

THE HEALTH SCIENCES ACADEMY AT DARBY MIDDLE SCHOOL



GOALS & PROGRESS

- Year 1 (2020): 17 students, 1 teacher, temp modular bldg
- Year 2 (2021): 34 students, 2 teachers, 2 classrooms
- Year 3 (2022): 70 students, 3 teachers, 3 classrooms
- Year 4 (2023): 131 students, 6 teachers, 6 classrooms, 2 hospitals
- Year 5 & 6 (2024-2026): 150 students, 6 teachers, 6 classrooms, 2 hospitals
- Year 6 (2026-27) Projected: 156 students, 6 teachers, 6 classrooms, 2 hospitals

**Wait List



ON THE MOVE...



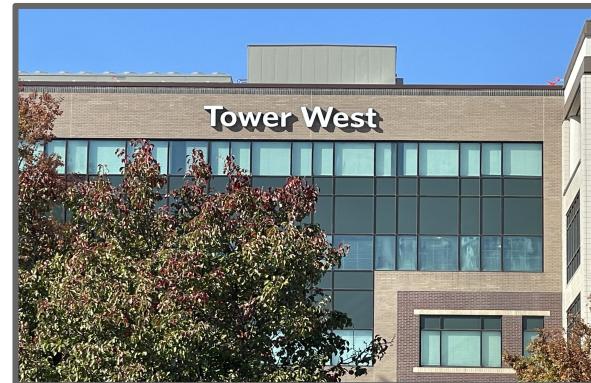
6th Grade: Location
Darby
(All Day)

PLTW Classes
Medical Detectives
Science of Technology



7th Grade: Location
Baptist Hospital
(8:00-12:00)

PLTW Classes
The Magic of Electrons
Energy and the Environment



8th Grade: Location
Mercy Hospital
(8:05-12:05)

Health Professions Course
Health Occupations
Foundations of Health Care (TBD)

HEALTH SCIENCES ACADEMY AT DARBY MIDDLE SCHOOL

- Innovative academic learning through a healthcare lens
- Project-based and hands-on learning
- Implement projects to impact the positive health of our community
- Become college and career ready at an early age
- Real-world experiences in science and healthcare
- Preparing students for rigorous learning experiences in secondary and post-secondary education



TYPICAL HSA STUDENT CHARACTERISTICS

- Interested in healthcare occupations or any type of STEM related fields
- Self-motivated
- Creative thinkers
- Hungry to learn
- Growth mindset
- Maintain good behavior standing
- Maintain 95% attendance
- Must show proficiency on state assessments or equivalent in math, literacy, science
- Interview
- Recommendation from current principal



ADDING THE “FLAVOR” TO OUR CURRICULUM

- Resources
 - Health Science Curriculum Enhancements
 - Health Occupations Students of America
 - National Health Science Standards
 - PLTW Courses

- End of Course Certificate
 - Foundations of Health
 - Essentials of Health Care
 - Human Structure, Function, and Disease



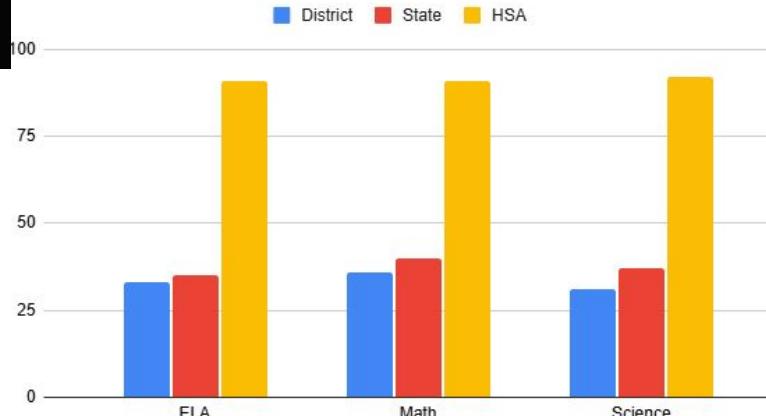
HEALTH PROFESSIONS “EXTRAS”

