

Vision for Montecito Union School Adjacent Property

Funded and supported by Montecito Union School Foundation Approved May 19, 2020 by MUS Board of Trustees Developed in collaboration with MUS Community

OUR APPROACH

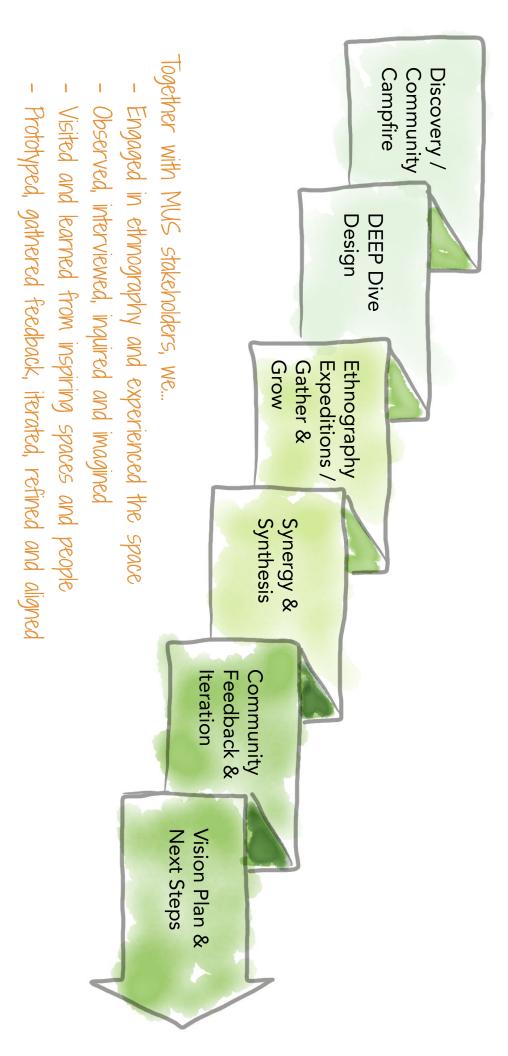


work. Our approach holds students, faculty, and community members at the center -- as design partners -- in uncovering and voicing their needs and desires, and turning them into reality innovation. Nurturing, inspiring and developing the designer in every learner is at the heart of our We believe that people, through their innate curiosity, creativity and intelligence, are the engine of

and the world grow innovators who offer meaningful and lasting contributions in their own lives, their communities, Wonder, discovery, and inquiry stoke the creative confidence that empowers children to be lifelong learners, explorers, and problem-solvers. An outdoor space such as the one we are co-creating will

environment plays in children's lives formulate a mission-aligned concept and vision for learning to maximize the enduring impact Through human-centered design, radical collaboration and play, we will work alongside Montecito to

How might we reimagine an undefined outdoor space into an inspiring, empowering and natural extension of learning and play-based exploration for our students?







MUS STEAM CONTEXT

kind of rich interdisciplinary integration. STEAM learning design (science, technology, engineering, art, and mathematics) provides for just this At MUS, we believe in integrating all content areas to create relevant and engaging student learning.

measurement, and a whole range of skills. includes a laser cutter where students' designs can take shape, combining engineering, art, features lessons using computer-aided design (CAD) alongside traditional materials. Our Makerspace experiences which require mastery of skills from a variety of different disciplines. The Art Studio I-Lab. In our Outdoor Classroom and STEAM Playground, students work on engineering and group mathematics skills. Applied computer science skills are combined with research techniques in the Science Lab, hands-on science experiments combine seamlessly with measuring, charting, and other Integration and STEAM learning occur daily in classrooms and spaces throughout our campus. In the

complement and enrich our current offerings. We can't wait to bring it to life! Integrated learning and STEAM instruction are vibrant practices at MUS, and The Nature Lab will both

