Case Study

Rock Creek School is the only facility for special needs students in Frederick County. For our design, much of our research was conducted on site. By working closely with staff and students, we developed an appreciation for exactly what special needs students require in their learning environment.

Issues

- Classroom partitions isolate student activities
- Does not meet ADA standards
- Institutional feel
- Inadequate fixtures and appointments
- Narrow hallways

Our Solution

- Inclusive classroom designs
- Inspiring environment that removes barriers
- Fulfilling experience
- Interactive devices
- Flexible, open transition and common spaces
The Foundation

Inclusive
Interactive
Flexible

Inspiring
Fulfilling

Parti Pris

A Purposeful Experience
Research
We used Rock Creek as a case study, as well as ADA standards as a design guide.

Concepts
There were many design iterations before coming up with the final floor plan.

Documentation
We used Revit 2018 and AutoCAD Architecture to document our project.

Visualization
We used Lumion for the renderings and Photoshop for the presentation board.
Why is the Hawking Academy different?
Courtyard
Classrooms
Movement Center
Sensory Room
Gymatorium
Accessibility

- Plenty of turnaround space for wheelchairs
- School is one floor only, and has appropriately sized hallways, doors, and classrooms
- All technology is adapted for simple access
Budget

- Plumbing: $541,000
- Electrical: $5,604,000
- HVAC: $1,724,000
- Materials: $4,062,000
- Landscaping: $925,000
- Square Footage: $18,227,000

Total Budget: $31,083,000
LEED Score

Gold (79)

Additional Trees
Permeable Pavement
Solar Panels
Low Emitting Materials
Green Spaces
Our Model
PROJECT HIGHLIGHTS
“If a child can’t learn the way we teach, maybe we should teach the way they learn.”

-Ignacio Estrada