



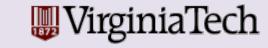




THE STANDARD OF EXCELLENCE









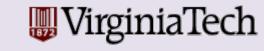
Purpose of the Competition

- Expand the diversity of attendees at the annual conference by encouraging participation at the university level
- Student opportunities: educational facility planning, collaboration with design professionals, presentation skills, career development
- Add a "student perspective" component to the annual conference











Competition Overview

- Students at Virginia Tech and Hampton University competed independently
- 3 classes total 2 classes at Virginia Tech and 1 class at Hampton University

Awards per Each Class

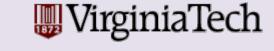
- First Place \$500 award + conference expenses (present design)
- Second Place \$200 award + conference expenses (present design)
- Two Honorable Mentions certificate

Mentoring Teams

- Virginia Tech Stafford County Public Schools, RRMM Architects, Grimm + Parker Architects
- Hampton University Newport News Public Schools, RRMM Architects, Moseley Architects





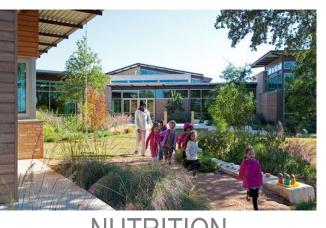


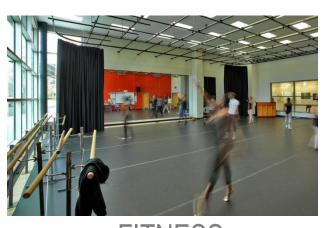


Competition Overview

- Design a STEM Elementary School for 800 students
- Sites selected by Universities
- 3rd or 4th year architecture students, 6 weeks to complete
- Program organized around spaces that promote a holistically healthy student Leadership, Nutrition,
 Fitness, and Discovery with formal and informal learning spaces