Anthony Ranii, MUS Superintendent





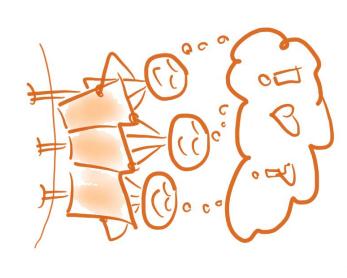
COLLABORATIONS WITH MUS COMMUNITY

CONSULTANT

Campus tour & discovery
Faculty PLC
Instructional Support Staff
STEAM Specialists
Virtual Town Hall (2)



Launch & HMW
POV, Prototype, Draft Vision
Testing & Feedback Sessions (8)
Virtual Sessions (3)



ADJACENT PROPERTY

Civic Dinner K-6 Explore the Land MUS Pop-up Meet Up

STUDENT

G5 AP Observations
G6 Affinity Mapping
G6 Needfinding Interviews
K-6 Provocation Stations
K-6 Sketch & Prototype

CFFSITE

Besant School Kidspace Museum Poco Farms RC Makes





CEY LEARNING

Design for:

- Immersion in nature / "wild" space
- discover, "be," play and learn Unstructured/unscheduled opportunities to
- Sense of wonder and connectedness
- Both flexible & planned
- Empowered kid-led learning & problem-solving
- Opportunities to get messy
- Everyone gets to use this space
- Extending what's possible







messy in nature as they care for the planet and one another. The Nature Lab invites learners to imagine, build, and get

that combines.. We do this by creating an experiential outdoor ecosystem

- Biodynamic/Regenerative Agriculture
- Nature-Inspired Making & Arts Collaboratory Environment as Agent of Challenge & Wonder

and ever-evolving natural setting ... providing endless possibilities to grow within a unique





