

# HALE CHARTER ACADEMY

## ELECTIVES 2019-2020

\* Approval Required, see Teacher for details

### YEAR-LONG ELECTIVES

#### -ART-

**Art & Photography (VAPA 7<sup>th</sup>):** Introduces the basic art elements and principles as they are applied within various art projects. Students learn a variety of art skills using different art materials for self-expression.

**\*Advanced Art:** Advanced class that is primarily hands-on drawing, painting, pastels, etc. Class includes art history, discussing and viewing art from master artists. Students will be encouraged to use their creativity and own ideas while creating their art. This class may work on special projects for the school. Class requires approval from Mr. Sonderling in E125. Original drawings portfolio reviews 4/2 – 4/5 at lunch.

#### -HORTICULTURE-

**\*Animal Science:** Students will learn about animal husbandry and support the care of the animals on campus, currently rabbits and chickens. Class requires approval from Mr. Rios in H150

**\*Landscaping:** Students work on planting trees, shrubs and flowers. Sprinkler system repair and installation and fence work are also class activities. 80% is hands-on outside work. It is strongly recommended that you have completed one semester of horticulture before taking this class. Class requires approval from Mr. Rios in H150.

#### -MUSIC-

**\*Advanced & Intermediate Band:** A full year class for advanced students who have been playing a wind instrument for at least a year. Various types of music will be learned and performed during the school year. Class requires approval from Mr. Cruz in M170. Auditions are 4/5, 4/8 & 4/10 after school

**\*Advanced Orchestra:** A full year class, for students playing a string instrument for at least a year. Standard orchestral literature, and other types of music, will be performed during the year. Class requires approval from Mr. Cruz in M170.

**Beginning Strings:** A full year class to learn the violin, viola, cello, or string bass. No prior knowledge of music needed.

**Beginning Winds:** A full year class for students to learn to play a standard wind instrument, such as the flute, clarinet, saxophone, trumpet, trombone, French horn or tuba. A limited number of percussion students will be accepted.

#### -PERFORMING ARTS-

**\*Advanced & Intermediate Choir:** These 2 classes are full year classes and are for experienced singers who love to sing classical and popular songs. These groups perform several times throughout the year. Audition required. Class requires approval from Mrs. Karagianis in M174. Auditions are 3/25, 3/27, 3/29 after school.

**\*Cheer:** A full year class to learn and perform drill dance, tumbling, and cheerleading stunts. Students will attend several competitions and parades. Try-outs are required. Class requires approval from Mrs. Coleman in Girls' PE. Auditions are 4/2, 4/3, 4/4 at lunch and 4/9 after school.

**\*Advanced & Intermediate Dance:** A full year class to develop self-confidence, body awareness, rhythm, coordination and physical fitness. Students learn a variety of dance styles and techniques. Audition required. Class requires approval from Mrs. Ball in C206. Auditions are 3/25 – 3/29 at lunch and 3/27 after school for incoming students.

**Advanced Drama A/B:** An intermediate class covering theatre fundamentals that requires daily participation in pantomime, character study, projection and public speaking. Students taking Advanced Drama must have already taken Into to Drama as a prerequisite.

**\*Play Production:** A full year advanced class emphasizing acting and all theatre production skills including school plays, video production, and field trips. Students write, direct, produce and act in an evening of original work. Lunchtime/after school rehearsals and one evening performance are required. Class requires approval from Mr. Amigo in B100. Auditions will be during Advanced Drama class.

### **-SCHOOL ACTIVITIES-**

**Journalism:** In this full year class, students create and manage The Hale Telescope, our online school newspaper at thehaletelescope.com. Students research any subject that interests them, then write, edit, and publish weekly articles on entertainment, sports, technology, national and world news, local news, Hale news, opinion and editorials, style, and fiction section. At the end of the year, after writing 36 articles, you won't believe how much of a better writer you are. It's the most fun you can have getting better at any academic subject!

**\*Leadership (Student Council):** A full year class for dedicated and responsible students who want to be involved with student government and planning school activities. Students must meet certain prerequisites to be eligible and fill out a Leadership Application. Class requires approval from Ms. Seligson in C204 / Mr. Singh in C203. Interviews are 4/2, 4/4, and 4/9 after school.

**\*Yearbook:** \*Yearbook: This full year class is responsible for the design and preparation of the school yearbook including: computer graphic design, artwork, layout, copy writing and photography. Students will interview peers and adults on campus while designing the story of the 2019-2020 school year. Applications are available online. Class requires approval from Mrs. Fulton in C106. Interviews are 4/2 and 4/3 at lunch.