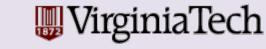
LEADERSHIP

NUTRITION FITNESS

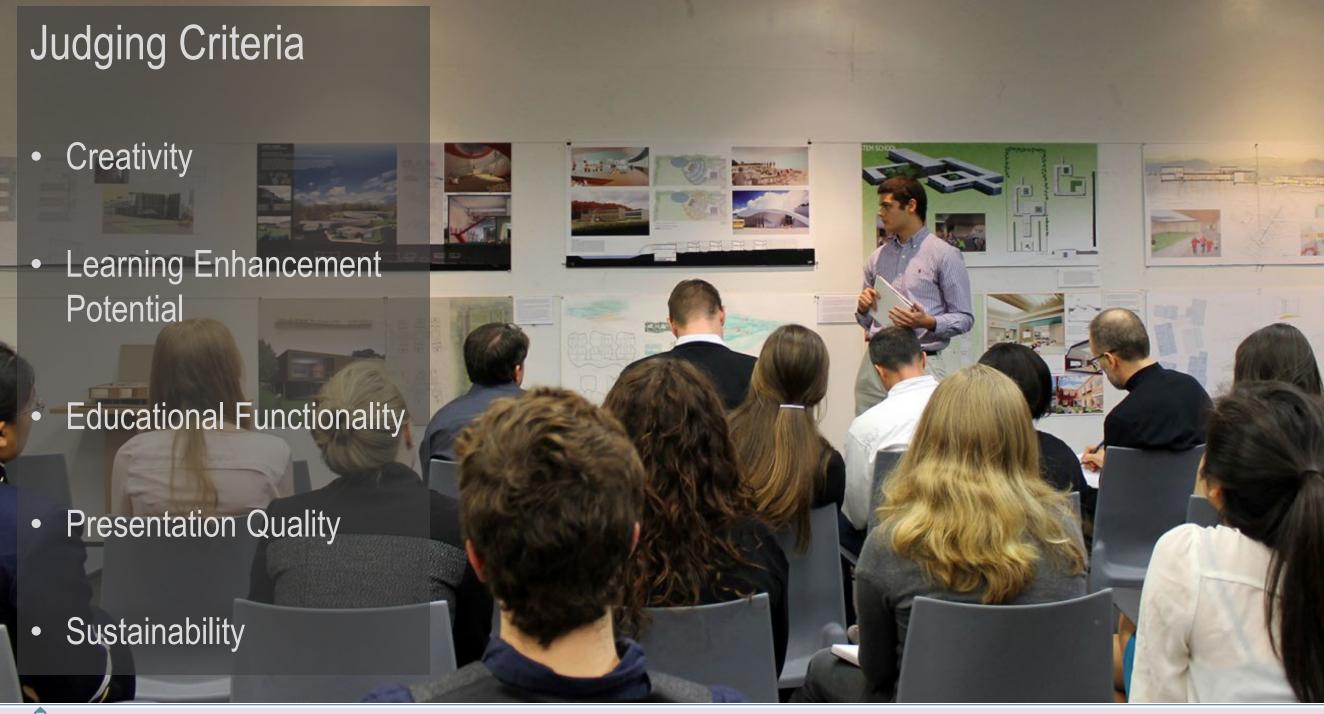
DISCOVERY





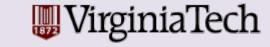














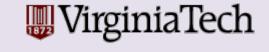
First Place – Carolyn Thoenen

Virginia Tech Class 1











Jury Comments:

- good connectivity between the different learning environments
- promotes

 interaction
 between grade
 levels with dynamic
 building/site section



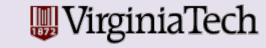










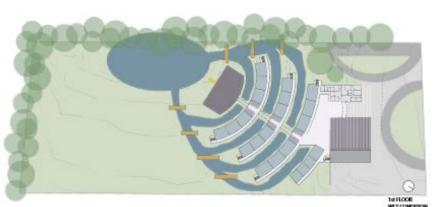




Second Place – Brandon Holcombe

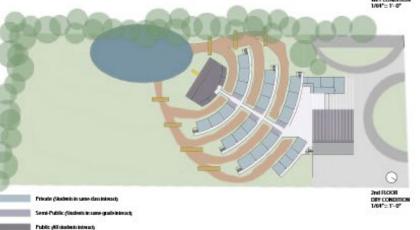
Virginia Tech Class 1





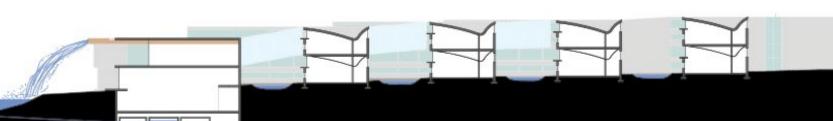






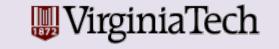


To endormed water by its understand cycles, natural forces, and to an entent, the comparison Learning-lipton water spice whileher the opportunity to one alternate responsible water. All the comparison is considered to open of a world. Children begin its understand cycles that entit, but also not seen. Here declarated with these hadred seeing the tait, they understand why it is taiting, bristand of weeking flowing water, the understand whythe waits in flowing-tail way. The children pumpers through the years of elements water, like would cause to exist. As the children pumpers through the years of elements which, they will expect our like the children pumpers through the years of elements which, they will expect the pumpers and the water provides like like in plan and expensives. Here will despite incondermantiles parkets that exist invasives they will be the waters nearly that we now water as a sensors and here we can respect. It they was











Second Place – Brandon Holcombe

Virginia Tech Class 1

Jury Comments:

- the flow of storm water is clearly expressed as it illustrates life cycles and natural forces
- water becomes a vehicle for learning throughout the school