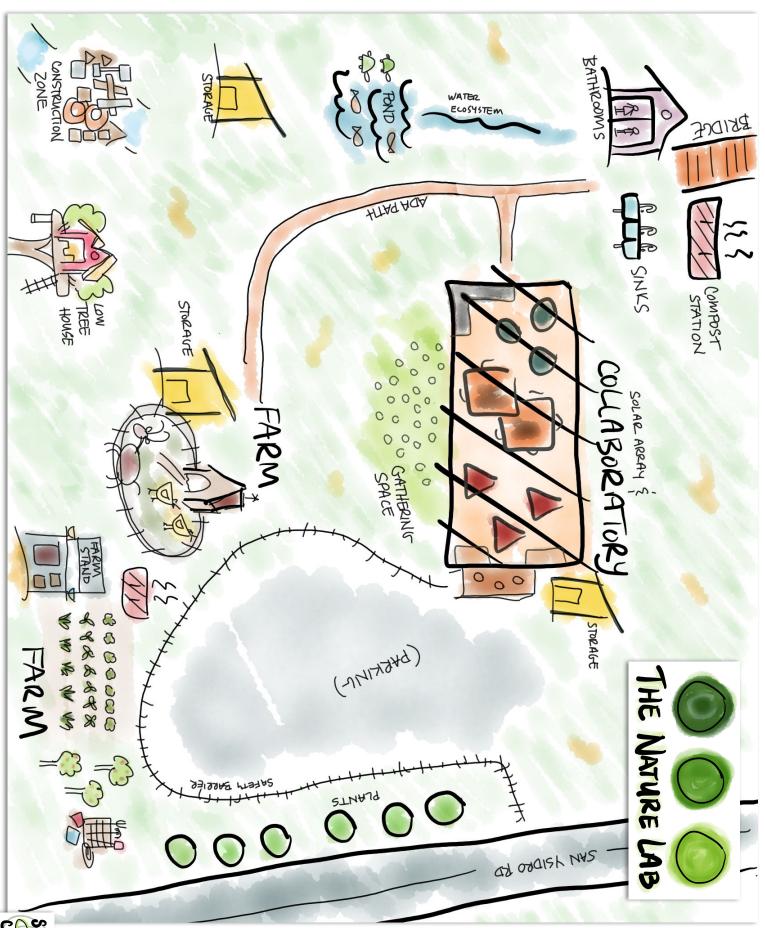




AN INTERDEPENDENT + SYNERGETIC ECOSYSTEM



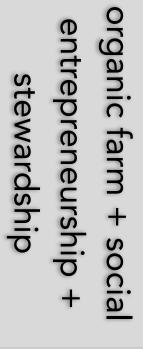






BIODYNAMIC/ RECENERATIVE AGEICULTURE

- Model of self-sustaining agriculture
- Produce (local, quick-growing)
- Livestock (chickens, goats)
- Four-season learning & life cycle ecosystem
- Student-driven community farmstand
- Grow, harvest, make and sell
- Business development, budgeting, marketing
- Service learning / community engagement



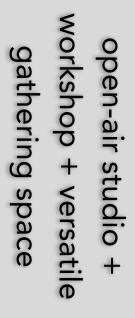


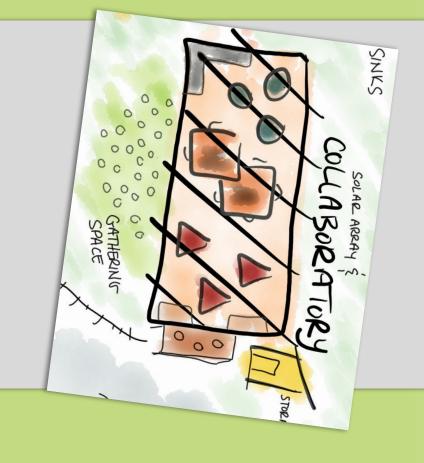


SECOND SECOND

NATURE-INSPIRED MAKING

- Host to collaborators in residence (artists, makers, farmers, storytellers, STEAM experts)
- Nature-inspired making and tinkering (pottery, collage, wood/metal working, weaving/textiles, soapmaking, painting, dye, mixed-media, etc)
- Flexible/durable/natural furniture
- Traditional + specialized tools
- Earth oven / rustic kitchen
- Community gathering / gallery / performance
- Support for farm industry and learning
- Creative collisions of all kinds









OF CHALLENGE C WONDER

- We act on the world and the world acts on us
- Every moment an opportunity to discover, create, relate and connect
- Elicits Responding with Wonderment and Awe (Habits of Mind)
- Inspires, supports, extends all areas of curriculum and integrated learning
- Student-led inquiry and pedagogy of play
- Balance of organic + planned
- Voice + choice + ownership = student agency
- Launching inspired thinkers!

