better education?**



Kathy Hirsh-Pasek, PhD

The Debra and Stanley Lefkowitz Distinguished Faculty Fellow, Department of Psychology, Temple University;
Senior Fellow, Brookings Institution

Emerging Technologies and the Future of K-12 Education

WATCH

2:20 pm

DISCUSSION



Discussant

Robin Lake, MPA

Director,
Center on Reinventing Public Education



Speaker / Discussant

Kathy Hirsh-Pasek, PhD

The Debra and Stanley Lefkowitz Distinguished Faculty Fellow, Department of Psychology, Temple University;
Senior Fellow, Brookings Institution

2:45 pm

BREAKOUT GROUPS

The future of education technology and virtual learning, and agenda setting

GUIDING QUESTIONS



Primary School Breakout Group Leader

David Hill, MD, FAAP

Adjunct Assistant Professor of Pediatrics,
UNC School of Medicine



Middle / High School Breakout Group Leader

Libby Milkovich, MD

Developmental and Behavioral Pediatrician,
Children's Mercy Kansas City,
Assistant Professor of Pediatrics
University of Missouri-Kansas City

3:45 pm

REPORT OUT

Breakout Group Leaders

Closing remarks by **Dimitri Christakis, MD, MPH**, Director, Seattle Children's Center for Child Health, Behavior and Development



AGENDA

DAY 4 **Friday, May 20** 1pm-4pm ET

What are the key policy needs and considerations for education technology and virtual learning moving forward?

1:00 pm

WELCOME AND OVERVIEW



Kris Perry, MSW

Executive Director,
Children and Screens: Institute of Digital Media and Child Development



Colleen Kraft, MD, MBA, FAAP

Children's Hospital Los Angeles,
Professor of Pediatrics,
Keck School of Medicine,
The University of Southern California

PRERECORDED

PRESENTATIONS

What are the key policy needs and considerations for both education technology use in the classroom and virtual learning?



Velislava Hillman, PhD

Visiting Fellow,
London School of Economics
and Political Science

What is driving the edtech growth in education (whom do they benefit and how?): A review of policies and stakeholder views in the UK, EU, and USA

WATCH



Amelia Vance, JD

Research and Measurement Partner,
The Learning Accelerator
Student Data and Privacy

WATCH

AGENDA

DAY 4 Friday, May 20 1pm-4pm ET

PRERECORDED

What are the key policy needs and considerations for both education technology use in the classroom and virtual learning?

PRESENTATIONS



Beth Holland, EdD
Founder and President,
Public Interest Privacy Consulting
*Bridging the Digital Divide:
Five Critical Considerations
to Tackle Digital Equity*

WATCH



Faith Boninger, PhD
Research Professor,
Co-Director of the Commercialism
in Education Research Unit,
National Education Policy Center,
University of Colorado, Boulder
Commercialism in Schools

WATCH

1:05 pm

DISCUSSION



Discussant
Carolyn Heinrich, PhD
Chair, Leadership, Policy and Organizations Department,
Professor of Public Policy and Education,
Peabody College of Education and Human Development,
Vanderbilt University



Speaker / Discussant
Velislava Hillman, PhD
Visiting Fellow,
London School of Economics and Political Science

1:25pm

BREAKOUT GROUPS

Key policy and regulation questions, and agenda setting

GUIDING QUESTIONS



Primary School Breakout Group Leader
Kris Perry, MSW
Executive Director,
Children and Screens: Institute of Digital Media and Child Development



AGENDA

DAY 4 **Friday, May 20** 1pm-4pm ET

1:25pm

BREAKOUT GROUPS

Key policy and regulation questions, and agenda setting



Middle / High School Breakout Group Leader

Jennifer Darling-Aduana, PhD

Assistant Professor of Learning Technologies,
Georgia State University

2:25 am

BREAK

2:40pm

BREAKOUT GROUPS

Key policy and regulation questions, and agenda setting

There will be no live Q&A for this session. Instead, sessions will go straight into breakout groups.

GUIDING QUESTIONS



Digital Divide and Equitable Access

Amina Fazlullah, JD

Senior Director,
Equity Policy,
Common Sense Media



Student Data and Privacy

Cody Venzke, JD

Senior Counsel,
Center for Democracy & Technology



Commercialization in Education Technology

Carolyn Heinrich, PhD

Chair, Leadership, Policy and Organizations Department,
Professor of Public Policy and Education,
Peabody College of Education and Human Development,
Vanderbilt University

3:45 pm

REPORT OUT

Breakout Group Leaders

Closing remarks by **Kris Perry, MSW**,

Executive Director,

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Ford Hummel, student

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Lisa Nielson, MA, NYC Department of Education
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Ellen Wartella, PhD, Northwestern University **

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Cortney Weisman, teacher, Ward Melville High School