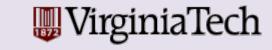








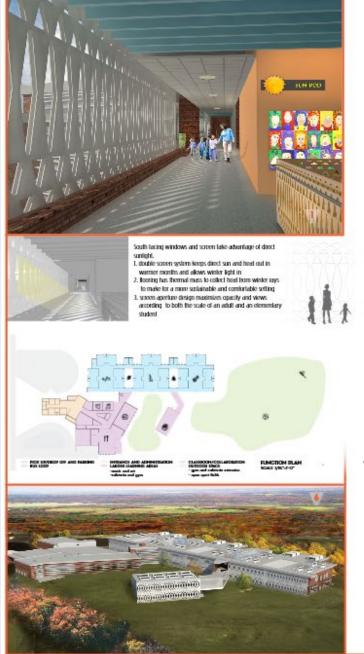






Honorable Mention – Andres Jimenez Botero

Virginia Tech Class 1





Jury Comments:

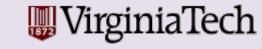
 with positive effects on vision, memory, and morale, daylighting is a design and learning tool

SITE + FIRST FLOOR PLAN SCALE 1/48"="I"-O"











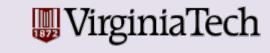
Honorable Mention – Allison Baker

Virginia Tech Class 1





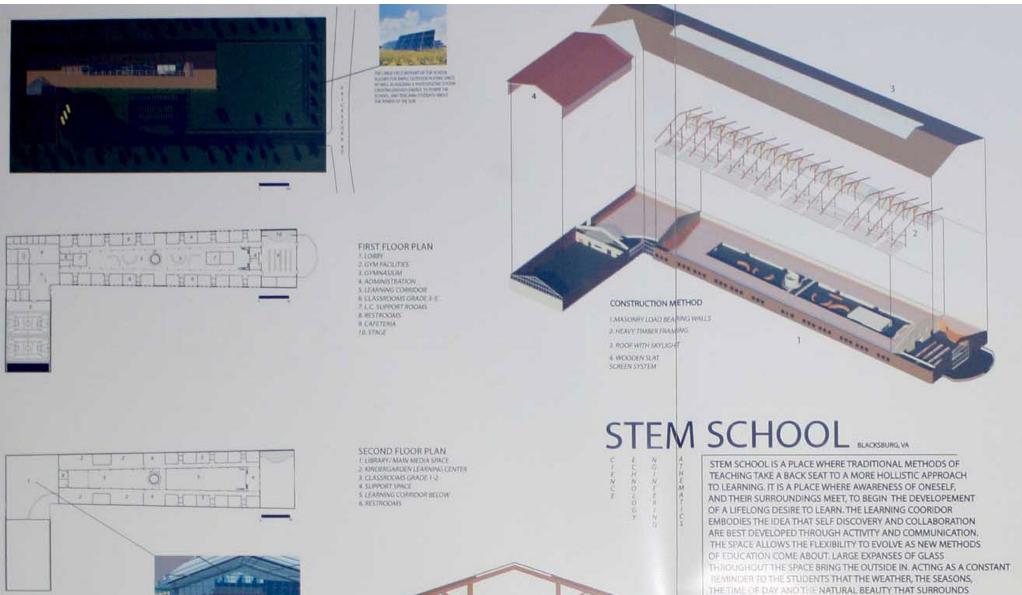






First Place – Connor Phiel

Virginia Tech Class 2





SET TO THE REAR OF THE SITE. THE BUILDING'S LUNG DRIVEWAY ALLOWS USERS TO EXPENIENCE THE ENTIRE SITE.

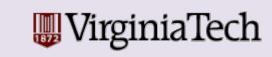


LEARNING COORIDOR - THE HEART OF DISCOVERY & COLLABORATION WITHIN THE SCHO









THE MAS A PART OF THEIR EVERYDAY WORLD.