interconnected, ever-changing and responsive learning ecosystem







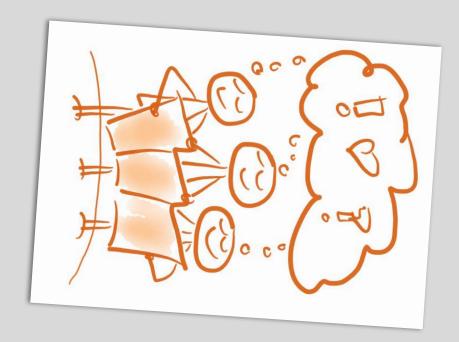


APPENDICES

Appendix A: Process Artifacts

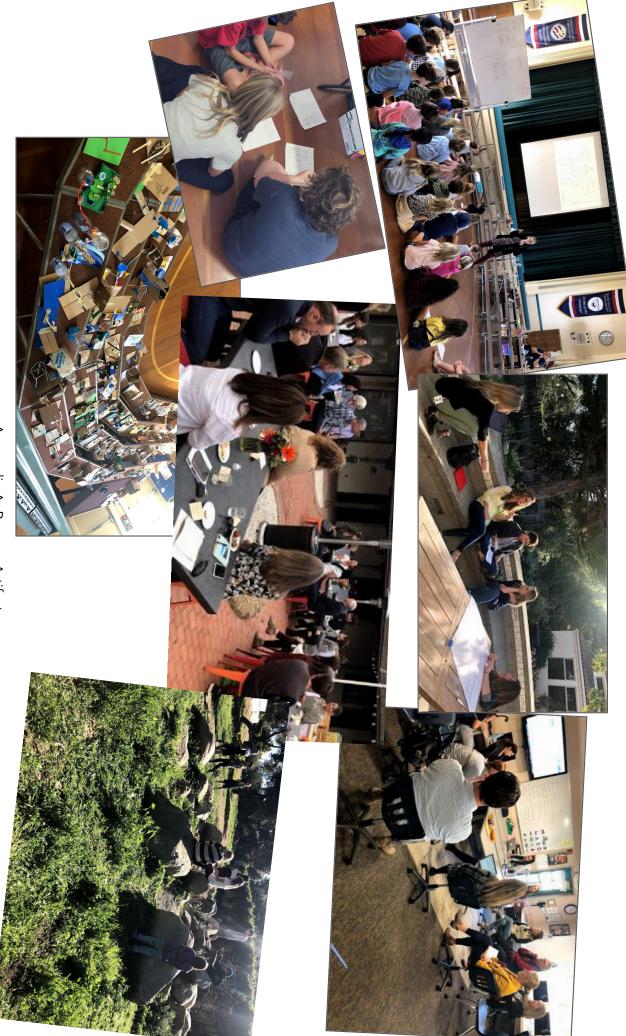
Appendix B: Resources

Appendix C:
Acknowledgements





FEBRUARY 2020 COMMUNITY ENGAGEMENTS



Appendix A: Process Artifacts

EXCURSION PHOTOS (2.27.20)



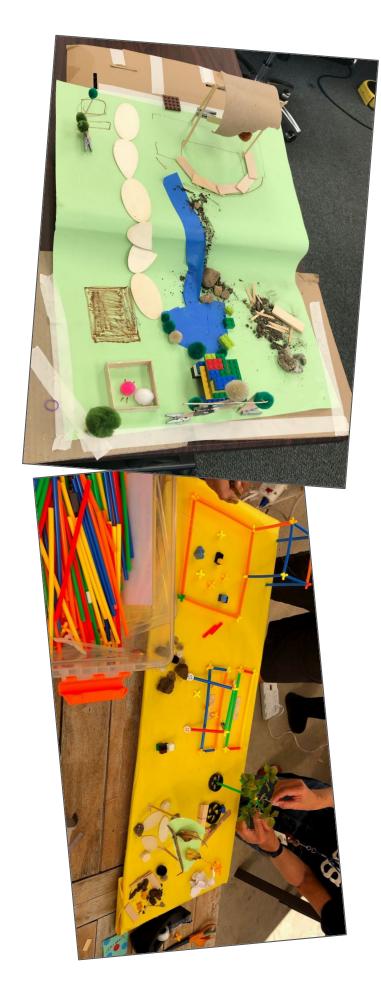


THE NATURE LAB

DESIGN TEAM INITIAL PROTOTYPES

Guiding principles:

- engage with nature
- find joy in messy unplannedness be inspired to care for planet and one another
- inspire curiosity and agency





EMERGENT RECOMMENDATIONS | of 2 (3.6.20)

afe Bet

- Tear down building; Repurpose as much material as possible
- Build bathrooms
- Grade (include ADA access) /drain + minimal landscape/xeriscape for natural, flexible play and workspace
- Build a grade level or larger meeting space, complete with shade elements; flexible seating
- Closed loop (conservation/catchment) water feature
- Animal/garden element (assuming no liability issues)
- Tools and loose parts

