



The Leading Network for Innovation at Independent Schools

OESIS Boston Classes of the Future Oct. 10 – 11, 2023



**50+ Presentations,
including Keynotes**

**Panels
Workshops**

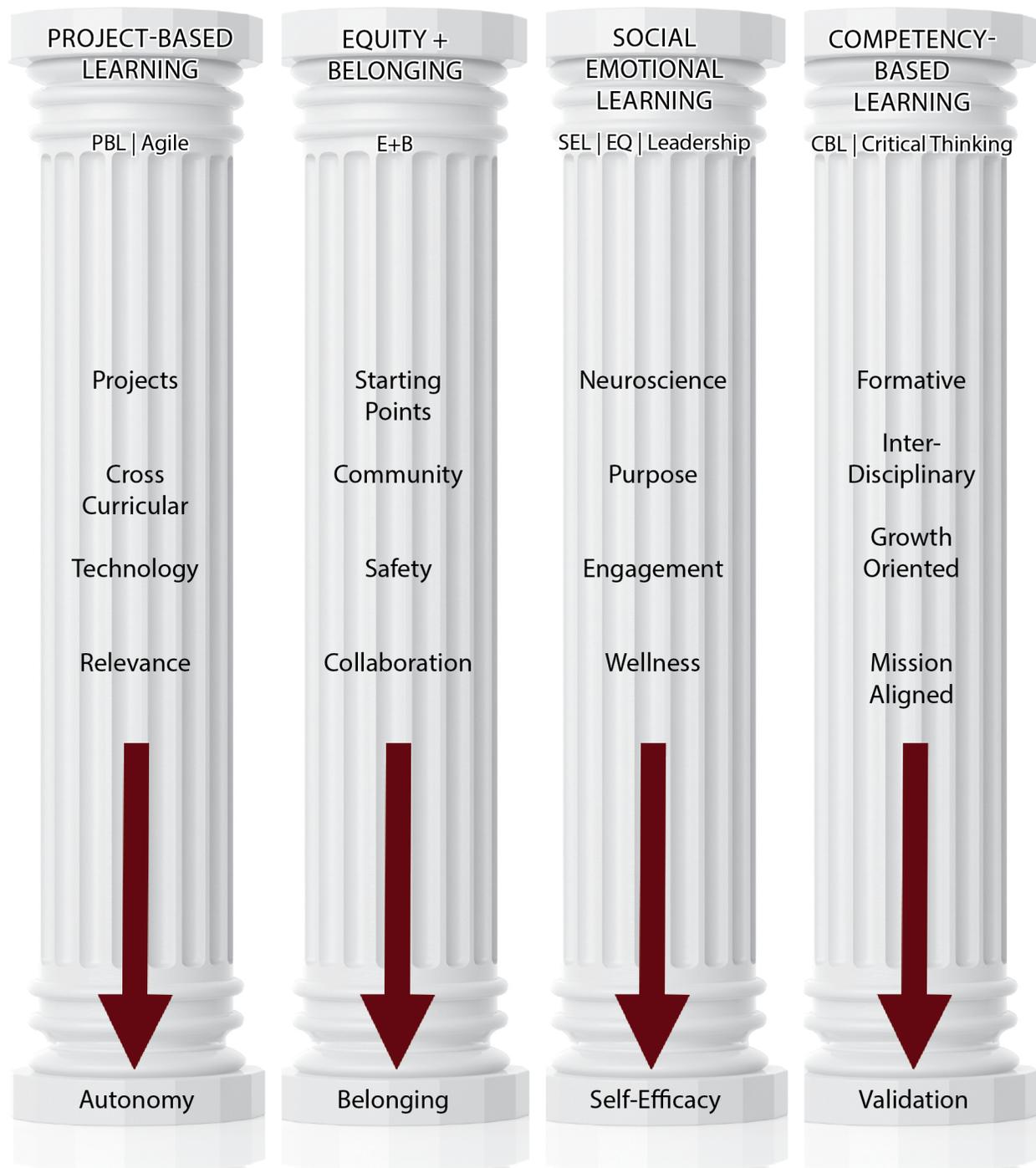
**Classes of Future
Projects**

**Hosted by New England Innovation Academy,
Marlborough, MA**



The Leading Network for Innovation at Independent Schools

Four Pillars of a 21st Century Classroom to make your School's Mission Thrive



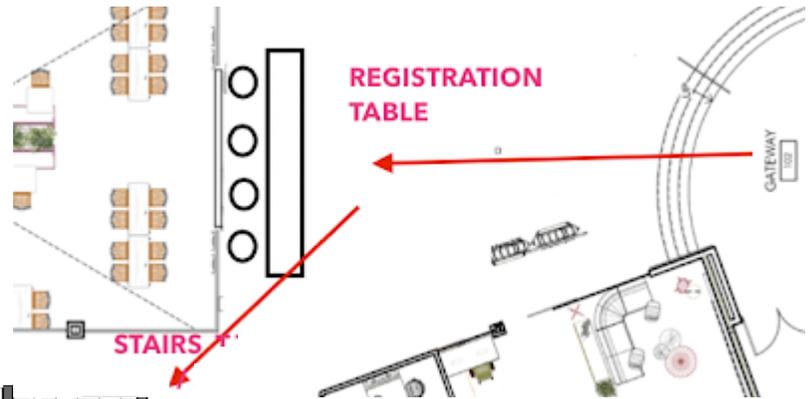
Welcome to the New England Innovation Academy

SHUTTLE BUS SERVICE

Day 1 and 2

Marriott to NEIA
starting 7.50 a.m. – 8.05 a.m.

