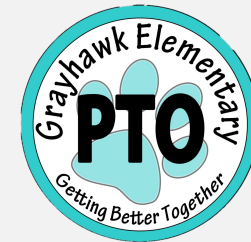


# Outdoor Classroom at Grayhawk Elementary School

*A project by*



# Revisiting the Purpose

- Establish an outdoor educational space appropriate for Pre-K through 6<sup>th</sup> Grade
- Enhance and support Core Knowledge Curriculum
- Build a space for more than one group to use at a time; inclusive of all abilities and ages
- Able to serve multiple functions
  - Garden
  - Presentation
  - STEAM

# Process

- ✓ 1. Define Purpose of Space
- ✓ 2. Gather information/site visits
- ✓ 3. Establish Focus Areas
- ✓ 4. Establish Needs/Wants/Likes
- 5. Set Budget
- 6. Sign contract with Design Group
- 7. Form Steering Committee
- 8. Public Relations Committee?

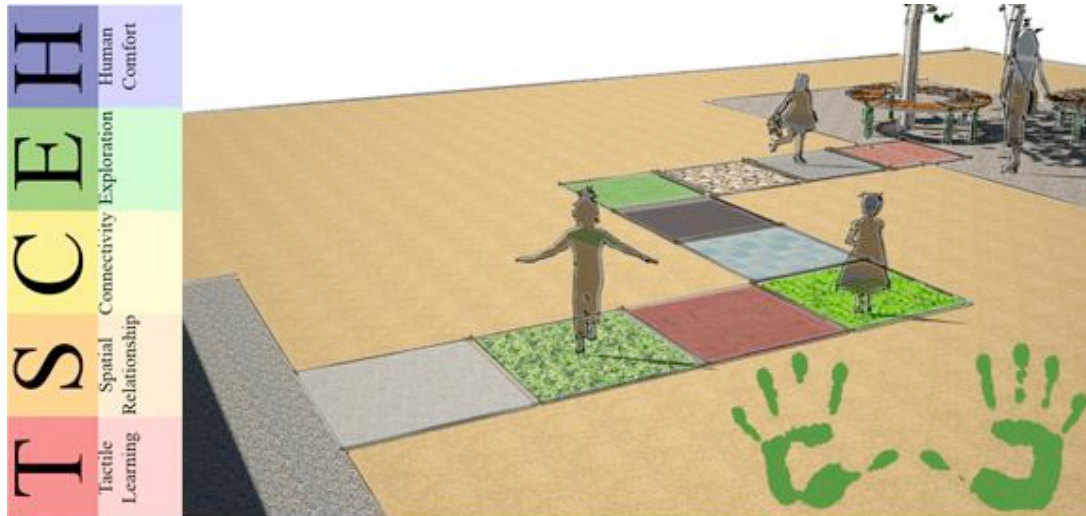


MRT Design  
Mrtdesignllc.com

- Local Architectural Firm, 2 project contacts serve as Professors of Architecture at U of A.
  - Expertise in designing shading and sustainable spaces specifically in classroom/teaching settings.
  - Commitment to designing within our proposed budget and using materials and systems that are low cost and low maintenance.
  - Desire to publish their work as “an illustration of education in a sustainable environment.”
- 
- Will serve as project manager instead of PTO managing.
  - Coordinate with contractor during planning to ensure no budget overruns.

**Designer/  
Contractor**

- Tactile Learning – Hands-on learning
- Spatial Relationships – Regulation of movement and order
- Connectivity – Relationship development with peers/adults and nature
- Freedom of Exploration
- Human Thermal Comfort



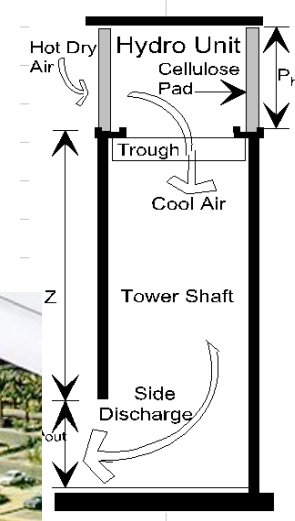
The outdoor classroom environment is the “third teacher”, the classroom becomes the learning tool.