Virginia Tech Class 2

Jury Comments:

- the different grade levels have great sight lines to see and experience what the other grade levels are doing
- these learning environments are successfully integrated into a barn structure which relates back to the local vernacular



CONSTRUCTION METHOD
MASONRY LOAD BEAZING WALL
HEAVY TIMBER FRAMING
ROOF WITH SKYLIGHT
WOODEN SLAT

STEM

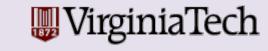
TEACHING TAKE A BACK SEATTO A MORE HOLLISTIC APPROACH
TO LEARNING. IT IS A PLACE WHERE AWARENESS OF ONESELF,
AND THEIR SURROUNDINGS MEET, TO BEGIN THE DEVELOPEMENT
OF A LIFELONG DESIRE TO LEARN. THE LEARNING COORIDOR
EMBODIES THE IDEA THAT SELF DISCOVERY AND COLLABORATION
ARE BEST DEVELOPED THROUGH ACTIVITY AND COMMUNICATION.
THE SPACE ALLOWS THE FLEXIBILITY TO EVOLVE AS NEW METHODS
OF EDUCATION COME ABOUT. LARGE EXPANSES OF GLASS
THROUGHOUT THE SPACE BRING THE OUTSIDE IN. ACTING AS A CONSTAN
REMINDER TO THE STUDENTS THAT THE WEATHER, THE SEASONS,

ACKSRURG, VA.

LEARNING COORDORS—THE HEART OF DISCOVERY & COLLABORATION WITHIN THE SC





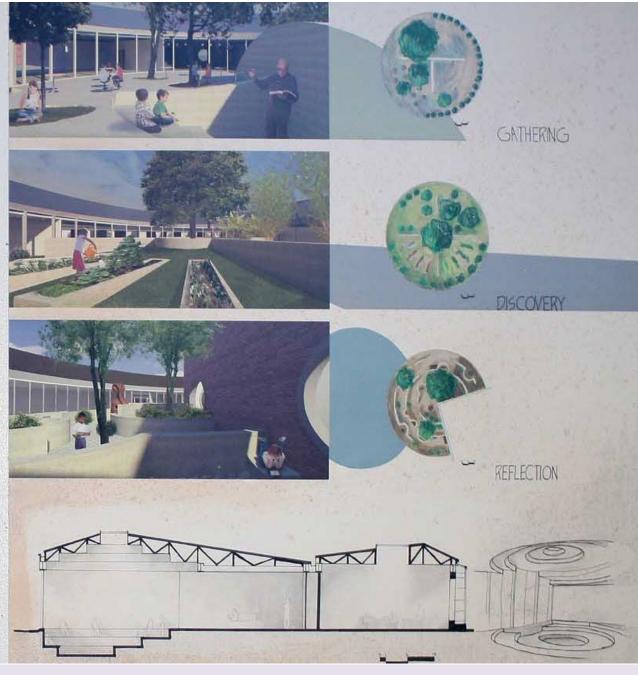




Second Place – Kelly McCarthy

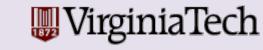
Virginia Tech Class 2













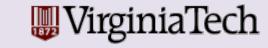
Jury Comments:

- a variety of learning spaces ranging from classrooms to collaborative spaces to unique outdoor courtyards that encourage students to gather, discover, and reflect on the natural environment
- skylights provide a dynamic daylighting effect, while changes in the floor level direct movement and create learning spaces









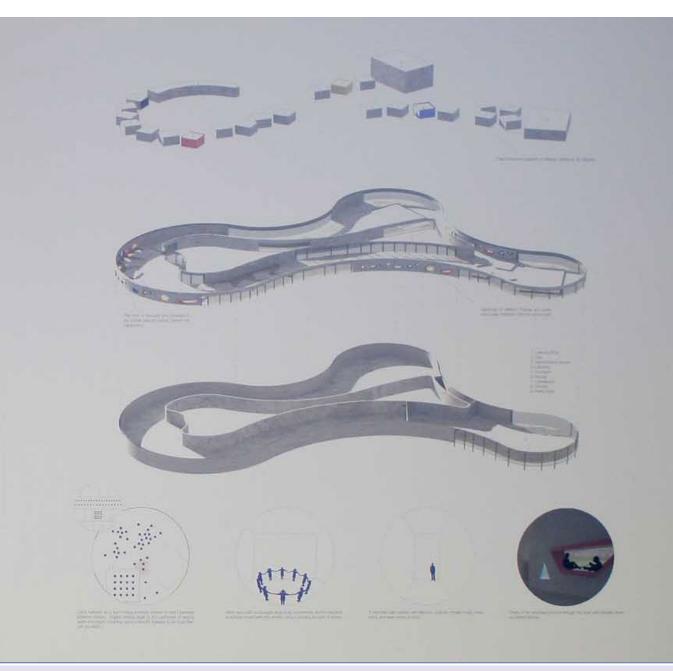


Jury Comments:

 niches and other child-inspired spaces illustrate the thought that was given to how students would experience the building

