



THE BWL STEAM PROGRAM GRADES 6-12

The STEAM program at BWL is a school wide initiative meant to bridge the divide between the humanities and STEM. STEAM is integrated into curricula in many ways, one of which is through BWL's Poetry Initiative.

The goal of the STEAM Initiative is to provide students with 21st century skills that enable them to thrive in and improve the world. Within and beyond the classroom, STEAM programs include our WISE Speaker series, K-12 Robotics program, AIRS Program (Accelerated Independent Research in STEM), public lectures by University professors, The Global Poetry Consortium, and interdisciplinary initiatives including an all school Poetry Initiative. All of these empower students to engage the world and to solve problems through inquiry and innovation.

Additional programs, such as the 6th grade Design Fair or the TEDx Conference, highlight the importance of being a global citizen by using scientific and technological fluency to build a more sustainable world.

The BWL School is committed to ensuring that all of our students develop problem-solving skills at every level. It is a primary goal of the STEAM Program to focus on inclusivity and on exposure to diversity in STEAM fields. One of the ways BWL accomplishes it's goal of inclusion is by inviting artists and innovators from around the world to BWL's Global Poetry Festival.

By using science, technology, engineering, the arts and mathematics, it is the hope that students grow into young adults who inquire, empathize, create, and above all work with integrity, civility, and loyalty.

Projects in progress:

- Expose students to global perspectives in the interdisciplinary arts through BWL's Global Poetry Consortium and Global Poetry Festival.
 - Expand the Maker Space with a Lego wall and lesson plans, providing time for all teachers to take advantage of the space
 - Develop humanities/science crossovers in each of the Middle School and Upper School grades so students can expand their communication and critical thinking skills as well as develop empathy
 - Showcase projects every year (as opposed to bi-annually)
in a focused 6th-grade Design Fair
 - Look into hosting a TEDx Youth event at BWL with a theme aligned with our Centennial
 - Offer expansive training to students and faculty on 3D printing
 - Hold a "CS Showcase" to highlight students' computer science projects
 - Organize STEAM field trips for each grade
 - Showcase exhibits in the Maker Space
- (*Please visit our website www.bwl.org and click "Academics" and then click "STEAM Initiative" for more detailed and current information.)