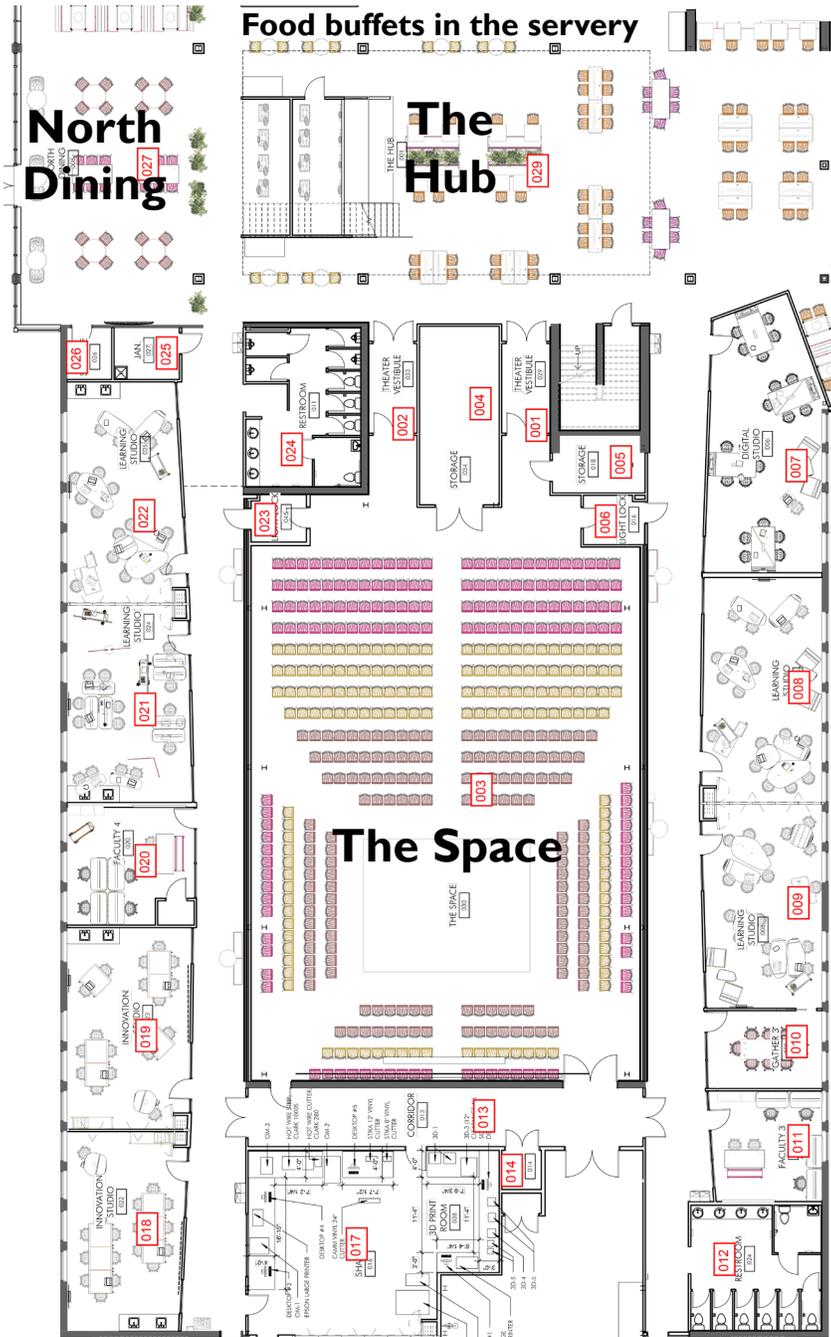
NEIA to Marriott
6 p.m. – 6.15 p.m.



Register at the front entrance;
take stairs to meeting rooms.

You may use complimentary
WiFi called OESISNetwork.

The tech support team will be
based in The Hub.





The Leading Network for Innovation at Independent Schools

Key Conference Outcomes:

- ✓ **How to navigate AI opportunities with your values and culture in tact**
- ✓ **How to develop equitable advanced curriculum to replace APs or Honors**
- ✓ **How to embed cross-curricular competencies and interdisciplinary opportunities**
- ✓ **How to enhance curiosity and play and preserve the safety of childhood**
- ✓ **How to build capacity around DEI/SEL and inclusivity**
- ✓ **How to build a data culture around mission, trust and engagement**
- ✓ **How to evolve pedagogy into alignment with knowledge and curriculum**
- ✓ **How to make teaching more agile, agency-enabling and design-centered**
- ✓ **How to manage the student mental wellness challenges**
- ✓ **How to future proof your school**