### **-STEAM-**

**Computer Science Innovators & App Creators (CTE):** The Computer Science Innovators is unit will allow students to discover computer science concepts and skills by creating personally relevant, tangible, and shareable projects. Throughout the unit, students will learn about programming for the physical world by blending hardware design and software development. They will design and develop a physical computing device, interactive art installation, or wearable, and plan and develop code for microcontrollers that bring their physical designs to life. Physical computing projects will promote student awareness of interactive systems, including Internet of Things (IoT) devices, and broaden their understanding of abstract computer science concepts through meaningful and authentic applications.

The App Creators course will expose students to computer science as a means of computationally analyzing and developing solutions to authentic problems through "mobile app development", and will convey the positive impact of the application of computer science to other disciplines and to society.

**Design and Modeling (CTE):** Students discover the design process and develop an understanding of the influence of creativity and innovation in their lives. They are then challenged and empowered to use and apply what they've learned throughout the unit to design a therapeutic toy for a child who has cerebral palsy.

**Exploration of Biotechnology (CTE):** Students play the role of real-life medical detectives as they collect and analyze medical data to diagnose disease. They solve medical mysteries through hands-on projects and labs, measure and interpret vital signs, dissect a sheep brain, investigate disease outbreaks, and explore how a breakdown within the human body can lead to dysfunction.

**Robotics & Intro to Cyber Security (CTE):** This is a beginning course in robotics. The objective of this course is to introduce students to basic programming as well as problem solving. This course will involve students in the development, building and programming of VEX IQ robots. Teams will participate in school-level competitions and selected teams will be sent to district and national level competitions.

Intro to Cyber Security is designed to prepare students for advanced Networking and Cyber Security Courses in high school. Technical instruction includes an introduction to enterprise architecture, computer networks, workplace safety principles and

procedures, and access control. Emphasis is placed on networking architecture, wireless security, basic cryptography, hardware configuration, operating systems, data security, authentication, Access Control, malware, social engineering, network storage devices, communication protocols, network attack, and vulnerability assessment. Selected teams will be sent to the CyberPatriot competition (<https://www.uscyberpatriot.org/>)

### **-ADDITIONAL-**

**AVID:** This program includes a set of core academic classes and a REQUIRED elective class that prepares students for success in advanced high school classes and college. The REQUIRED elective class provides a foundation of support that includes study skills, organization skills, college research projects, college field trips, and college tutors to assist AVID students. The AVID belief is that ALL students should believe that they are college bound. Class requires approval from Mrs. McKenzie in the Counseling Office.

**Spanish 1:** Students will begin to develop their Spanish proficiency through extensive interaction with a variety of interactive activities, cultural notes, and cultural interviews. The activities help build competency in each of the four language skills—listening, speaking, reading, and writing.

## **SEMESTER-LONG ELECTIVES**

**Art:** Introduces the basic art elements and principles as they are applied within various art projects. Students learn a variety of art skills using different art materials for self-expression.

**Creative Expression:** The class provides students with an opportunity to develop their creative, design, and writing skills. A variety of topics and projects will be introduced to students.

**English Language Arts Support:** This class is designed to provide additional support for students having difficulty meeting grade level standards.

**Horticulture:** If you like growing plants and vegetables and working outside in the agriculture area, then horticulture is for you. You will learn how plants grow and produce and will share in the products. Learn basic pruning, plant identification, organizing and planting a vegetable garden. Propagation of plants and seed germination are explored.

**Intro to Dance:** Students learn a variety of dance styles and techniques

**Intro to Computers/Robotics** This class will allow students to discover basic computer science and robotics concepts and skills by creating personally relevant, tangible, and shareable projects. Throughout the unit, students will work on coding assignments (code.org, scratch...), will program dash-dot robots for specific tasks, and will get a chance to compete in robotics and engineering competitions (Wonder league, NASA OPSPARC...).

**Intro to Spanish:** Students will be introduced to Spanish through variety of activities to help build competency in each of the four language skills—listening, speaking, reading, and writing.

**Intro to Theater:** A beginning class covering theatre fundamentals that requires daily participation in pantomime, character study, projection and public speaking. Students learn improvisation techniques.

**Marine Science:** We will investigate the ocean, the largest biome on Earth. Since it has the greatest biodiversity on the planet, we will focus on studying the plants and animals which inhabit the ocean and how they have adapted to changing environmental conditions.

**Math Support:** This class is designed to provide additional support for students having difficulty meeting grade level standards.

**Photography:** Do you really like taking photographs with your phones but want to do more, know more and learn more? Learn great photographic techniques using real digital cameras, and study with a 40 year professional photographer.

You'll learn about composition, exposure, selective focus, and many other methods of creating beautiful and artistic images. We will even make photos from your phones even better! Your own camera is helpful but not necessary. Just a desire to become a photographic artist!

**Piano:** Keyboards are available for the total beginner at piano to learn to play several easy popular and classical songs as a group and perform together for parents at the end of the semester.

**\*Service:** Students provide service in school offices or classrooms. Mr. Salinger's approval is required. This class is NOT available to STEAM or VAPA students. Students must have Cs or higher and no Us.