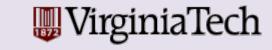










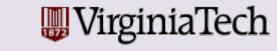














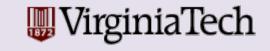
First Place – Chase Kea

Hampton University Class 3











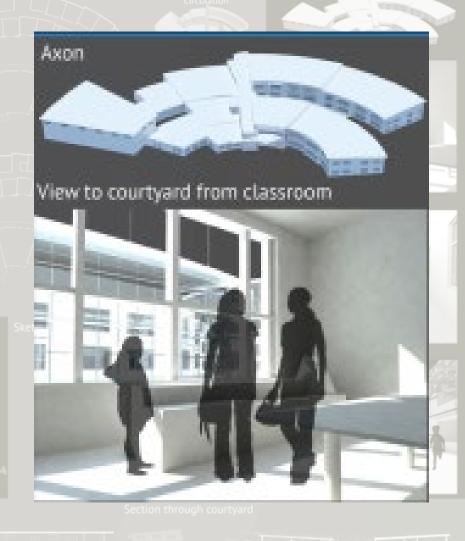
"PEBBLE IN



Jury Comments:

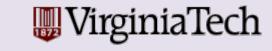
- well researched, well documented, programmatic areas are well zoned
- demonstrated a good understanding of the outdoors very good connection between the outdoors and the indoors by relating the marsh to the building