Schedule at a Glance

| Tuesday, October 10, 2023 | |
|---|---|
| 8.00 a.m. – 9.00 a.m. | Registration at New England Innovation Academy (MA) Front Entrance |
| 8.00 a.m. – 8.45 a.m. The Hub | Breakfast buffet in the servery |
| 8.45 a.m. – 9.00 a.m. The Space |  <p style="text-align: right;">Conference Kickoff</p> <p style="text-align: center;">Sanje Ratnavale <i>President, OESIS Network</i></p> |
| 9.00 a.m. – 9.30 a.m. Classes of the Future, Rotation A | |
| Room 008 | A1 Beyond AP: Using PBL For Real Scholarship Derryfield School (NH) |
| The Space | A2 History of Yoga; Department of Religious Studies & Classics University of Arizona College Forward |
| Room 009 | A3 Markers of Engagement, The Branson School (CA) |
| Room 018 | A4 Universal Equitable Accommodations: A Classroom for All to Thrive UP Academy (CA) |
| Room 019 | A5 The Agile Classroom, The Agile Mind (FL) |
| 9.35 a.m. – 10.05 a.m. Classes of the Future, Rotation B | |
| Room 007 | B1 Adulting 101: The Importance of Teaching Life Skills The Pennington School (NJ) |
| Room 008 | B2 Chemistry of Art: A Merger of Art and Science Maumee Valley Country Day School (OH) |
| The Space | B3 Introduction to African American Literature; Department of Religious Studies & Classics; University of Arizona College Forward |
| Room 009 | B4 Mastery-Based Math Assessment, Greens Farms Academy (CT) |
| Room 018 | B5 Put Your Phone Away: Media as Literature, The Taft School (CT) |

Schedule at a Glance

| Tuesday, October 10, 2023 | | |
|---------------------------|---|--|
| 10.05 a.m. – 10.20 a.m. | Break | |
| 10.20 a.m. – 11.15 a.m. | Morning Keynote | |
| The Space |  | New Sputniks: Navigating Impacts on Curriculum, Knowledge & Childhood |
| | Sanje Ratnavale <i>President, OESIS Network</i> | |
| Split Keynote | | |
| 11.15 a.m. – 12 noon | The Hub | The Space |
| | Why Trust? Measuring Your Mission | A College Partnered Route to an Equitable & Relevant Advanced Curriculum |
| |  |  |
| | Blossom Beatty Pidduck <i>Former Head, Thatcher School & Senior Consultant, Six Seconds</i> | Craig Wilson, Vice-Provost <i>Online Learning University of Arizona</i> |

| | | |
|------------------|---|--|
| 12 noon – 1 p.m. | Lunch buffet in the servery | |
| 12 noon – 1 p.m. | Workshops | |
| | <p style="text-align: center;">Workshop 1: The Space</p> <p style="text-align: center;">Ditch the Pencils! Teaching Math in Kindergarten and First Grade, Minus the Worksheets</p> <div style="text-align: center;">  <p>Kathleen Jalalpour <i>Teacher</i> Keys School (CA)</p> </div> | <p style="text-align: center;">Workshop 2: The Hub</p> <p style="text-align: center;">Thematic Teaching of Marginalized People’s History</p> <div style="text-align: center;">  <p>Chaka Cummings <i>Executive Director</i> Association for Teaching Black History in Kentucky</p> </div> |
| | <p style="text-align: center;">Workshop 3: Rooms 008+009</p> <p style="text-align: center;">9 Elements of Algorithmic Bias: Navigating Tech Ethics in Modern Classroom</p> <div style="text-align: center;">  <p>Sophie Luxmoore <i>Faculty and Librarian</i> Dublin School (NH)</p> </div> | |

Tuesday, October 10, 2023

| | |
|--|---|
| <p>1 p.m. – 1.45 p.m.</p> <p>The Space</p> | <p style="text-align: center;">Afternoon Keynote</p> <div style="display: flex; justify-content: space-around; align-items: center;"><div style="text-align: center;"><h2>How to Build a School Immersed in Human-Centered Design</h2></div></div> <p>Tom Woelper <i>Head of School</i> New England Innovation Academy (MA)</p> |
| <p>1.50 p.m. – 2.50 p.m.</p> | <p style="text-align: center;">Think Tank Panels</p> |
| <p>The Space</p> | <p>Neuroscience of Learning Moderated by Tara Quigley, <i>Director of Miss Fine’s Center for Interdisciplinary Studies</i>, Princeton Day School (NJ) and OESIS Director of Program Alignment</p> |
| <p>The Hub</p> | <p>Refocusing Math with Equity, Technology & Applicability Moderated by Lauren Riva, <i>Mathematics Department Chair</i>, The Loomis Chaffee School (CT)</p> |
| <p>Room 008–009</p> | <p>Modernized Humanities Pedagogy in the Age of Content Conflict Moderated by Jeannette Lee Parikh, <i>Assistant Editor</i>, <i>Intrepid Ed News & English Dept. Chair</i>, The Cambridge School of Weston (CSW)</p> |

Schedule at a Glance

Tuesday, October 10, 2023

| | | |
|-----------------------|---|---|
| 3.00 p.m. – 3.30 p.m. | Classes of the Future, Rotation C | |
| Room 007 | C1 | Agile in the PBL Classroom, Arvada West High School (CO) |
| Room 008 | C2 | Discover, Define, Design & Deploy in Middle School The Mount Vernon School (GA) |
| The Space | C3 | Introduction to Water Use and Sustainability; Department of Biosystems Engineering; University of Arizona College Forward |
| Room 018 | C5 | Systems Thinking as an Interdisciplinary Tool to Teach Critical Thinking, Princeton Day School (NJ) |
| Room 019 | C6 | Inquiry-Based Collaborative Classrooms in India SAI International Group (India) |
| 3.35 p.m. – 4.05 p.m. | Classes of the Future, Rotation D | |
| Room 007 | D1 | ART-ificial Intelligence, Lake Tahoe School (NV) |
| Room 008 | D2 | Give Them The Keys: Using Agile Practices to Enable Students To Direct Their Own Learning, Agile in the Classroom (VT) |
| The Space | D3 | Sustainable Nutrition & Food; Department of Nutritional Sciences University of Arizona College Forward |
| Room 009 | D4 | New School, New Approaches: Building an Integrated Curriculum Using, New England Innovation Academy (MA) |
| Room 018 | D5 | Lessons for the 21st Century, Dublin School (NH) |
| 4.10 p.m. – 4.50 p.m. | Split Keynote | |
| | <p>The Hub</p> <p>Elements of a Culture of Curiosity in Elementary & Middle School</p>  <p>Tanya Sheckley <i>Founder & Head of School UP Academy</i></p> | <p>The Space</p> <p>Strategies & Solutions for Social Anxiety in Neurodiverse Tweens and Teens</p>  <p>Sharon Saline, Psy.D. <i>Neuropsychologist, ADHD expert, and Intrepid Ed News columnist</i></p> |
| 5.00 p.m. – 6.00 p.m. | Cocktail Hour in North Dining and Patio | |

