

## Beehive Science & Technology Academy 2020-2021 After School Clubs and Tutoring

### Tuesdays through Thursdays 3:00-3:45

Some of these clubs may be extending until 5pm. Clubs may be **hybrid** or **in-person only**. Contact teachers for Zoom links.

All clubs and tutoring have a **maximum in-person limit**. Some clubs may be specific to middle school or high school. Check the descriptions.

	Room	Tuesday	Wednesday	Thursday
Mr. Bryant	A116	FLL Robotics, <b>full</b>	Engineering Tutoring, <b>hybrid, max in-person: 12</b>	Nerd Club, <b>hybrid, max in-person: 12</b> (possible online tournaments via Nintendo accounts)
Coach Colby	A112	Morning Tutoring, <b>7:15-8:05, in-person only</b>	Morning Tutoring, <b>7:15-8:05, in-person only</b> HOSA Club. <b>virtual</b> (contact Coach)	Morning Tutoring, <b>7:15-8:05, in-person only</b>
Mr. DeFronzo	B105	The Math Lab <b>hybrid, max in-person: 12</b>		
Mrs. Firmage	B121	Student Council, <b>hybrid, members only</b>	Tutoring: <b>hybrid, max in-person: 10</b>	Tutoring: <b>hybrid, max in-person: 10</b>
Mr. Firmage	B122		German Tutoring (by appt. only)	U.S. History Tutoring (by appt. only)
Ms. Garcia	B110	Language Arts Tutoring, <b>hybrid, max in-pers: 12</b>	Book Club (Graphic Novel), <b>hybrid, max in-p: 12</b>	Language Arts Tutoring, <b>hybrid, max in-pers: 12</b>
Mr. Gul	A122	Math Tutoring, <b>hybrid, max in-person: 10</b>		
Mrs. Harding	B102	Gaming Club, <b>hybrid, max in-person: 10</b>	Tutoring, <b>hybrid, max in-person: 10</b>	Tutoring, <b>hybrid, max in-person: 10</b>
Mr. Harlow	B122	Social Studies Tutoring, <b>hybrid, max in-pers: 10</b>	Tutoring, <b>hybrid, max in-person: 10</b>	AP Human Geography Tutoring, <b>hybrid, max: 10</b>
Mr. Lee	B123	Computer Science/ Digital Literacy Tutoring	Cyber Patriot, High School: <b>Hybrid, max:12</b>	Girls Who Code, All grades: <b>Hybrid, max: 12</b>
Ms. McInnis	B112	Language Arts Tutoring, <b>hybrid, max in-pers: 12</b>	Library Club, <b>hybrid, max in-pers: 12</b>	National Honor Society, <b>hybrid, max in-pers: 12</b>
Miss Musick	A102			Tutoring: <b>hybrid, max in-pers: 12</b>
Mr. Rodriguez	A120	FTC Robotics (High School only) ( <b>full</b> )		FTC Robotics (High School only) ( <b>full</b> )
Dr. Pavlovic	C103	Biology/Chemistry Tutoring & Technology Student Association (TSA) <b>hybrid, max in-pers: 12</b>		
Mrs. Swan	online	<b>Fantastic Friday Social Hour (Fridays Only!, Online Only!) Middle School: 3-3:30pm, High School: 3:30-4pm</b>		
Mrs. Theorine	B106	Math Tutoring <b>hybrid, max in-pers: 10</b>		
Mrs. Upenieks	C101	Science Tutoring <b>hybrid, max in-person: 10</b>		
Mr. Vahit	C102	Science Tutoring <b>hybrid, max in-person: 10</b>		Science Club <b>in-person only, max: 10</b>
Mrs. Walloch	C105	Art Club <b>in-person only, 10 students maximum</b> (art tutoring available)	Yearbook Club <b>hybrid, max in-person: 10</b> art tutoring available)	Art Tutoring <b>in-person only, 10 students maximum</b>

## CLUB DESCRIPTIONS

### **Art Club (Ms. Walloch, Tuesdays, 3:00-3:45, Room C105, in-person only, max: 10 students)**

Come and have fun with Art every Tuesday. Come with ideas or something you want to explore in art and we will make it happen. I will also find opportunities for you to enter contests for prizes, scholarships or even cash. I will help you do the best you can to give a better chance of winning. (To avoid the need for any fees you may have to provide some supplies depending on what you want to do.) You can just show up. No appointment or commitment needed.

