



STEM WHITEWATER



STEM Mission

The mission of the Whitewater High School STEM Program is to provide an engaging and challenging learning environment in Science, Technology, Engineering, and Mathematics.

STEM encourages students to use critical thinking skills and collaboration to explore the challenges of their world.

STEM provides opportunities to be engaged in a learning process that exposes students to a wide variety of skills and scientific concepts.

STEM requires students to learn by doing.



COLLABORATE and CREATE




Whitewater High School
STEM Program

est. 2017

The Benefits of STEM:



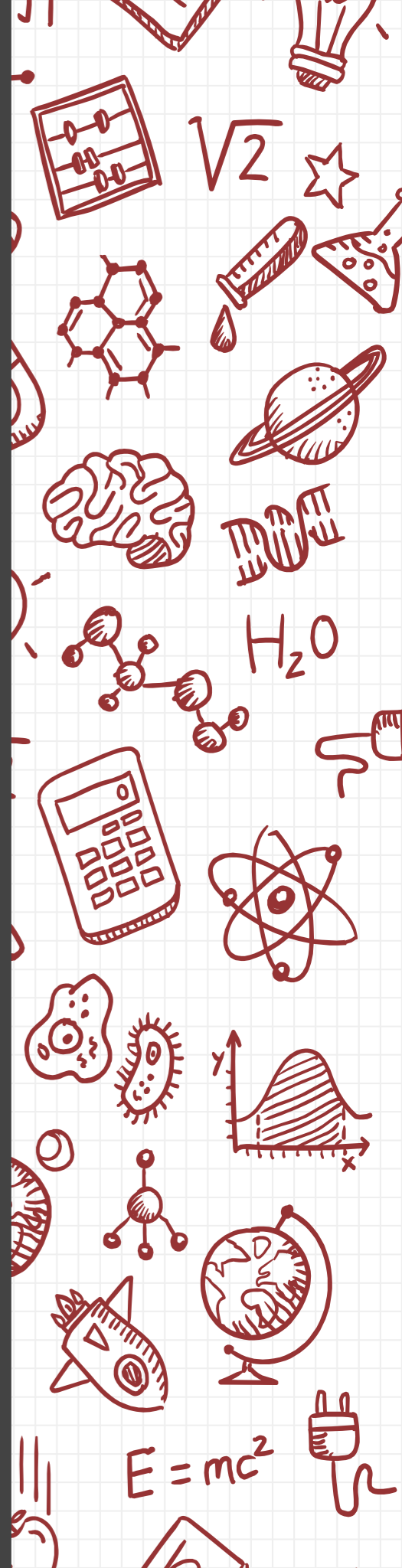
Improving communication and leadership skills through research presentations and collaboration



Building of a research portfolio and research expertise that will benefit students beyond the classroom



Engaging in a learning process that is creative and that exposes students to critical thinking and accelerated learning





Recognized by the College Board:

- AP STEM School
- AP STEM Achievement School

STEM Students:

- Science Olympiad - 1st Place Overall
- Science Fair Regional & State Finalists
- GHP Finalists
- HOSA State Finalists
- VEX Robotics Semifinalists

Awards & Accolades

Students can earn: STEM Seal & AP Capstone Seal on their diploma



How is **STEM** different?

STEM students will take a **SCIENTIFIC RESEARCH** course that allows students to discover the underlying scientific principles through a hands-on, experiential, learning model.

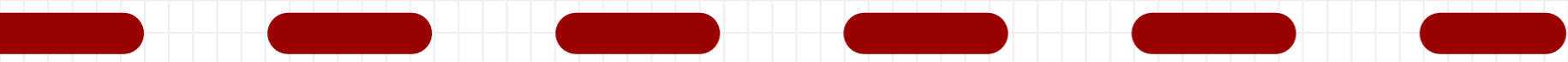
Students are encouraged to explore their passion and interest in science.