Schedule at a Glance

Wednesday, October 11, 2023

| 10.45 a.m. – 11.15 a.m. | | Classes of the Future, Rotation E |
|-------------------------|----|--|
| Room 007 | E1 | Harnessing the Power of Technology to Explore the Real Work of Applied Mathematicians, The Loomis Chaffee School (CT) |
| Room 008 | E2 | Leveraging AI in the English Classroom The Mount Vernon School (GA) |
| Room 009 | E3 | Real World Literary Analysis in the High School Classroom The Lawrenceville School (NJ) |
| The Space | E4 | Passion, Purpose, & The Pursuit of Knowledge Applied to College Admissions, Berwick Academy (ME) |
| Room 018 | E5 | Teaching and Learning Through Our Competency-Based Mashup New England Innovation Academy (MA) |
| Room 019 | E6 | The Integrated Science Classroom for Creativity & Problem Solving New England Innovation Academy (MA) |

| 11.20 a.m. – 12 noon | | Workshops |
|----------------------|--|-----------|
|----------------------|--|-----------|

Measuring Trust, Inclusion & Engagement Normatively

The Space



Blossom Beatty Pidduck
Former Head, Thacher School &
Senior Consultant
Six Seconds



Tara Quigley
OESIS Director of Program Alignment
& Director of Miss Fine's Center for
Interdisciplinary Studies
Princeton Day School (NJ)



Michael Eatman
Culture7 Coach and
Senior Consultant
Six Seconds

Launch of High School College Credit Board: A New Era in Student-Centered Accreditation & College Value

The Hub



Melissa Loble
Chief Customer Experience Officer
Instructure



David Ruff
Executive Director
Great Schools Partnership



Sanje Ratnavale
President
OESIS Network

Schedule at a Glance

Wednesday, October 11, 2023

| | | |
|------------------------------------|---|--|
| 12 noon – 12.50 p.m. | Lunch in the servery and Networking in The Hub | |
| 12.50 p.m. – 1.45 p.m. | Think Tank Panels | |
| The Space | <p>Nurturing Leadership: Infusing SEL through Peer Support and Wellness Programs</p> <p>Moderated by Maritoni Shah, <i>Director of Wellness</i>, and Lisa Surace, <i>Associate Head of School</i> Princeton Day School (NJ)</p> | |
| The Hub | <p>Modernized Knowledge in Age of AI</p> <p>Moderated by Robbie Taylor, <i>Researcher, Center for Curriculum Redesign</i> and Tara Quigley, <i>OESIS Network Leader, OESIS Director of Program Alignment & Director of Miss Fine’s Center for Interdisciplinary Studies, Princeton Day School (NJ)</i></p> | |
| 1.45 p.m. – 2.15 p.m. | Split Keynote | |
| | <p>The Space</p> <p>Implementing Equity & the Range of Successful Visions</p>  <p>Joel Backon <i>Editor-in-Chief</i> Intrepid Ed News and <i>Vice President</i> OESIS Network (MA)</p> | <p>The Hub</p> <p>Marriage of Progressive Education & Technology</p>  <p>Jeannette Parikh Lee, Ph.D. <i>Assistant Editor</i> Intrepid Ed News & <i>English Department Chair</i> The Cambridge School of Weston (CSW)</p> |
| 2.15 p.m. – 3.45 p.m. The Space | Conference Project: The Interaction of Art, Technology & Life Skills | |

OESIS Boston 2023 Presenters

Joel Backon, *Editor-in-Chief, Intrepid Ed News and Vice President, OESIS Network*

Eileen Bouffard, *English Department Chair, The Taft School (CT)*

John Camp, *Head of Teaching & Learning; Humanities Teacher, New England Innovation Academy (MA)*

Dr. Bryan Carter, *Director, Center for Digital Humanities Professor, Department of Africana Studies; University of Arizona College Forward*

Jessica Cavallaro, *Co-Founder, The Agile Mind (FL)*

Darcy Cofta, *Director of Innovation/Upper School Librarian, Berwick Academy (ME)*

Chaka Cummings, *Executive Director, Association for Teaching Black History in Kentucky*

Tyler Dale, *Upper School Humanities Teacher, The Mount Vernon School (GA)*

Sarah Doenmez, *Associate Head of School for Academics, Dublin School (NH)*

Michael Eatman, *Culture7 Coach and Senior Consultant, Six Seconds*

Toby Elmore, *The Branson School (CA)*

Dan Fenyvesi, MS RDN, *Lecturer, Nutritional Sciences, Department of Nutritional Sciences; University of Arizona College Forward*

Margie Gibson, *Director of Community Service, Third Grade Teacher, Princeton Day School (NJ)*

