

Parent Night

Union County High

STEM



science · technology · engineering · math

March 22, 2016

Our Vision:

Integrating sySTEMic
collaboration, equipping
innovative leaders.

Laying the Foundation in 8th Grade

Algebra I

Physical Science

Optional:

Lit/Comp I

World History

Summer opportunities:

Freshman Leadership

(Introduction to Business/Soft Skills)

Health/PE

Course of Study

4 Year Program on a 4x4 Block Schedule:

9th and 10th: Core classes

11th and 12th: Dual enrollment/AP and STEM
internships

Capstone Senior Year

Integrated Disciplines: 9th Grade

9th Grade Course of Study

Physics and Engineering

Foundations of Engineering

Engineering Concepts

Honors Physics

English and Chemistry

Honors World Literature and Composition

Honors Chemistry I

Scientific Research 1

- Honors Geometry

- Electives

Integrated Disciplines: 10th Grade

10th Grade Course of Study

Biology and Health Care

Honors Biology

Essentials of Health Care

Human Anatomy

AP US History and American Lit

AP US History

Honors American Literature

Civics credit

Advanced Algebra

Junior/Senior Year

STEM Research III/ Internship

STEM Research IV/Internship

At least two AP science credits (Biology, Chemistry, Environmental Science, Physics) or dual enrollment of two courses

Math: minimum of one unit of AP Calculus, AP Statistics or dual enrollment

At least one AP English credit and/or dual enrollment

Completion of at least one pathway

STEM Scientific Research/Internships

11th Grade: Scientific Research III (year long): Will be required to meet twice a week in class with STEM teacher/mentor during specified time. Remainder of the time will be spent with the business partner. Required portfolio and work hours documentation.

12th Grade: Scientific Research IV (year long): Will be required to meet at least once per week with STEM teacher/mentor, but on an “as needed” basis for assistance. Continued work with business partner; Senior Capstone will be the culminating project, along with required documentation.

Capstone Project--Senior Year

Portfolio

Extended independent research project and speech before judges

Hours documented (through junior/senior year)

Rolling presentation schedule

(students will present by April 19, 2019)

Fundraisers - Mark your Calendars

Sign up before you leave

April 25, 2016 Chick-Fil-A 5:00 P.M. to 8:00 P.M.

May 26, 2016 car wash at high school & elementary school 10:00 A.M. to 1:00 P.M.

Money will be used for field trips for upcoming school year.

Disney Trip

Tentatively set for Feb. 15-20

All STEM students will be able to attend.

Approximate cost \$700

Will take charter bus

Sign up if interested on sheet in foyer

Questions? Contact Us!

Alecia Frizzell (Chemistry/
Physics)

afrizzell@ucschools.org

Dixie Conger (Biology)

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Clint Johnson (Engineering)

cjohnson@ucschools.org

Melissa Bridges (English)

mebridges@ucschools.org

Sandra Cook (Healthcare)

scook@ucschools.org

Jeff McCammon (Math)

jmccammon@ucschools.org

STEM Booster Club

President: Haley Dyer

Vice-President: Amy
Rogers

Treasurer: Tammy Haight

Secretary: Amy Patterson

Purpose

Membership

Upcoming meetings

Closing Remarks

- Pick up Honor Code before you leave - Please return signed by Friday, March 25, 2016 to front office at Union County High School
- Sign up for time to volunteer at fundraiser
- Honor Code
- Pick up Summer Assignments