## MRT Guiding Principles



# Cool Tower Amphitheater

Cool tower technology and sunken amphitheater keeps temperatures up to 30° lower in the teaching space.



# MRT Design Cost



April 10, 2021

Grayhawk Elementary School  
7525 E. Grayhawk Dr.  
Scottsdale, AZ 85255

RE: **Architectural/Engineering Proposal** for Outdoor Classroom at Grayhawk Elementary  
7525 E. Grayhawk Dr., Scottsdale, AZ 85255

Dear Elise, Gretchen, and Lisa,

Thank you for selecting MRT. I have summarized below and on the following page my understanding of your project goals, our scope of work, proposed schedule, and fee:

- Project Goals**
- Construct a multipurpose outdoor classroom at the Grayhawk Elementary school on an existing  $\pm 10,000$  SF site to the east of the existing school building. The site will accommodate multiple functions including a shaded amphitheater, a creating/building area, intellectual exercise playground, and a garden area. The program may include accessories such as a cool tower, and other microclimate modifying technologies.
- Scope of Work**
- Work with the PTO committee to program and design the space and all the components.
  - Prepare color renderings of plans, elevations and 3 dimensional models for presentation, review, and approval.
  - Prepare a cost estimate for the work and revise as needed.
  - Prepare schedule for the design process and anticipated bidding and construction durations.
  - Prepare construction documents for the approved design and submit for permitting at the AHJ (authority having jurisdiction).
  - Assist the school with bidding and selecting a contractor to perform the construction.
  - Perform construction administration as required (weekly visits and construction observations) approving any needed submittals and responding to the contractor's RFIs.
- Schedule**
- Assuming we receive your approval of our proposal on or before April 16<sup>th</sup>, 2021 we will schedule our work to:
- Commence on April 19<sup>th</sup>, 2021.
  - Complete verification of existing conditions and preliminary design by

A/E Proposal for  
Outdoor Classroom at Grayhawk Elementary  
Page 2

May 1<sup>st</sup>, 2021.

- Issue a detailed design schedule for the rest of the design phases.
- Complete bidding documents, ready for contractor solicitation three weeks after design approval.

Cost of Service Fixed fee of Five thousand dollars **(\$5,000.00)** including reimbursables.

If this proposal is acceptable, please let us know so we can prepare a contract for your review and signature.

Thank you for the opportunity to be of service. We look forward to working with you.

Respectfully,

Akram Rosheidat, Architect

copy: MRT Proposal File

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Complete design and project  
management services for \$5,000.



# Approx. Construction Costs

Item	Cost
2,000 SF Barrel Vault Cantilever shade structure.	\$25,000.00
Amphitheater/cool pit, capacity 80 students	\$20,000.00
Playground	\$15,000.00
Creating/building area (under shade)	\$5,000.00
Landscaping & Irrigation (including the gardening area)	\$10,000.00
<b>Total Construction</b>	<b>\$75,000.00</b>





# Next Steps

- Amend motion to approve \$5,200 to Nature Explore for design of Outdoor Classroom to \$5,000 to MRT Design LLC for Outdoor Classroom Design and Project Management.
- Sign Contract with MRT Design
- Notice of submission of Special Funds Request of \$75,000. Per Special Funds Request Addendum, “Special Funds requests can be voted on by the PTO Executive Board during the next scheduled PTO meeting or via email with the date notated in the next meeting minutes.”
- Establish Steering Committee at Grayhawk

# Fundraising/ Cost Containment Ideas

## Fundraising

- Spring T-shirt sale specific to Outdoor Classroom
- Plant sale
- Capsule Bracelet/necklace sales



## Cost Containment

- Grade level workdays (partner two grades together for parent volunteer work days to assemble/install, special treat/party for grade levels with most volunteers).
- Sponsor a table/bench. Donate or assemble a bench/table/etc and mount a plaque on the item (donated by xxx family, assembled by xxx family)