Dr. Caitlyn Hall, *Assistant Professor of Practice, Department of Biosystems Engineering; University of Arizona College Forward*

Simon Holzapfel, *Co-Founder and Executive Director, Crow Box Partners; Agile Coach, Certified Scrum Master; and Former Boarding School head*

Roslynn Jackson, *Co-Founder, The Agile Mind (FL)*

Kathleen Jalalpour, *Teacher, Keys School (CA)*

Kristen Kowalski, *8-12 Art Instructor & Gallery Director, Maumee Valley Country Day School (OH)*

Maria Lamattina, *Teacher, The Lawrenceville School (NJ)*

Melissa Loble, *Chief Customer Experience Officer, Instructure*

Jeannette Parikh Lee, Ph.D., *Assistant Editor, Intrepid Ed News & English Dept. Chair, The Cambridge School of Weston (CSW)*

Sophie Luxmoore, *Faculty and Librarian, Dublin School (NH)*

Emma Mattesky, *Founding Lead Integration Designer, New England Innovation Academy (MA)*

Tim McCauley, *Director of the Middle School, Science Teacher, New England Innovation Academy (MA)*

Moira McKinnon, *Director of College Counseling and Postsecondary Planning, Berwick Academy (ME)*

Gretchen Overhiser, *History Teacher, Director, Horizon Senior Internship program, The Pennington School (NJ)*

Blossom Beatty Pidduck, *Former Head, Thacher School & Senior Consultant, Six Seconds*

Tara Quigley, *Director of Miss Fine's Center for Interdisciplinary Studies, Princeton Day School (NJ) and OESIS Director of Program Alignment*

Lauren Riva, *Head of Mathematics Department, The Loomis Chaffee School (CT)*

Jude Ross, *Faculty, Lake Tahoe School (NV)*

David Ruff, *Executive Director, Great Schools Partnership*

Prakash Sahoo, *Principal, Secondary School, SAI International Group (India)*

Sharon Saline, Psy.D., *Neuropsychologist, ADHD expert, and Intrepid Ed News Columnist*

Maritoni Shah, *Director of Wellness, Princeton Day School (NJ)*

Tanya Sheckley, *Founder & Head of School, UP Academy (CA)*

Dr. Caleb Simmons, *Executive Director, Arizona Online; Faculty Director, Interdisciplinary Studies; and Program Professor, Religious Studies, Department of Religious Studies & Classics; University of Arizona College Forward*

Joe Steiner, *Math Department Chair, MS Math Teacher, Greens Farms Academy (CT)*

Lisa Surace, *Associate Head of School, Princeton Day School (NJ)*

Ryan Tanner-Read, *Dean of Academic Programs, Derryfield School (NH)*

Robbie Taylor, *Researcher, Center for Curriculum Redesign*

Bret Thayer, *Educator Consultant and Trainer, Arvada West High School (CO)*

Bret Thayer, *Founder, Agile in the Classroom (VT)*

Ryan Welch, *Co-creator & Co-facilitator, Impact Design Lab, The Mount Vernon School (GA)*

Craig Wilson, *Vice-Provost Online Learning, University of Arizona*

Brean Witmer, GSP, *Director of Research and Evaluation, Great Schools Partnership*

Tom Woelper, *Head of School, New England Innovation Academy (MA)*

Tracy Young, *Third Grade Teacher, Princeton Day School (NJ)*

Classes of the Future

| Class | Division | School | Innovation Attributes |
|---|---------------|---------------------------------------|--|
| Adulting 101: The Importance of Teaching Life Skills | | The Pennington School (NJ) | Wellness SEL Interdisciplinary PBL Data-driven |
| Agile in the PBL Classroom | MS HS | Arvada West High School (CO) | PBL |
| ART-ificial Intelligence | All | Lake Tahoe School (NV) | Artificial Intelligence Art |
| Beyond AP: Using PBL For Real Scholarship | HS College | Derryfield School (NH) | College Level Coursework PBL STEAM |
| Chemistry of Art: A Merger of Art and Science | HS | Maumee Valley Country Day School (OH) | Interdisciplinary STEAM |
| Discover, Define, Design & Deploy in Middle School | MS | The Mount Vernon School (GA) | Inter-disciplinary Agile Agency PBL Design-centered |
| Give Them The Keys: Using Agile Practices to Enable Students To Direct Their Own Learning | HS College | Founder Agile in the Classroom (VT) | PBL Inter-disciplinary Online & Blended Data-driven STEAM |
| Harnessing the Power of Technology to Explore the Real Work of Applied Mathematicians | HS | The Loomis Chaffee School (CT) | Tech Tool Intensive STEAM Interdisciplinary |
| History of Yoga; Department of Religious Studies & Classics | HS College | University of Arizona College Forward | Advanced Curriculum Passion Courses CBE Interdisciplinary |
| Inquiry-Based Collaborative Classrooms in India | | SAI International Group | Inquiry-Based Learning SEL |
| Introduction to African American Literature | HS College | University of Arizona College Forward | Advanced Curriculum Passion Courses CBE Interdisciplinary |
| Introduction to Water Use and Sustainability; Department of Biosystems Engineering | HS College | University of Arizona College Forward | Advanced Curriculum Passion Courses CBE Interdisciplinary |
| Introduction to Weather & Climate; Department of Atmospheric Sciences | HS College | University of Arizona College Forward | Advanced Curriculum Passion Courses CBE Interdisciplinary |
| Lessons for the 21st Century | HS | Dublin School (NH) | DEI Global Dimensions Research Interdisciplinary |

