

THE ACADEMY ADVOCATE

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Academies in Action



A JHS student avoids barricades during a forklift training session



NWHS students discuss necessary modifications to their rocket's design



A business professional conducts an interview with a CHS freshman



JHS Lab Olympians fiercely compete during the *Speed Glove* event

Jeffersonville High School Highlights



Health Services Academy students in the Biomed Pathway capped the year off with some fun and competed in the first ever JHS PLTW Lab Olympics. The six lab events mashed up athletics with a scientific spin—such as *Speed Glove* or *Pipette Tip Basketball*.

Construction Trades Pathway students welcomed the donation of a new forklift to their program and began safety training for it. Not only will this equipment be useful to moving materials in their lab, but students will also work towards earning their Forklift Operator Certification before graduating.

15 students in the Welding Technology Pathway earned the Entry Level Welder Certification from the American Welding Society. This nationally recognized credential requires passing numerous written examinations and practical assessments, and will immediately lead to high-wage employment opportunities for these students.

Freshman Academy students in Ms. Beckman's Biology class went on a field trip to her farm, where several learning stations allowed students to experience some of the concepts from her course this year. Students saw "pollination powerhouses" up close in their beekeeping suits, as well as the invasive plants that they were tasked with identifying and removing.

New Washington High School Highlights



Engineering Academy students, as part of an in-house field trip, completed one of their final project-based learning activities by designing, building, testing, and redesigning rockets. The students utilized plastic 2 liter bottles, cardboard, paper towel tubes, and tape build their rockets—which would ultimately be launched by combining water and compressed air. Students not only engaged in the engineering design process, but also applied trigonometry when they calculated their rocket's total altitude based off of the launch angle and distance from the launch pad. Check out this [video](#) from one of the first launches of the day.

To conclude the year in Economics, seniors developed business ideas and created pitches for their very own version of *Shark Tank*. Over a dozen sharks—comprised primarily of financial professionals from the local community—listened to the investment opportunities and negotiated terms of capital & equity.

Students in all academies—including Freshman Academy—presented a project-based learning showcase for the academy-related novels they read during the year. Prior to the showcase, students had to conduct research and connect the novel to their academy and develop a project to present. These presentations were delivered to a rotation of professionals with backgrounds in the career fields that were connected to their project.

Not to be outdone by their senior counterparts in Economics, students in Freshman Academy began learning about advertising techniques as they related to being an effective communicator and presenter. Students applied ethos, logos, and pathos to create a potato chip advertisement that would appeal to everyone while still making a profit for the company.

Charlestown High School Highlights



As a culmination of their Freshman Seminar class, all students in the Freshman Academy participated in mock interviews with business professionals organized by Junior Achievement. Students proudly presented their resumes that they created throughout the year, as well as answered questions about their background and career goals.

Seniors wrapped up their school year by hosting a charitable kickball game against the school staffers. As a result, the CHS Student Council was able to present a check for \$583 to the Charlestown Fire Department to support the WHAS Crusade for Children.

Radio & TV Broadcasting senior Sophia Watson was recognized by her teacher as the "most talented student the program has seen in seven years when it comes to video editing and production." Her teacher further shared that all of her classmates would agree and that many have sought her support throughout their time in the program. This touching tribute [video](#) is a collection of all of Sophia's work while in the program and demonstrates what she has accomplished through the years.