Most Meaningful

- Engage with students and faculty on aspects of the building to be repurposed, reclaimed, & recycled (there should be several items)
- During tear down process, provide opportunities for students to make sketches, notes, and observations of the process
- Show them how the materials are turned back to raw form
- : Take measurements of footprint.... Before and after for example
- d. Other curricular, STEAM and sustainability connections -- as many as possible
- 2. Learners collaborate to research, design and build aspects of "This Place," such as
- Mobile chicken coop
- b. Garden: location (shadow study), size, types of gardens (herb, medicinal, vegetable, wildflower, etc), Kind: straight in the ground rows, raised beds, garden containers (buckets & wooden), What will be grown? Where?
- : PVC Greenhouses for gardens
- d. Pallet compost bins (owned and managed by students and not experts)
- Tool shed and selection of tools
- f. Art installations
- g. Water catchment/conservation
- Continue to plan and engage in differentiated/phased professional learning such as pedagogy of play, maker-centered learning, regenerative/closed loop agriculture, art in nature, etc...





EMERGENT RECOMMENDATIONS 2 of 2 (3.6.20)

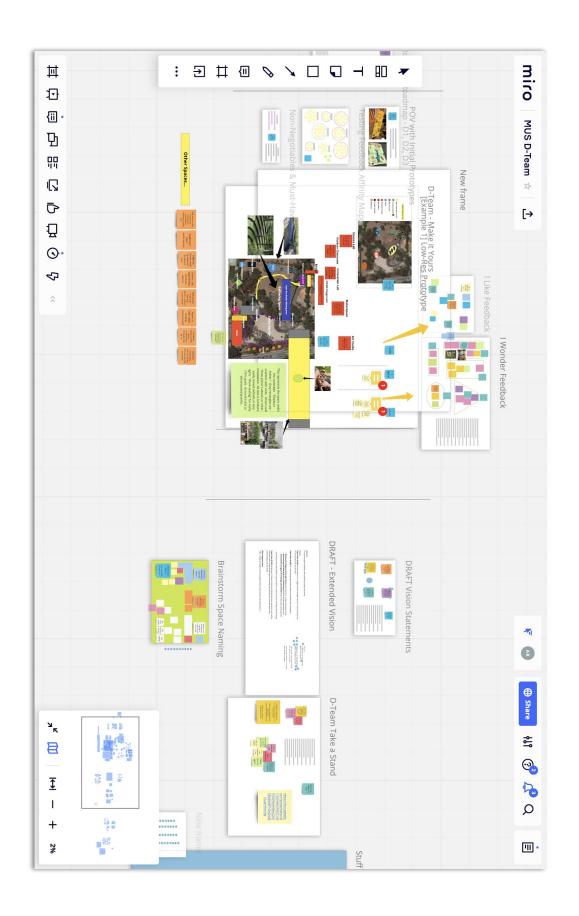
Moonshot

- Develop a phased plan (2-3 years) with hard targets for installations starting in 9 months i.e. building torn down, construction of bathrooms, water feature, canvas classroom
- Spend the next 6-9 months "living in" the space
- Create numerous learning opportunities for students, teachers, and parents i.e. Grace & Poco Farms, Besant Students & Faculty, Pedagogy of Play, others TBD
- Create intentional opportunity in individual and class schedules to simply "be" in the space + go further to do things beyond "just showing up"
- 5 design, and build for all learners (young and old); hire an experienced/expert Maker to Re-imagine the empty classroom near i-Lab as a true Makerspace: prep, research, plan, move this from concept to reality (emphasize learner agency)
- Consider how to use staffing resources to direct and lead this work
- and allow for similar prototypes to exist at the same time e.g. multiple gardens, organic Prototype, prototype, prototype: pallets, pvc, logs, sticks, scraps of wood, lumber, tools play structures, engineering projects, art projects, experiments
- φ and learner agency. (Kids do more, teachers/leaders/facilities do less) Document and capture! Closely attend to and design for culture shifts, mindset growth,
- Communicate and celebrate. Tell stories.