Classes of the Future

| Class | Division | School | Innovation Attributes |
|---|------------|---------------------------------------|---|
| Leveraging AI in the English Classroom | HS | The Mount Vernon School (GA) | Artificial Intelligence |
| Markers of Engagement | MS HS | The Branson School (CA) | Inter-disciplinary Mastery Based Data Driven |
| Mastery-Based Math Assessment | MS HS | Greens Farms Academy (CT) | Mastery Based |
| New School, New Approaches: Building an Integrated Curriculum Using Community-Driven Design | MS HS | New England Innovation Academy (MA) | Interdisciplinary PBL |
| Passion, Purpose, & The Pursuit of Knowledge Applied to College Admissions | HS College | Berwick Academy (ME) | PBL STEAM Agency Global Dimensions Interdisciplinary |
| "Put Your Phone Away: Media as Literature" | MS HS | The Taft School (CT) | Wellness DEI Interdisciplinary |
| Real World Literary Analysis in the HS Classroom | HS | The Lawrenceville School (NJ) | Interdisciplinary PBL |
| Sustainable Nutrition & Food; Department of Nutritional Sciences | HS College | University of Arizona College Forward | Advanced Curriculum Passion Courses CBE Interdisciplinary |
| Systems Thinking as an Interdisciplinary Tool to Teach Critical Thinking | All Levels | Princeton Day School (NJ) | PBL Interdisciplinary Critical Thinking |
| Teaching and Learning Through Our Competency-Based Mashup | MS HS | New England Innovation Academy (MA) | Mastery Based |
| The Agile Classroom | All | The Agile Mind (FL) | PBL Agency |
| The Integrated Science Classroom for Creativity & Problem Solving | MS HS | New England Innovation Academy (MA) | Interdisciplinary PBL Global Dimensions STEAM |
| The Power of Silence in Math: Teaching More by Talking Less | ES | Keys School (CA) | Child-oriented Math Teaching |
| Universal Equitable Accommodations: A Classroom for All to Thrive | ES | UP Academy (CA) | Interdisciplinary Wellness PBL |

Classes of the Future, Rotation A

9.00 a.m. – 9.30 a.m., Tuesday, October 10, 2023

A1 **Beyond AP: Using PBL For Real Scholarship** Room 008
Ryan Tanner-Read, *Dean of Academic Programs, Derryfield School (NH)*

| Grade-Level Division | | | Innovation Attributes |
|----------------------|----|---------|---|
| | HS | College | Advanced College Level Coursework PBL STEAM |

- How can we create courses beyond AP that best prepare students for college and careers?
- How can high school students use PBL experiences to engage with current research and scholarship in their disciplines?

A2 **History of Yoga** The Space
Dr. Caleb Simmons, *Executive Director, Arizona Online; Faculty Director, Interdisciplinary Studies; and Program Professor, Religious Studies, Department of Religious Studies & Classics*
University of Arizona College Forward

| Grade-Level Division | | | Innovation Attributes |
|----------------------|----|---------|---|
| | HS | College | Advanced Curriculum Passion Courses CBE Interdisciplinary |

Does your background (race, ethnicity, gender, religious identity) shape how you view yoga (religious, spiritual, or exercise)? Is Yoga Cultural Appropriation?

A3 **Markers of Engagement** Room 009
Toby Elmore, *The Branson School (CA)*

| Grade-Level Division | | | Innovation Attributes |
|----------------------|----|----|---|
| | MS | HS | Interdisciplinary Mastery Based Data Driven |

- How have understandings of student engagement changed over time?
- To what degree do our current conceptions of student engagement reflect compliance or reactionary behaviors on the part of our students?
- How might we frame our curricula, pedagogy, and practice around a more active, empowering, and questioning approach to student engagement?

Rotation A (continued)

A4 **Universal Equitable Accommodations: A Classroom for All to Thrive** Room 018
Tanya Sheckley, *Founder & Head of School, UP Academy (CA)*

| Grade-Level Division | | | Innovation Attributes |
|----------------------|--|--|------------------------------------|
| ES | | | Interdisciplinary Wellness PBL |

- How do we provide equitable education where student interests are centered and all students belong?

A5 **The Agile Classroom** Room 019
Simon Holzapfel, *Agile Coach, Certified Scrum Master, Former Boarding School head*
Jessica Cavallaro and **Roslynn Jackson**, *Co-Founders, The Agile Mind (FL)*

| Grade-Level Division | | | Innovation Attributes |
|----------------------|----|----|---------------------------------|
| ES | MS | HS | Project-Based Learning Agency |

- How Can Agile Bring Future-Ready Skills into Every Classroom?
- How might we foster intrinsic learning while lessening the burden on our teachers?
- How can agile replace rigor with vigor?

Classes of the Future, Rotation B

9.35 a.m. – 10.05 a.m., Tuesday, October 10, 2023

B1 Adulthood 101: The Importance of Teaching Life Skills Room 007
Gretchen Overhiser, *History Teacher, Director, Horizon Senior Internship program,*
The Pennington School (NJ)

| Grade-Level Division | | Innovation Attributes |
|----------------------|-----------|---|
| | HS | Wellness SEL Interdisciplinary PBL Data-driven |

- Why is it essential that schools work to educate students on life skills as well as academic skills?
- How can we co-create programs with students so that they resonate and get buy-in?
- What are the critical considerations in building this type of program?