3 PATHWAYS for STEM Students

HEALTHCARE

ENGINEERING

COMPUTER
SCIENCE



9TH GRADE COURSES

- ⚙️ **STEM Biology**
 - ⚙️ **Scientific Research I**
 - ⚙️ **Accelerated Math**
(Alg I/Geom A **OR** Geo B/Alg II)
 - ⚙️ **Pathway Elective**
-
- ⚙️ **English**
 - ⚙️ **PE/Health**
 - ⚙️ **Elective**

COURSE	9th GRADE	10th GRADE	11th GRADE	12th GRADE
SCIENCE	STEM Biology	STEM Chemistry	AP Physics	AP Chemistry, AP Biology, or AP Env. Sci.
STEM	Scientific Research I	Scientific Research II	AP Seminar STEM	AP Research STEM
MATH	Accel. Alg. I/Geo OR Accel. Geo./Alg. II	Accel. Geo./Alg. II OR AP Statistics	Accelerated Pre-Calculus	AP Calculus
ENGLISH	9th CP or Gifted	10th CP or Gifted	AP Language	English
HISTORY	Elective	World History (AP)	US History (AP)	Econ & Gov
PATHWAY	1: Healthcare, Engineering, OR Comp. Science	2: Healthcare, Engineering, OR Comp. Science	3: Healthcare, Engineering, OR Comp. Science	Internship
ELECTIVE	Health/PE	World Lang or Fine Arts	World Lang or Fine Arts, or AP Course	World Lang or Fine Arts, or AP Course

