CREATE.
COLLABORATE.
CONNECT.

THE GLIMCHER
TECH AND
DESIGN HUB
INNOVATION IS CENTRAL TO EVERYTHING WE DO AT SHADY SIDE ACADEMY. The construction of the McIlroy Center for Science and Innovation and the science lab renovations at the Junior and Middle Schools reflect our commitment to expanding our science and technology facilities. We now embark on the final phase of this exciting initiative – the Glimcher Tech and Design Hub at the Senior School.

The spaces previously occupied by science in Rowe and Memorial Halls are now being renovated to create spacious new computer labs, plus a modern fabrication space and robotics arena, completing Shady Side Academy's new academic quad.

Providing a state-of-the-art home for our thriving computer science program and our highly successful Robotics and Science Olympiad teams, the Glimcher Tech and Design Hub will encourage our students to reach further into the future of artificial intelligence, automation and technology.
CREATE

FABRICATION & ROBOTICS WING

Students will delve into automation, experiment with concepts and engineer solutions in this dedicated fabrication and robotics wing. It will house a variety of learning and creation spaces including:

- FABRICATION LAB
- ROBOTICS ARENA
- FULLY-EQUIPPED WORKSHOP
- WET LAB
- MEETING ROOM
- FACULTY OFFICES
- AMPLE STORAGE FOR PROJECTS

Flexible furnishings will allow classroom teaching to easily transition to areas that allow for hands-on work and experimentation. The facility will be outfitted with the necessary equipment students need to maximize their building potential, including a CNC router, laser cutter, underwater test environments, and a dedicated motion capture system-equipped robotics competition arena.
COLLABORATE

COMPUTER SCIENCE WING

As the new home of the Computer Science Department, this wing will finally give students and teachers a modern, dedicated technology space, including:

- TWO SPACIOUS COMPUTER LABS/CLASSROOMS
- COLLABORATION ROOM
- FACULTY OFFICES

Equipped with modern computer workstations and touch-screen monitors for projected classroom content, the new technology learning spaces will further enhance Shady Side Academy’s already strong computer science curriculum. SSA offers courses in problem-solving, mobile app development, robotics, web design and game design, as well as advanced electives in Java programming, discrete structures, data structures and algorithms, machine-based learning, artificial intelligence and more.

"The world is going more and more to automated systems and robotics. The opportunities for future advancement and employment are going to be for the best prepared students. Our students will have the best opportunity to take those opportunities in the future."

- JOHN WIZZARD,
  COMPUTER SCIENCE DEPARTMENT CHAIR
Students will access the Glimcher Tech and Design Hub through an all-new entrance to Rowe Hall, located along the campus drive directly across from the McIlroy Center for Science and Innovation. Directly inside the new entrance will be a café and community space, designed as an innovative place for students and members of the community to gather, socialize and connect.

Positioned at the heart of the new academic quad, the café will be a place where students can easily grab a drink or a quick bite to eat, catch up with friends and teachers, and check out the latest Shady Side Academy gear. The entrance is designed to become a welcoming new focal point on the Senior School campus.
Now is the time to reimagine Shady Side Academy and create an experience to propel the next generation of students. We invite you to take a closer look at the future we are building.

**THE IMPORTANCE OF THE GLIMCHER TECH AND DESIGN HUB:**

**CREATE**
Supports the amazing projects Shady Side Academy students create at all levels, whether robotics, Science Olympiad or independent research.

**COLLABORATE**
Flexible learning spaces encourage students to interact and expand thinking, while allowing faculty members to broaden their lessons through collaboration and hands-on learning.

**CONNECT**
A new entrance and café will connect the Glimcher Tech and Design Hub to the McIlroy Center for Science and Innovation at the heart of the Senior School’s new academic quad. And, these new spaces will connect students to the future of technology and automation by meeting the needs of an evolving curriculum.

Help us make this exciting next phase of science, technology and innovation a reality at Shady Side Academy. Your support will allow our students to open their minds to the future.

**FOR MORE INFORMATION OR NAMING OPPORTUNITIES, PLEASE CONTACT:**

**DR. ALLISON SARAS**
Director of Alumni and Development
412.968.3077
asaras@shadysideacademy.org
"Our students are already doing amazing work with very limited space and tools. The Glimcher Tech and Design Hub will modernize all of the spaces that we have and maximize the building and innovation potential for our students. It will inspire amazing creativity."

- SOPHIE LAU
HEAD OF SENIOR SCHOOL