B2 Chemistry of Art: A Merger of Art and Science Room 008
Kristen Kowalski, *8-12 Art Instructor & Gallery Director,*
Maumee Valley Country Day School (OH)

| Grade-Level Division | | Innovation Attributes |
|----------------------|-----------|----------------------------------|
| | HS | Interdisciplinary STEAM |

- How can the understanding of artistic materials better our understanding of chemistry?
- How can the understanding the chemical makeup of artistic processes help advance our art making?

B3 Introduction to African American Literature The Space
Dr. Bryan Carter, *Director, Center for Digital Humanities Professor, Department of Africana Studies*
University of Arizona College Forward

| Grade-Level Division | | Innovation Attributes |
|----------------------|-------------------|--|
| | HS College | Advanced Curriculum Passion Courses CBE Interdisciplinary |

This course explores the linguistic and cultural roots and traditions of literary writing by African Americans in three centuries of American history focusing on select readings in poetry, drama, non-fiction, and fictional prose.

Rotation B (continued)

B4 Mastery-Based Math Assessment Room 009
Joe Steiner, *Math Department Chair, MS Math Teacher, Greens Farms Academy (CT)*

| Grade-Level Division | | Innovation Attributes |
|----------------------|----|-----------------------|
| MS | HS | Mastery Based Math |

- How can points-free, mastery-based rubrics promote transparency in feedback, equity in grading practices, and increase student agency?
- How can co-constructing expectations and rubrics for mathematical arguments and presentations demystify communication expectations/standards and promote student agency?

B5 Put Your Phone Away: Media as Literature Room 018
Eileen Bouffard, *English Department Chair, The Taft School (CT)*

| Grade-Level Division | | Innovation Attributes |
|----------------------|----|------------------------------------|
| MS | HS | Wellness DEI Interdisciplinary |

- How does the media adolescents use shape their reality?
- How has media shaped the way adolescents understand themselves, relationships, and the world around them?
- What tools do adolescents need to effectively navigate media?

Classes of the Future, Rotation C

3 p.m. – 3.30 p.m., Tuesday, October 10, 2023

C1 **Agile in the PBL Classroom** Room 007
Bret Thayer, *Educator Consultant and Trainer, Arvada West High School (CO)*

| Grade-Level Division | | Innovation Attributes |
|----------------------|----|-----------------------|
| MS | HS | PBL |

- How can we allow students to have more autonomy in PBL environments?
- How can we increase transparency, accountability, and teamwork in PBL projects?

C2 **Discover, Define, Design & Deploy in Middle School** Room 008
Ryan Welch, *Co-creator & Co-facilitator, Impact Design Lab, The Mount Vernon School (GA)*

| Grade-Level Division | | Innovation Attributes |
|----------------------|--|--|
| MS | | Interdisciplinary Agile Agency PBL Design-centered |

- HMW return curiosity to the learning experience?
- HMW empower learners to be agents of their own learning?
- HMW build a culture of belonging by engaging learners in student-centered learning AND assessment?

C3 **Introduction to Water Use and Sustainability** The Space
Dr. Caitlyn Hall, *Assistant Professor of Practice, Department of Biosystems Engineering*
University of Arizona College Forward

| Grade-Level Division | | Innovation Attributes |
|----------------------|------------|---|
| | HS College | Advanced Curriculum Passion Courses CBE Interdisciplinary |

- This course will explore the natural science perspective of water use and sustainability.
- Students will develop an understanding of how water influences and interacts with the world around them and analyze the effects of human interaction with water.

Rotation C (continued)

C5 Systems Thinking as an Interdisciplinary Tool to Teach Critical Thinking Room 018
Margie Gibson, *Director of Community Service, Third Grade Teacher*
Tracy Young, *Third Grade Teacher*
Princeton Day School (NJ)

| Grade-Level Division | | | Innovation Attributes |
|----------------------|----|----|---|
| ES | MS | HS | PBL Interdisciplinary Critical Thinking |

- How can understanding systems thinking help students to better understand the complexity of the world around them?
- Can understanding the parts of the system of their classroom and community help students to be better community members?
- Can systems thinking empower students to better understand a difficult problem such as food waste and motivate them to try to find a solution?

C6 Inquiry-Based Collaborative Classrooms in India Room 019
Prakash Sahoo, *Principal, Secondary School, SAI International Group (India)*

| Grade-Level Division | | | Innovation Attributes |
|----------------------|----|----|------------------------------|
| ES | MS | HS | Inquiry-Based Learning SEL |

- What concrete steps can a school use to implement Inquiry-Based Learning?
- What are its implications in the classroom?

Classes of the Future, Rotation D

3.35 p.m. – 4.05 p.m., Tuesday, October 10, 2023

D1 **ART-ificial Intelligence**
Jude Ross, *Faculty, Lake Tahoe School (NV)*

Room 007

| Grade-Level Division | | | | Innovation Attributes |
|----------------------|----|----|--|-------------------------------|
| ES | MS | HS | | Artificial Intelligence Art |

- How will AI affect art and art education?
- What has history shown us about how art evolves when a new technology for art creation gets invented?
- How does society's view of art and artists affect its understanding of art creation and meaning?

D2 **Give Them The Keys: Using Agile Practices to Enable Students To Direct Their Own Learning**
Bret Thayer, *Founder, Agile in the Classroom (VT)*

Room 008

| Grade-Level Division | | | | Innovation Attributes |
|----------------------|----|----|---------|--|
| ES | MS | HS | College | PBL Interdisciplinary Online & Blended Data-driven STEAM |

- How can we put more of the responsibility of learning in the hands of our students?
- How can we help students practice communication, collaboration, and critical thinking in a team environment while reaching our curriculum goals?