Emily Weinstein, EdD, Harvard Graduate School of Education +

Blythe Winslow, BA, MFA, EverySchool.org

Charles Xie, PhD, Institute for Future Intelligence

Michael Young, PhD, University of Connecticut

Jennifer Zosh, PhD, Penn State University (Brandywine)

**Education Technology and Virtual Learning* Retreat Planning Committee Member

*Self-declared Conflict of Interest (through funding or roles as an advisor, consultant, or other role for an Education Technology or other tech-industry organization or their associated philanthropies)

This meeting is supported by
Children and Screens:
Institute of Digital Media and Child Development

Thanks to the following retreat sponsors:

Pam Hurst-Della Pietra, DO, and Stephen Della Pietra

Thanks to the retreat's planning committee:

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Dimitri Christakis, MD, MPH* Seattle Children's Hospital, *JAMA Pediatrics*
John Ewing, PhD, Math for America
Carolyn Heinrich, PhD, Vanderbilt University
Heather Kirkorian,* PhD, University of Wisconsin-Madison
Natalia Kucirkova, PhD, University of Stavanger
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Mitch Prinstein, PhD, American Psychological Association
Ellen Wartella, PhD, Northwestern University
Paul Weigle, MD, American Academy of Child and Adolescent Psychiatry

About

Children and Screens: Institute of Digital Media and Child Development

Children and Screens: Institute of Digital Media and Child Development is a leading research and education non-profit in the field of digital media and child development. Its mission is to advance and support interdisciplinary research, inform and educate the public, advocate for sound public policy for child health and wellness, and enhance human capital in the field.

Children and Screens:

- Funds pilot research grants to interdisciplinary experts to begin worthy new projects studying the impact of children's engagement with current and evolving technologies;
- Produces interdisciplinary public webinars to educate the community on important and relevant topics in the field of digital media and child development
- Provides questions on this topic for existing national, multi-center longitudinal research studies;
- Convenes conferences, workshops and retreats to bridge the gap between neuroscientists, social scientists, public health experts, educators and clinicians and provide them with an opportunity to network and collaborate;
- Curates and publishes state-of-the-science articles;
- Identifies critical areas for future scientific research;
- Supports clinical decision-making with tools and resources as more and more youth are presenting to mental health clinicians with screen-related health issues, and;
- Translates the latest research to various stakeholders, e.g., clinicians, educators, parents, and policymakers.





About
**Children and Screens:
Interdisciplinary Research Retreats Program**

Since 2019, Children and Screens has hosted a series of interdisciplinary research retreats designed to address major scientific, clinical, and educational challenges in the field. These forums enable experts to connect with one another and evaluate important questions and ideas on which they can collaborate and with which they can build upon their own work. Each retreat's theme is based on a different topic of paramount importance in the field of digital media and child development.

The first retreat, held in May of 2019, focused on developing a Media Impact Screening Toolkit (MIST) for use in research and clinical settings. The second retreat, Digital Media and Developing Brain, held in March of 2020, advanced the state of the science regarding digital media's impact on pediatric cognition. Children and Screens' third summit, held online, Digital Media and Mental Health, took place in May of 2021. More than 120 international interdisciplinary researchers, clinicians, and government agencies came together to discuss the state of both science and practice, highlight key gaps in the literature, and establish a future research agenda in the field of youth mental health and digital media.

Experts and thought-leaders from a wide range of disciplines relevant to each retreat topic are invited to develop and strengthen scientific collaborations. Children and Screens curates a forum for attendees to convene and engage in structured, yet organic discussion about what we know and what we need to find out about the most critical dimensions of youth media use.

About Children and Screens' Retreat Series Grants program:

The Retreats Series program also aims to provide grants for new research proposals to fund ideas generated at the retreat. Up to three \$100,000 seed grants will be given by Children and Screens to help interdisciplinary research teams pursue gathering of preliminary data or the development of research tools in order for them to compete for larger awards from other public and private sources.

About

The Education Technology and Virtual Learning Retreat

The Education Technology and Virtual Learning Retreat is intended to address compelling questions about education technology use both inside and outside of the classroom, as well as what we've learned and what we need to know in light of the COVID-19 pandemic. We hope to elucidate how education technology is shaping teaching practices and learning experiences, its efficacy, and broad impacts on student outcomes - with an emphasis on where to go from here.

Through this interdisciplinary retreat, we will:

- Discuss and advance the state of the science regarding the use of technology in education - within the classroom and at home
- Clarify its challenges, successes, and implications for education, research, and policy
- Collaborate on the following post-retreat deliverables, according to your role:
 - Future research agenda in this area
 - Resource for educators, administrators, parents (and policymakers - see next line)
 - Policy brief to promote sound legislation to improve educational outcomes
- Provide a forum to discuss new interdisciplinary research proposals that will be funded by \$100K-\$300K seed grants from Children and Screens