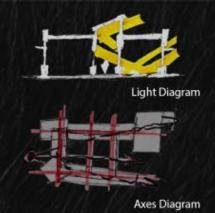


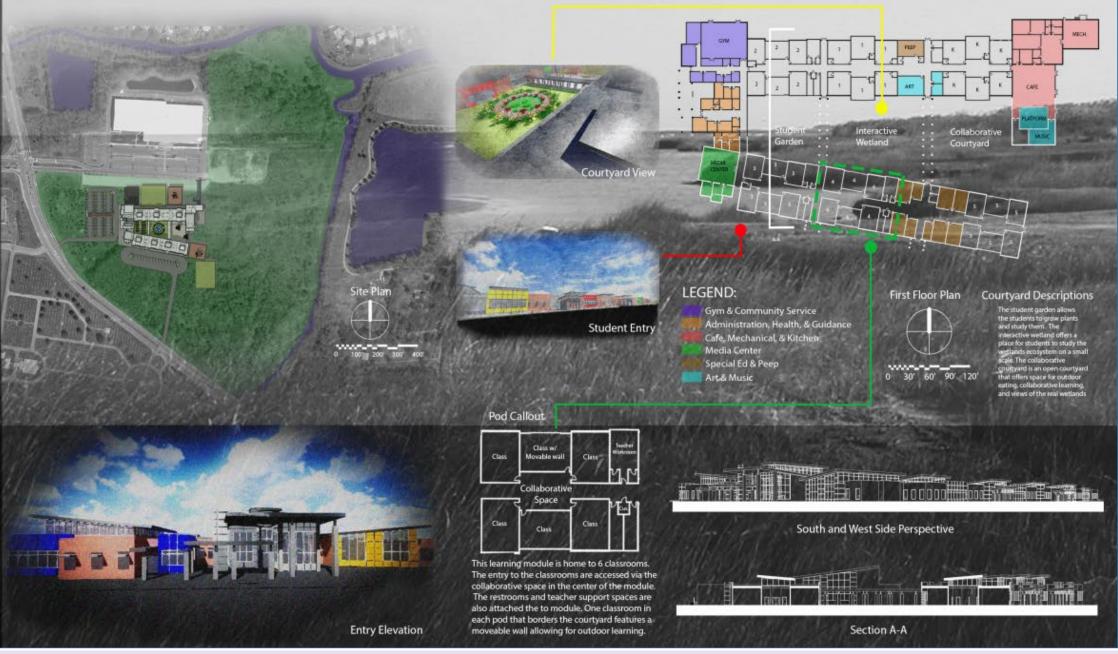
Second Place – William Parks

Hampton University Class 3

THE ILLUMINATED WETLAND

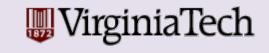
Light is defined as the form of energy that allows us to see things. Not only does light help us see, it also effects our mood and inspires creativity. Much like the wetlands are saturated with water this school is saturated by sunlight creating an "Illuminated Wetland." The spaces that require extra creativity, such as the collaborative spaces and art, recieve the most sunlight. Organizationally the building was broken into three modules, rperesenting the three different types of wetlands. Each module is composed of smaller modules that can be taken out and implemented into other projects. Circulation through the module is through the collaborative spaces offering the opportunity for the older kids to mentor and help the younger ones. The "Illuminated Wetland," like a real wetland, is a diverse ecosystem of teachers, students, and faculty, working together to reach a higher goal. Wetlands provide nutrient rich food for wildlife like schools provide knowledge for children to grow.













Second Place – William Parks

Hampton University Class 3





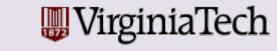
Jury Comments:

 the elevations are colorful and bold, very refreshing, and friendly to elementary school age kids - this is what an elementary school is supposed to look like