D3 **Sustainable Nutrition & Food**
Dan Fenyvesi, **MS RDN**, *Lecturer, Nutritional Sciences, Department of Nutritional Sciences*
University of Arizona College Forward

The Space

| Grade-Level Division | | | | Innovation Attributes |
|----------------------|--|----|---------|---|
| | | HS | College | Advanced Curriculum Passion Courses CBE Interdisciplinary |

- This course provides an introduction to the U.S. food system and examines the relationships between food systems and nutritional science, public health, the environment, and society.

Rotation D (continued)

D4 **New School, New Approaches: Building an Integrated Curriculum Using Community-Driven Design** Room 009
Emma Mattesky, *Founding Lead Integration Designer*, **New England Innovation Academy (MA)**

| Grade-Level Division | | | Innovation Attributes |
|----------------------|----|----|-------------------------|
| | MS | HS | Interdisciplinary PBL |

- How do you design mission aligned integration opportunities for students?
- How do you use community-driven design and teacher voice to infuse integration into your curriculum?
- How do you build a framework for integration and interdisciplinary opportunities?

D5 **Lessons for the 21st Century** Room 018
Sarah Doenmez, *Associate Head of School for Academics*, and
Sophie Luxmoore, *Faculty and Librarian*, **Dublin School (NH)**

| Grade-Level Division | | | Innovation Attributes |
|----------------------|--|----|--|
| | | HS | DEI Global Dimensions Research Interdisciplinary |

- How can we use history to understand the future and current issues our students face?
- How can we lead students in writing their first long form research (7-10 pages) paper?

Classes of the Future, Rotation E

10.45 a.m. – 11.15 a.m., Wednesday, October 11, 2023

E1 **Harnessing the Power of Technology to Explore the Real Work of Applied Mathematicians**
Lauren Riva, *Head of Mathematics Department, The Loomis Chaffee School (CT)* Room 007

| Grade-Level Division | | Innovation Attributes |
|----------------------|----|--|
| | HS | Tech Tool Intensive STEAM Interdisciplinary Math |

- How can I motivate the study of mathematics through the use of technology?
- How can I provide students with an opportunity to understand the work of applied mathematicians?
- In what ways can technology alleviate the need for skill and allow students to conceptualize and utilize mathematics in context?

E2 **Leveraging AI in the English Classroom** Room 008
Tyler Dale, *Upper School Humanities Teacher, The Mount Vernon School (GA)*

| Grade-Level Division | | Innovation Attributes |
|----------------------|----|-----------------------------------|
| | HS | Artificial Intelligence English |

- How might we use AI as a collaborator in the English classroom?
- How does ChatGPT function as a tool to aid learning, rather than a shortcut to circumvent it?
- What norms and best practices can teachers employ to encourage ethical, responsible use of AI language models in the classroom?

E3 **Real World Literary Analysis in the High School Classroom** The Space
Maria Lamattina, *Teacher, The Lawrenceville School (NJ)*

| Grade-Level Division | | Innovation Attributes |
|----------------------|----|-------------------------|
| | HS | Interdisciplinary PBL |

- How can HS English Literature classes incorporate authentic project work?
- How can teachers promote “deep thinking” in classroom discussions?

Rotation E (continued)

E4 **Passion, Purpose, & The Pursuit of Knowledge Applied to College Admissions** Room 009
Moira McKinnon, *Director of College Counseling and Postsecondary Planning*, **Berwick Academy** (ME)

| Grade-Level Division | | | Innovation Attributes |
|----------------------|----|---------|--|
| | HS | College | PBL Global Dimensions STEAM Interdisciplinary Agency |

- How can students differentiate in the college process from non-AP or IB schools?
- What happens when you give students the freedom and autonomy to design and drive their learning experience?

E5 **Teaching and Learning Through Our Competency-Based Mashup** Room 018
John Camp, *Head of Teaching & Learning; Humanities Teacher*, **New England Innovation Academy** (MA)

| Grade-Level Division | | | Innovation Attributes |
|----------------------|----|--|-----------------------|
| MS | HS | | Mastery Based |

- How do you shift the focus of a grade-obsessed culture with a competency-based assessment system?
- How do you rally teaching and learning around a common assessment system utilized in all classes?

E6 **The Integrated Science Classroom for Creativity & Problem Solving** Room 019
Tim McCauley, *Director of the Middle School, Science Teacher*, **New England Innovation Academy** (MA)

| Grade-Level Division | | | Innovation Attributes |
|----------------------|----|--|---|
| MS | HS | | Interdisciplinary PBL Global Dimensions STEAM |

- How can deconstructing traditional science courses enable more meaningful integration across disciplines?
- How do you balance foundational science curriculum instruction from outside a traditional science classroom structure?



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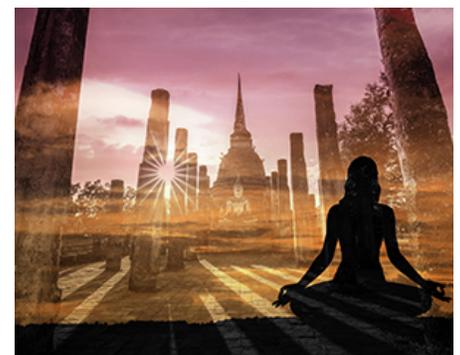
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