**Huron Science Olympiad 2016-17**

Hi, and thank you for your interest in Huron Science Olympiad! As the best Science Olympiad team in Ann Arbor and the largest science-oriented club at Huron, we boast many of Huron’s (and Ann Arbor’s) best and brightest scientific minds. We hope that you will join our family and discover your passion for science!

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| **2016-2017 Board**  Captains: Jessica Chen and Shalini Roy  Secretary: Yug Chauhan  Treasurer: Shangbo Liao | **Contact Information**  Email: [huronscienceolympiad@gmail.com](mailto:huronscienceolympiad@gmail.com)  Website:[huronscioly.weebly.com/](http://huronscioly.weebly.com/) |

**Logistics**

* Introduction to Science Olympiad
* Preseason (until Nov)
* Competition season (Dec - Apr)

**To Do**

* Dues are **$5**, and are due at the next meeting **Sept 29th**.
* First major fundraiser: **Chipotle, Nov. 5th**
* Bonding Event: **Sept. 24th**
* Registration for events will be send out as Google Form through email tonight
  + Deadline to sign up for events will be **Sunday**

**2016-2017 Event Leaders**

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| **Anisha Laddha**  Forensics  anisha.laddha@gmail.com  **Arthur Su**  Game On  arthurxsu@gmail.com  **Austin Choi**  Ecology,  choiaustin1999@gmail.com  **Bhuvna Murthy**  Remote Sensing  bhuawesome01@gmail.com | **Christopher Jing**  Helicopters  christophercjing@gmail.com  **Grace Li**  Experimental Design, Towers  greengrace1008@gmail.com  **Jessica Chen**  Material Science, Write it Do it  ar13miss@gmail.com  **John Lee**  Disease Detectives, Hydrogeology  jsleejslee123@gmail.com | **Miela Foster**  Microbe Mission,  mmfoster2017@gmail.com  **Richard Zhao**  Chem Lab, Optics  senseisup@gmail.com  **Shalini Roy**  Anatomy, Wind Power  shalini.roy731@gmail.com  **Shangbo Liao**  Astronomy, Electric Vehicle  shangbol24@gmail.com | **SoJung Ham**  Invasive Species  sjham16@gmail.com  **Sujai Jaipalli** Rocks and Minerals sujaijaipalli@gmail.com  **William Wang**  Dynamic Planet  williewang24@gmail.com  **Yug Chauhan**  Hovercraft, Robot Arm  yugchauhan2000@gmail.com |

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| **2016-17 Event Descriptions**  **Anatomy & Physiology** - This event encompasses the anatomy and physiology of the nervous system, endocrine system, and sense organs.  **Astronomy** - Teams will demonstrate an understanding of the basic concepts of math and physics relating to stars.  **Chem Lab** - Teams will demonstrate chemistry laboratory skills related to gas laws and thermodynamics.  **Disease Detectives** - This event requires students to apply principles of epidemiology to a published report of a real-life health situation or problem.  **Dynamic Planet** - Teams will work at stations that display a variety of earth science materials and related earth science questions. (Theme: Glaciers)  **Ecology** - Demonstrate your knowledge on how living things interact with their non-living environment, including the study of the various ecosystems and biomes.  **Electric Vehicle**- Build and test a vehicle that can travel a given distance in the shortest amount of time while staying in a straight line.  **Experimental Design** - Given a set of unknown objects, teams will design, conduct, analyze and write-up an experiment.  **Forensics** - Students will identify polymers, solids, fibers, and other materials in a crime scenario.  **Game On** - Create a game with Scratch, a program that allows anyone to experiment and play with the basics of programming.  **Helicopters** - Compete to build a balsa wood helicopter powered by a rubber band motor that has the longest flight time possible.  **Hovercraft** - Build an autonomous hovercraft that will travel over a course. | **Hydrogeology** - Study how Earth's hydrosphere interacts with its geosphere. It deals with the processes involved in groundwater, including its distribution and movement.  **Invasive Species** - Learn about invasive species and their impact based on a tournament-specific species list.  **Materials Science** - Teams will answer a series of questions or complete tasks involving the scientific processes of chemistry focused in the areas of materials science.  **Microbe Mission** - Answer questions, solve problems, and analyze data pertaining to microbes and microscopes.  **Optics** - This event deals with geometric and physical optics, such as reflection, refraction, critical angle, electromagnetic and visible spectrum, lenses, and mirrors.  **Remote Sensing** - Teams use remote sensing imagery, science and math process skills to complete tasks related to an understanding of Earth's Hydrosphere.  **Robot Arm** - Prior to the competition, teams must design, build, document, and test one robotic device to move scored items.  **Rocks and Minerals** - Teams will demonstrate their knowledge of rocks and minerals.  **Towers** - Given certain parameters of length, width, height, and material, each team is to design, build, and test the lightest and tallest tower to carry a maximum standard load.  **Wind Power** - Construct a device that can turn wind into energy, and learn more about the field of alternative energy.  **Write It/Do It** - A technical writing exercise where a student writes a description of a contraption, and their partner will attempt to recreate it using only the written description.  **Want more information on certain events? Check out the event rules on our website for more details.** |