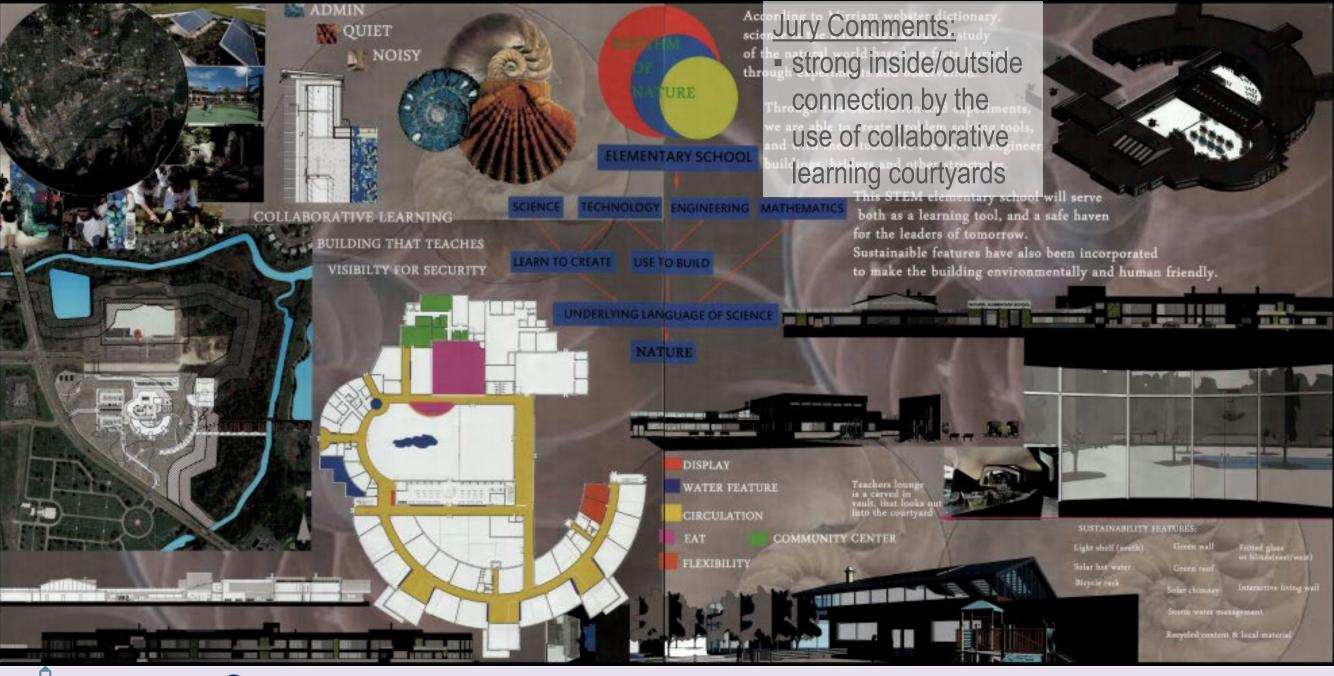






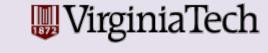
Honorable Mention – Philpatsy Agwu

Hampton University Class 3





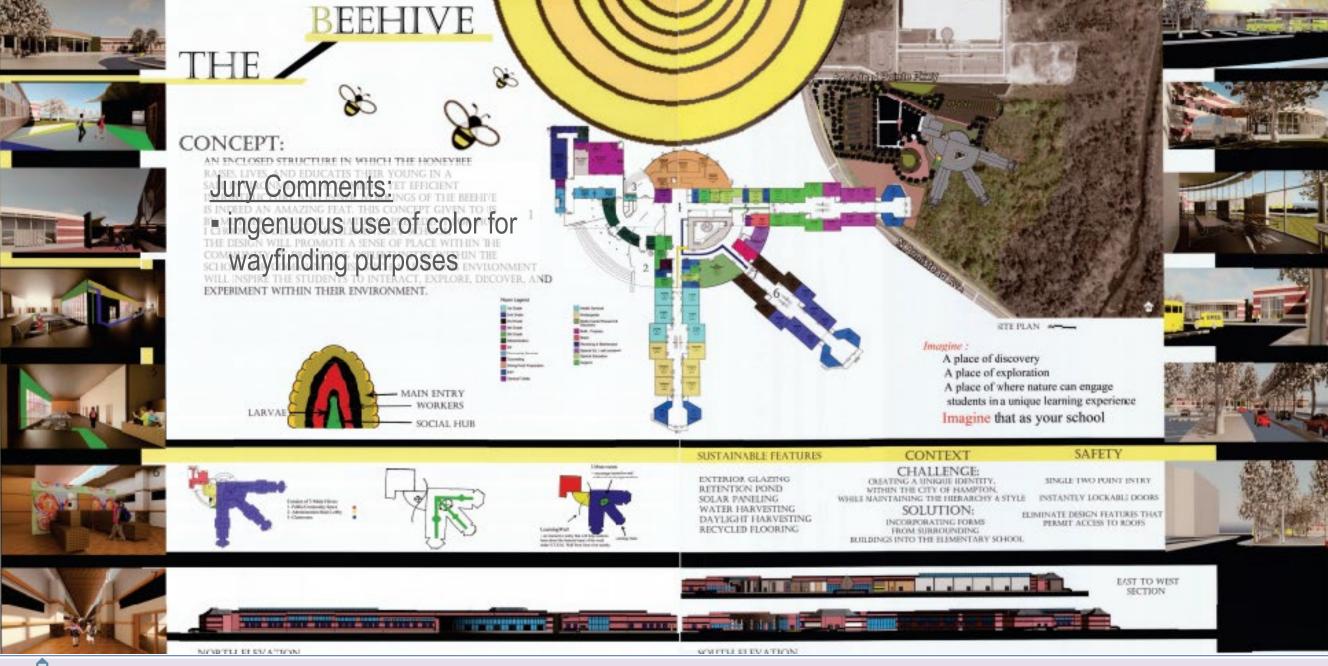




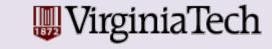


Honorable Mention – Darryl Alexander

Hampton University Class 3





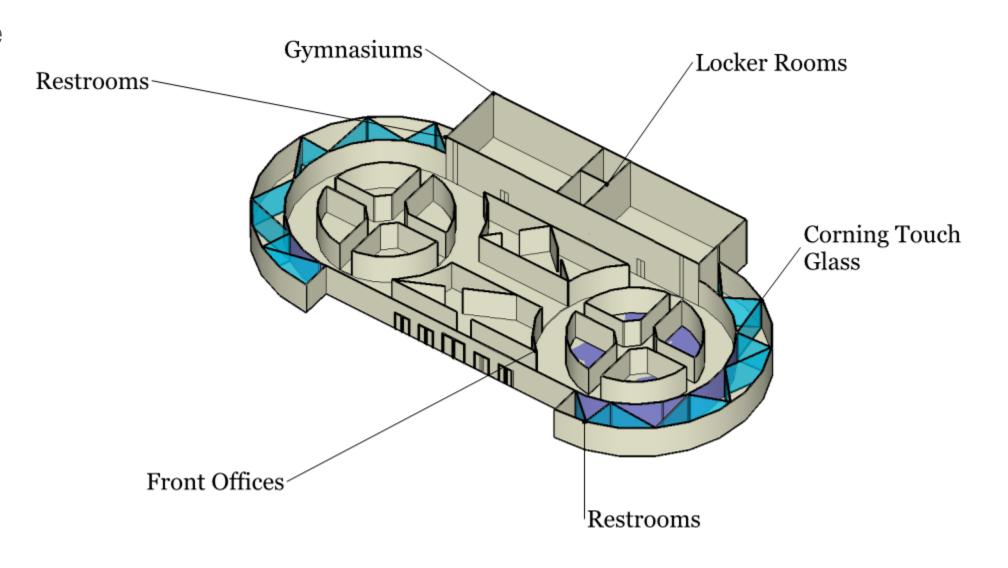




Award – Katie DiFrancisco, Chris Padgett, Wade Gallagher, Spencer Parker School of the Future Competition

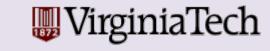
"It's not the strongest of the species that survives, nor the most intelligent, but the one most responsive to change." Charles Darwin

