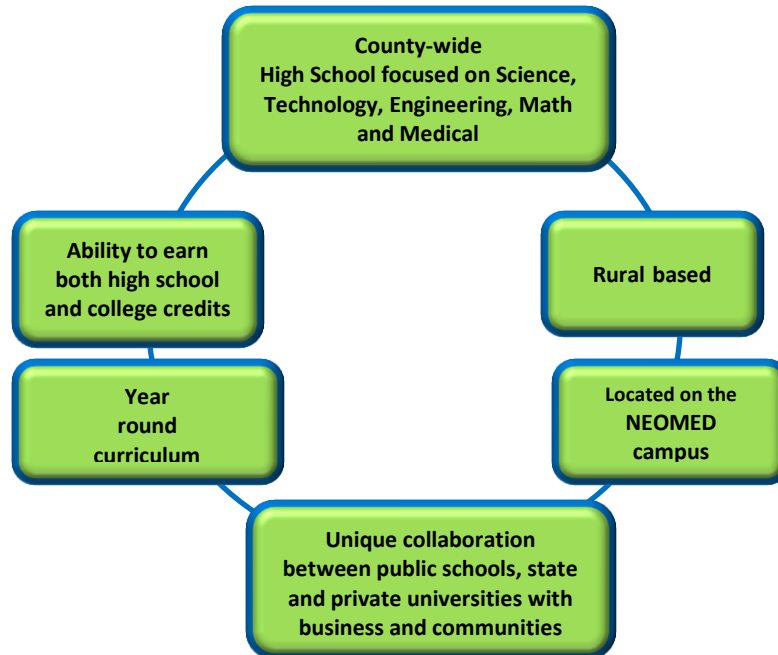


Vision:

The Bio-Med Science Academy will create an **innovative** and **progressive** learning environment that **cultivates academic excellence** and rigor in science, technology, engineering, mathematics and medicine (STEM+M) disciplines while **nurturing creativity, inventiveness and community** in its students. The Academy will seek to provide opportunities to high school students from rural communities and will become an integral part of the Northeast Ohio Medical University campus.



Philosophy:

Bio-Med Science Academy incorporates the design principles established of the Ohio Stem Learning Network (OSLN <http://www.osln.org>) and the common principles of Coalition of Essential Schools (CES <http://www.essentialschools.org>) into the guiding principles of the academy. The guiding principles are:

1. Our Intellectual purpose is learning to use one's mind well.
2. Curricular design will be shaped by the intellectual and imaginative powers and competencies that the students need, rather than by "subjects" as conventionally defined.
3. Learning goals apply to all students, while the means to these goals will vary as those students themselves vary.
4. Teaching and learning will be personalized to the maximum feasible extent.
5. The governing practical metaphor of the school should be student-as-worker, teacher-as-coach.
6. Teaching and learning should be documented and assessed with tools based on student performance and mastery of real tasks.
7. The tone of the school will be on decency and trust.
8. The principal and teachers will perceive themselves as generalists first and specialists second.
9. Resources will be dedicated to teaching, learning and sustainable innovations.
10. The school will model democratic, fair and equitable practices while building on the strengths of its communities and partners.
11. Make STEM +M literacy attainable and desirable for all.
12. Engage in partnerships to accelerate capacity and broaden opportunity.

Goals:

- Create a collaborative culture between our staff, students, parents and partners
- Deliver problem based/cross-curricular instruction with current and “real world” connections, while focused on STEM+M disciplines
- 100% graduation
- 100% of Bio-Med students will attend a post-secondary option after graduation, with a high percentage of students entering STEM+M majors and careers
- ACT scores above our state's average score (2010 – 21.8)

Student Attributes:

- Engaged Learner
- Innovative
- Problem solver
- Collaborative
- Personal Agency
- Sense of Community

Quick Facts:

- Year round school
- Dress Code
 - Students will need one school polo – \$15est.
 - Polo shirt with collar – no writing – blue, green, white, grey, yellow (any shade)
 - Casual pants - Blue, Black, or Brown (any shade)
 - On Internship days students may need to dress business casual
- Academic Calendar
 - Trimesters
 - Accelerated Term
- School hours
 - 8:30-3:15 regular hours
 - 3:15-4:00 tutor/remediation hour
- Dual credit program after Freshman year
- Technology program
 - 1 to 1 – student owned
 - Blended learning experience
- Enrichment
 - Community Volunteering Program
 - Experiential Field trips
 - Meetings and luncheons with professionals in STEM fields
 - Internship experiences
 - State/National conference presentations
 - Possible options for academic competitions
- Extra Curricular Activities
 - Clubs are currently being developed at the Academy.
 - Sports – At this time we are working with both state legislation and the OHSAA to resolve this issue. Please check our website and Facebook page for any updates.