APRIL 2020: COVID-19 PIVOT TO DIGITAL WORKSPACE!

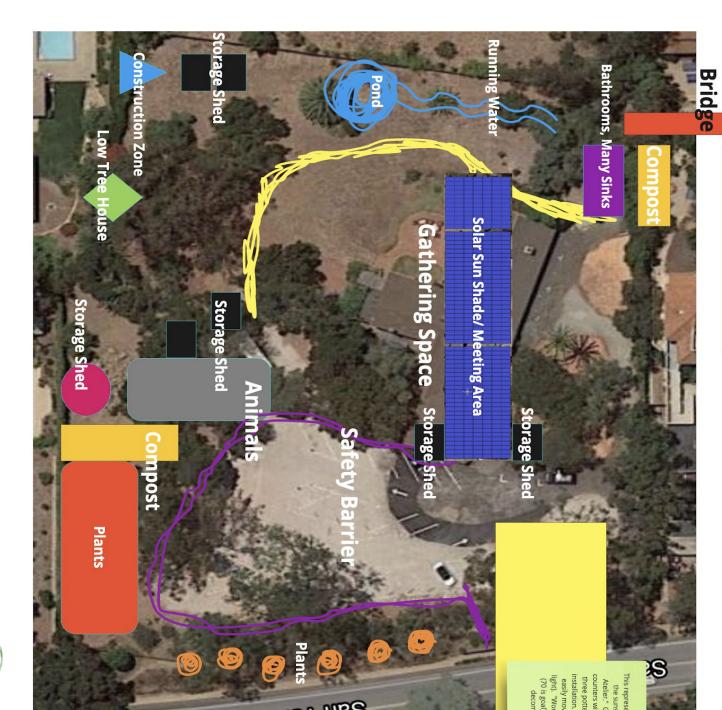






COMPONENT

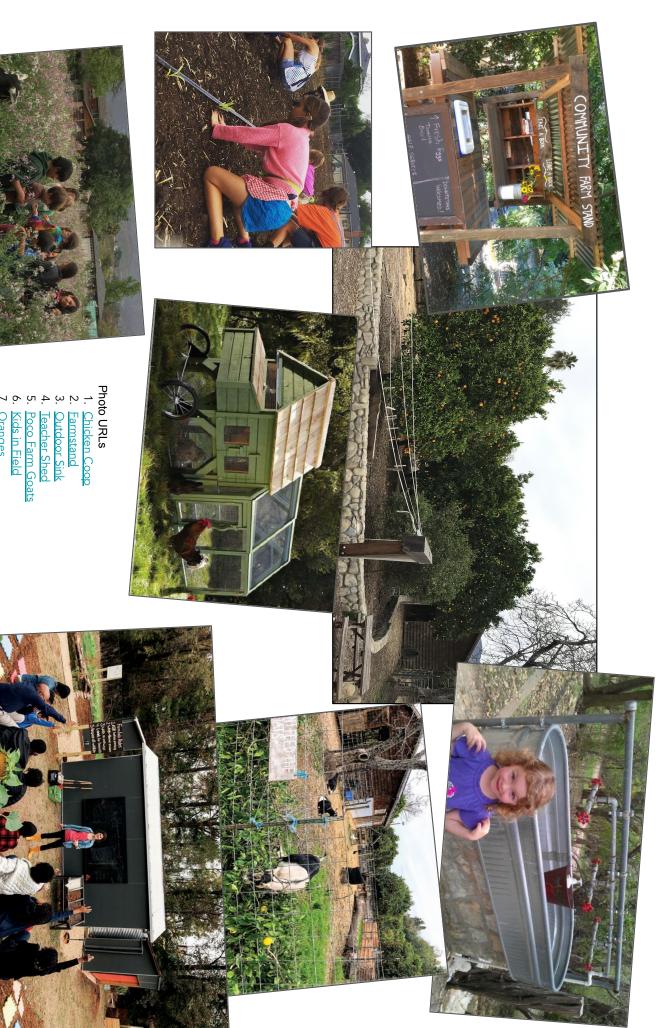
(v5 - April 2020)