Calendar of Events

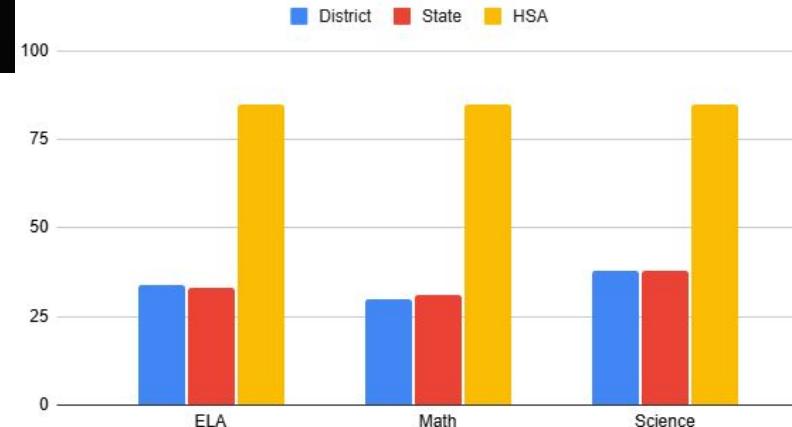
- **September:** Hospital Tour and Discussion
 - Choosing your medical Career
 - Hospital Tour
- **October:** Breast Cancer Awareness
 - Tour of Radiology and Cancer Care locations
 - Genetic dispositions and testing
- **November:** Lung Cancer Awareness
 - Tour of Respiratory Therapy
 - Lung Health and Life Choices
- **December:** Rehabilitation and Persons w/Disabilities Awareness
 - Tour of Rehab and Physical Therapy Gym
 - Daily living with disabilities
- **January:** Critical Care Awareness
 - Hemodynamic monitoring
 - EKG Rhythms
- **February:** Heart Failure Awareness
 - Tour of Cath Lab, Stress Test, and Intervention
 - Anatomy and function of the heart
- **March:** Medical Services Awareness
 - Tour of Phlebotomy Lab
 - Phlebotomy draws and testing
- **April:** Maternal/Child Awareness
 - Tour of Labor and Delivery, Postpartum, and NICU
 - Pregnancy and delivery process and recovery
- **May:** Trauma Care and Emergency Awareness
 - Tour Emergency Department & trauma bay
 - Trauma response and certifications

HSA STUDENT COMPARED TO STATE AND DISTRICT AVERAGE

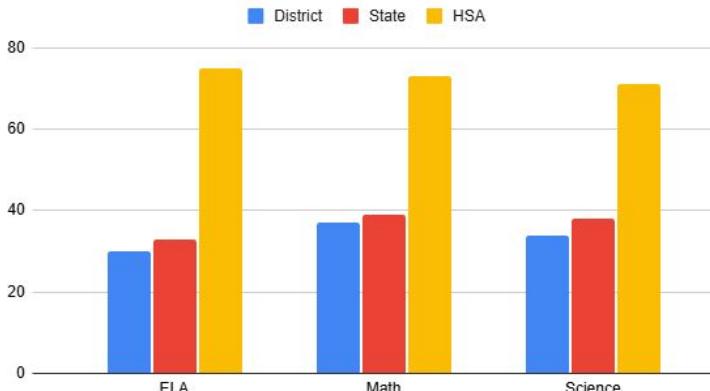
Spring 2025 6th Grade Summative Test Scores



Spring 2025 8th Grade Summative Test Scores



Spring 2025 7th Grade Summative Test Scores



Student explore kinetic energy by building a ferris wheel.