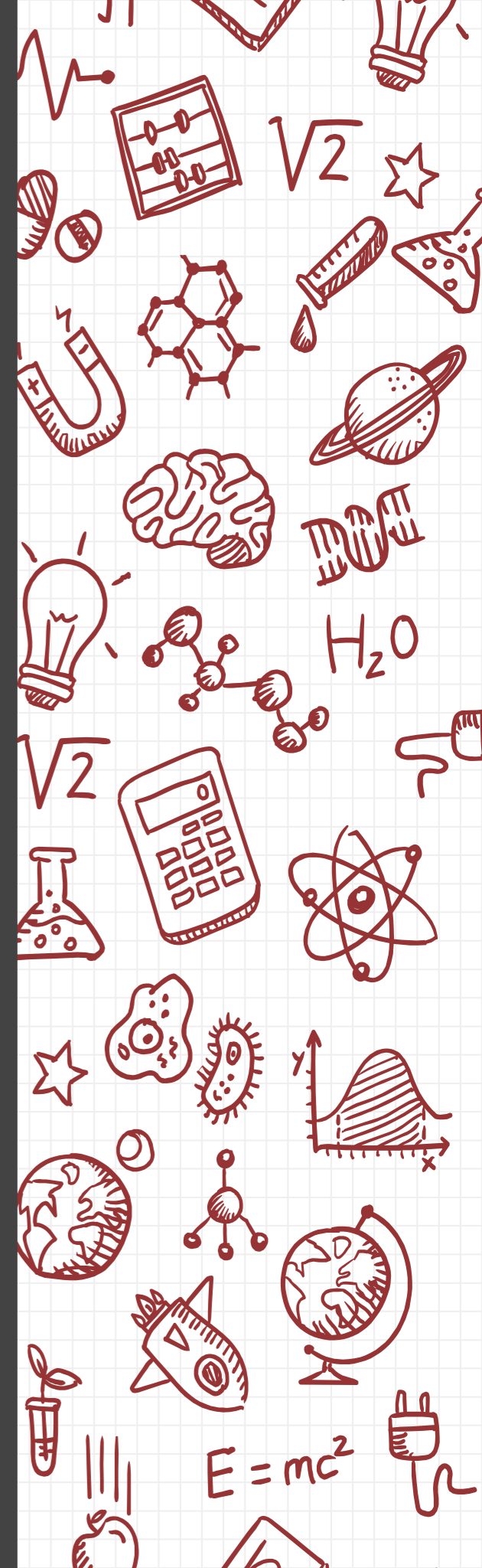
How do I apply to the STEM Program

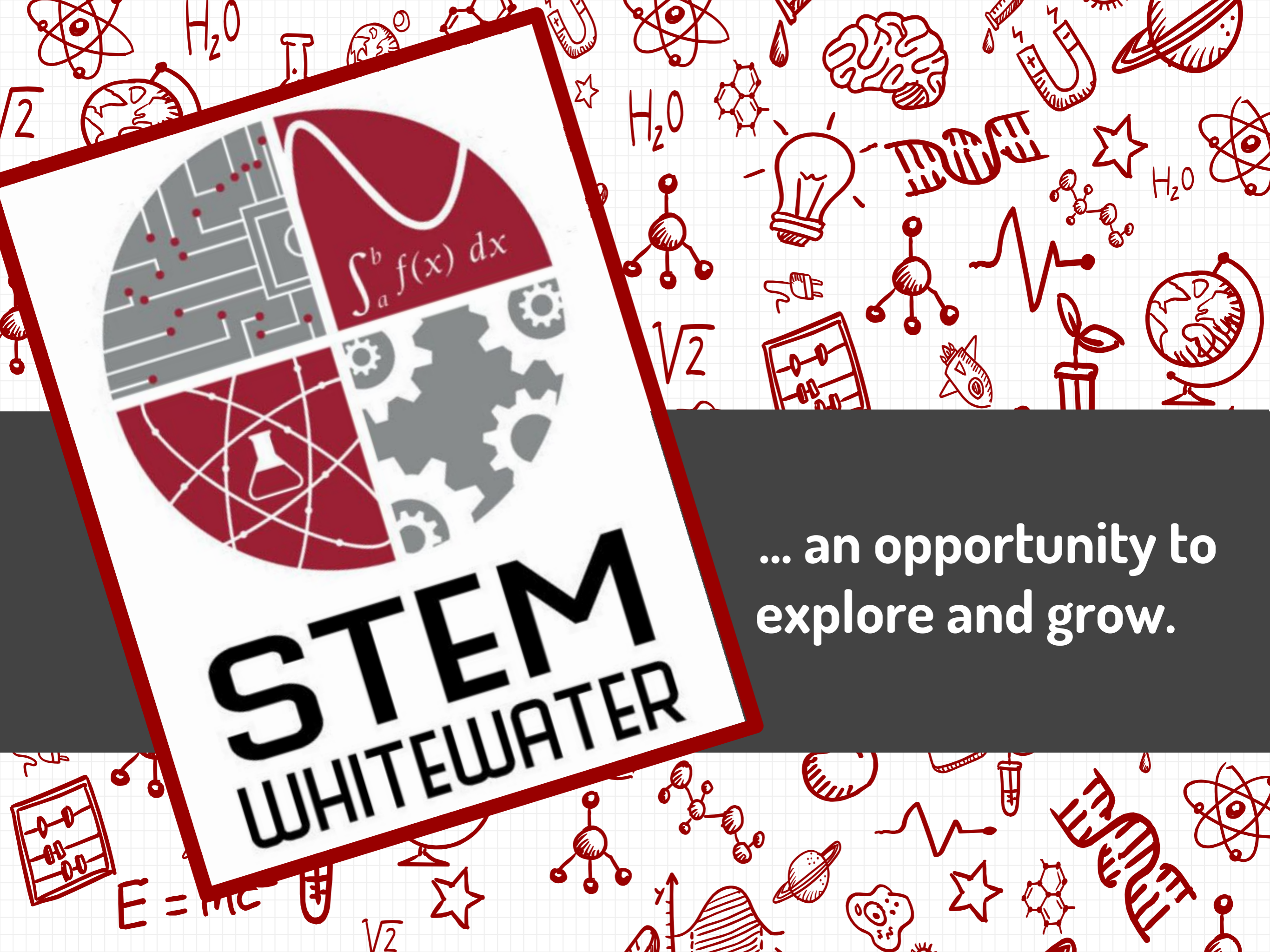
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To apply for Cohort 3 of the
Whitewater STEM Program:

**1. Complete the online
application, WHS
website**

We will take care of your
teacher recommendations.





STEM WHITewater

... an opportunity to
explore and grow.