The STEM TEAM

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STEM Coordinator, Chemistry, Research I

Wendy Percifield—Language Arts I

Christy Thomas—Language Arts II

TBA - Language Arts III

DaNel Huggins: Research II, Physics, CC Physics

Angela Hemingway: Adv. Biology, AP/CC Biology

Teresa Isom—Algebra II, CC Statistics

Michelle Sanders—PreCalculus, CC Statistics

Gale Patton—Work Based Learning Coordinator

Kathy Purin—STEM Counselor

Karla Reynolds: KHS Principal

Contact us at: 955-0200

STEM

Designed for students who are interested in pursuing careers in the areas of:

- **Sciences: Physics, Chemistry Biology etc.**
- **Engineering**
- **Mathematics**
- **Medicine**
- **Environmental Studies**
- **Technology such as Programming and Computer Applications**

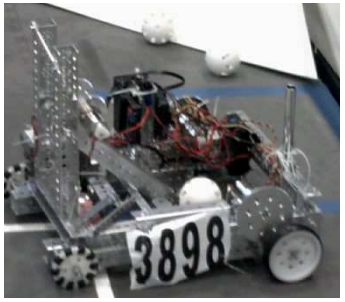

Image from FTC Robotics Challenge

Kuna High School

Science Technology Engineering Mathematics

Academy

More information at: http://www.kunaschools.org/schools/khs/departments/stem/index.php

KHS STEM Academy Goals

1) Integrate curriculum between Mathematics, Science and Language Arts where appropriate.
2) Connect statistical analysis, computer programming, and technical reading and writing through project based learning activities.
3) Increase emphasis on career exploration of science, technology, engineering and mathematics etc through job shadows and internships.
4) Increased emphasis in problem solving and research through student designed projects in robotics, environmental studies etc.
5) Create connections between university professors, doctors and industry professionals who will work closely with students on individual projects.
6) Participate in nationally recognized academic and engineering competitions.
7) Create an environment of intellectual and technical exchange with local business and industry mentors to promote awareness and interest in careers in STEM fields.

Year	Math Full yr	Science Full yr	STEM Research Full yr	STEM Lang Arts**	Other KHS Courses
1	STEM Geometry or Algebra II	STEM- Adv Biology or Chemistry	STEM Research 1: Engineering & Environmental (meets 1 KSD Technology credit)	STEM LA 1 or 2** (Honors or Regular)	4
2	Algebra II or CC Pre-Calculus	Chemistry or other Science Class	STEM Research 2 Research w/ CC Statistics*	STEM LA 2** or 3** (Honors or Regular)	4
3	CC Pre-Calculus or CC Calculus	(AP or CC*) Career Track- Science Elective	STEM 3 Independent Research /CC Statistics*	STEM LA 3** or 4** (Honors or Regular)	4
4	CC Calculus MATH Elective	(AP or CC*) Career Track- Science Elective	Work Based Learning/ Internship and Independent Research	STEM LA 4** (Honors or Regular)	4

* AP– Advanced Placement course (CC)- Concurrent Credit through NNU or BSU

** STEM students will be grouped in LA classes together depending on numbers, allowing students to choose between Honors LA or Regular LA.

The STEM Community: Students in the STEM Academy become a part of a learning community by taking four of their eight classes together so that extensive projects can be accomplished through curriculum integration between Math, Science, Research and Language Arts. STEM students also participate in multiple other high school programs such as music, FFA, theater, art, athletics, school clubs and other activities.

The STEM Philosophy: Students in the STEM academy are challenged with inquiry based problems that require effective communication, problem-solving techniques and design applications. Problems are researched and solved through numerous and diverse technological applications including: the use of computers, simulation software, GPS, digital imaging and data acquisition, sensors and other peripheral devices. In order to further interpret data and draw conclusions, computer based analysis and programming along with statistical analyses are emphasized.

The STEM Research Component: The main components of the research strand will be research design, statistical analysis, computer programming and communication of research findings. Each year of progression by students will allow them to become more and more independent in the research process until they are able to compete in some of the highest level national science, engineering and mathematics competitions such as the Intel Talent Search. Expert speakers from local universities and businesses will be invited to speak and to assist students in their research projects.

Interested students should pick up interest form/application from Mrs. Purin at KHS or Ms. Rutan at KMS