PARTNERS IN EDUCATION

Medical Mentors

- Arkansas College of Health Education
- Arkansas College of Osteopathic Medicine
- Mercy Hospital
- Baptist Hospital



EVIDENCE OF STUDENT ACTIVITY

CPR, Stop the Bleed, First Aid



EVIDENCE OF STUDENT ACTIVITY

Field Trips & Guest Speakers



Students visit Brooken Hills
Rehab and health facility.



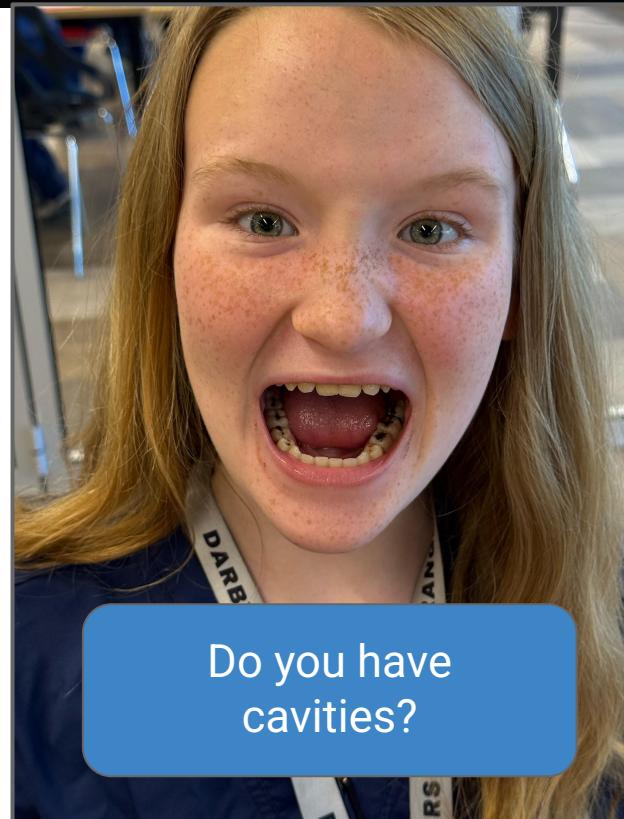
Hunter Blevins from UAMS
spoke about health careers
and pathways to each career.



EVIDENCE OF STUDENT ACTIVITY

Health Occupations Students of America

Students receive training from ACHE about healthcare so they can teach elementary students.



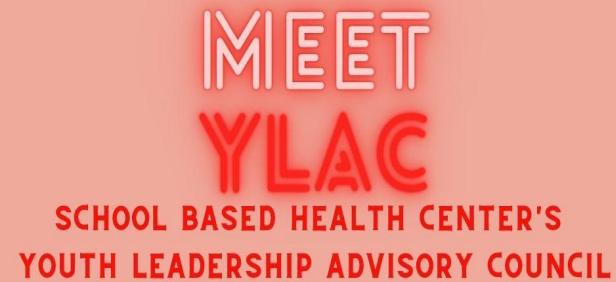
EVIDENCE OF STUDENT ACTIVITY

Community Service Projects

Students inform the community about the importance of giving blood at the Celebration for Community Connections event.



YLAC- YOUTH LEADERSHIP ADVISORY COUNCIL



MISSION STATEMENT:

YLAC IS A DIVERSE, STUDENT-LED GROUP THAT STANDS TO UPHOLD LEADERSHIP, PROMOTE CHANGE, AND RAISE AWARENESS ABOUT COMMUNITY HEALTH ISSUES.



SELECTION TIMELINE

- Application Cycle
 - HSA Open House, October 21st (5:30-6:30 PM)
 - Application window: October 21st -December 5th
 - Interviews, December 11th-12th, 15th
 - Students notified, December 19th
 - 'White Coat' Ceremony, April 23rd (t)



THANK YOU FOR VISITING!

Health Sciences Academy Oath

I solemnly pledge, as a member of the Health Sciences Academy, to strive for excellence in all areas. I will pursue and apply new knowledge to my own development and the development of others. I will do all in my power to elevate and maintain the standard of the HSA and commit myself to the betterment of others.