INSPIRATION PHOTOS - FARM & FARM STAND





<u>Oranges</u> Kids Planting

INSPIRATION PHOTOS - COLLABORATORY & GATHERING SPOT



Photo URLs

1. Bamboo Spaces
2. Solar Canopy
3. Shipping Container
4. Outdoor Learning

INSPIRATION PHOTOS - COLLABORATORY & GATHERING SPOT



Appendix A: Process Artifacts

4. <u>Kiln</u>5. <u>Earth Oven</u>6. <u>Art Kiln</u>7. <u>Office Studio</u>

Wood Workshop

INSPIRATION PHOTOS - ENVIRONMENT AS AGENT





Resources to seed inspiration and planning!

BIODYNAMIC/ REGENERATIVE AGE CULTURE

- National Ag in the Classroom
- The Collective School Garden Network
- Farm to School Resources
- California Learn About AG
- <u>Green Bronx Machine</u>
- <u>Urban Agriculture</u>

NATURE-INSPIRED MAKING

- Worlds of Learning
- <u>MakerED</u>
- Art & Music Outdoors
- Outdoor Classroom
- <u>Learning is Open Toolkits</u>

OF CHALLENGE C WONDER

- <u>Learning Through Landscapes</u>
- Tree People
- Green Schools Initiative
- <u>Tinkergarten</u>
- Loose Parts Play
- Children & Nature Network
- NEEF Environmental Ed Resources











ADDITIONAL RESOURCES + ARTIFACTS

- <u>d.Team Initial Synthesis</u>
- Emergent recommendations
- First prototype feedback
- G5 Observation Organizer
- G6 Affinity Mapping
- G6 Ethnography Organizer
- <u>Ideas for 'Wonder Space'</u> (inspiration from Alyssa)
- <u>Ideas for Science Learning</u> (inspiration from Vanessa)
- Photo Album of 1st Site Visit
- Playwork Primer / 4A's Protocol
- Project Zero's Pedagogy of Play
- Stop Light Protocol (PLC)
- Question Starts (VTR)
- Question Sorts (VTR)
- Student challenges (K, 5, 6)





ACKNOWLEDGEMENTS

With tremendous gratitude for the entire MUS community and special thanks to:

MUS Board of Trustees

MUS Foundation

The Amazing d.TEAM

Autumn, Anthony, Nick & Jesse

Besant School

Civic Dinner Attendees

Facilities Team

Faculty & Staff of MUS

Grades 5 & 6 Teachers and Students

KidSpace Museum

Poco Farms

RC Makes

STEAM Specialists





ABOUT US



Design at Atlanta International School. leaders and teams. Her most recent school role was serving as Head of Research and Learning Shelley Paul provides professional coaching, strategic consulting and facilitation for school

facilitation to her work and engagement with school leaders, teams and communities. participatory problem-solving and decision-making, strategic process design and group With more than 20 years of experience in independent/international education and adult learning, she brings a unique background and deep experience in collaborative leadership,

facilitates ways of working that work. She will draw you a stick figure version of anything you Shelley is a Stanford d.school trained design thinker and team mentor. She models and



and futurist for individuals and organizations communities. She drives sustained culture change through serving as a valued catalyst, partner partnering. She works with schools to infuse design thinking into their curriculum, culture, and implement learning experiences and spaces through workshops, presentations, and consultative Mary Cantwell is an empathy engineer who collaborates with organizations to design and

Among her current projects, Mary works with Fujitsu Americas to design and facilitate a K12 educator, innovator, and creator to drive her unique design approach experiences as a Stanford d.School trained design thinker and coach as well as her 20+ years of professional learning experiences across the U.S. for K12 education. Mary utilizes her

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