This quote represents the basis of education; that students should learn to be adaptive and go into the world to bring the change that is necessary – this design reflects a pedagogical change in education.





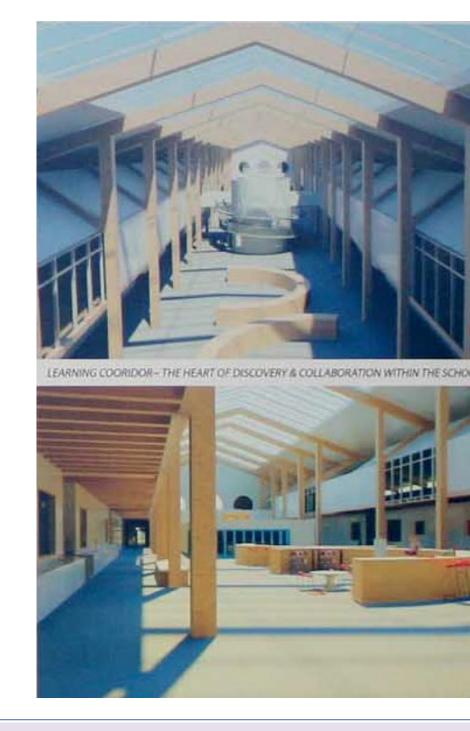






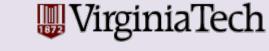
Final Jury Comments

- Diagrams are Important to Explain an Idea
- Develop the Concept at Different Scales
- Entourage Helps the Viewer to Understand the Spaces
- Provide Clarity of Concept Include a Legend of Spaces Emphasize What's Important
- Overall.... Very Impressive!!! Thank you!!!











Special Thanks to...

- Virginia Tech
 - Professor Elizabeth Grant
 - Professor Mario Cortes
- Hampton University
 - Professor Robert Easter
 - Professor Paul Battaglia
- School of the Future
 - Mike Ulderich