### **Cyber Patriot Club (Mr. Lee, Wednesdays, Room B123, 3:00-3:45) (High School Only) (hybrid, max in-person: 12)**

CyberPatriot is the National Youth Cyber Education Program. At the center of CyberPatriot is the National Youth Cyber Defense Competition. The competition puts teams of high school and middle school students in the position of newly hired IT professionals tasked with managing the network of a small company. In the rounds of competition, teams are given a set of virtual images that represent operating systems and are tasked with finding cyber security vulnerabilities within the images and hardening the system while maintaining critical services in a six-hour period. For more information: <https://www.uscyberpatriot.org/>

### **FIRST Tech Challenge (FTC) Robotics (Mr. Rodriguez, Tue, Thu, Room A122) (High School Only)**

FIRST Tech Challenge is a robotics competition organized by FIRST ([www.firstinspires.org](http://www.firstinspires.org)). In this club, students learn about building and programming robots for the competition. Students gain an understanding in robot building, programming, design, power tool usage, teamwork and overcoming challenges in an engineering challenge. There is a \$150 fee per student to help cover the cost of materials and competition registrations.

**Important Note: The selection for this club was made back in July. All available spots are full.**

### **FLL Robotics (Mr. Bryant, Tuesdays, 3-4pm, Room A118)**

**This club is part of the FLL Robotics yearlong elective class, where students were selected through a tryout process.** FIRST LEGO League teams (middle school students) research a real-world problem such as food safety, recycling, energy, etc., and are challenged to develop a solution. They also must design, build, program a robot using LEGO MINDSTORMS®, then compete on a table-top playing field.

It all adds up to tons of fun while they learn to apply science, technology, engineering, and math concepts (STEM), plus a big dose of imagination, to solve a problem. Along their journey, they develop critical thinking and team-building skills, basic STEM applications, and even presentation skills, as they must present their solutions with a dash of creativity to judges. They also practice the Program's Core Values, which emphasize discovery, teamwork and good sportsmanship.

### **Gaming Club (Mrs. Harding, Tuesdays, 3:00-3:45, Room B102), Hybrid, Max in-person: 10**

Are you a fan of PvP games or MMOGs? What about TCG games? Have you met NPCs or conquered a MOBA? Then come to gaming club! We have everything from Nintendo switch to cards to D and D.

**Girls Who Code Club (All grade levels) (Mr. Lee, Thursdays, 3:00-4:00, Room B123) (hybrid, max in-person: 12)**

This club offers the following. **Sisterhood:** Join a safe and supportive environment of peers and role models where girls learn to see themselves as computer scientists. **Code:** Learn the concepts of loops, variables, conditionals and functions that form the basis for all programming languages. **Impact:** Work in teams to design a computer science impact project that solves real world problems the girls care about. For more information, visit: [www.girlswhocode.com](http://www.girlswhocode.com)

**Graphic Novel Book Club (Non-Serialized) (Ms. Garcia, Wednesdays, 3:00-3:45, Room B110; Hybrid, Max in-person: 12)**

Students meet once a week to discuss pre-selected works and their own approved suggestions. Works in this group are self-contained (non-serialized). This club is open to seasoned readers and newcomers to this form of storytelling. A limited number of classroom copies are available for those who would like to join, although these copies will belong to the students and need to be quarantined for a period of time after use (no sharing). Further information (including reading list) on flyer found [here](#). Google Classroom for updates/discussion.

**HOSA Club (Coach Colby, Wednesdays, 3:00-3:45, Room A112) (High School Only) (Virtual)**

HOSA is an international student organization recognized by the U.S. Department of Education and the Health Science Education (HSE) Division of ACTE. HOSA's two-fold mission is to promote career opportunities in the healthcare industry and to enhance the delivery of quality health care to all people. HOSA's goal is to encourage all health science instructors and students to join and be actively involved in the HSE-HOSA Partnership. **Contact Coach Colby for more information.**

**Library Club (Ms. McInnis, Wednesdays, 3:00-3:45, Room B112), Hybrid, Max in-person: 12**

The Library Club is a great opportunity to spend time with books and keep Beehive fully stocked and inspired for the entire year. Come with your creativity and organizational skills to learn how to run a successful library.

**Nerd Club (Mr. Bryant, Wednesdays, 3:00-3:45, Room A116), Hybrid, Max in-person: 12**

Are you interested in chess, video games, anime, comics and manga? Come and join us with your consoles or video games to share. Don't forget your controllers!

**National Honor Society (Ms. McInnis, Thursdays, 3:00-3:45, Room B112, hybrid, max in-person: 12)**

The National Honor Society (NHS) is the nation's premier organization established to recognize outstanding students. NHS members demonstrate excellence in the areas of scholarship, service, leadership, and character. In NHS, we plan and execute service projects, school activities, and support the school and community. In the highly competitive field of college admissions and scholarships, being a member of the NHS can be the tipping point for college acceptance and receiving a greater number of awards. **Any high school or middle school student with a B or better in every class** is welcome to join the NHS.

**Science Club (Mr. Vahit, Thursdays, 3:00-3:45, Room C102, in-person only, maximum 10)**

Science Club is the place for students who are interested in science to learn about all scopes of science. The purpose of the Science Club is to spark an interest in science that allows students to explore and question the subject through hands-on techniques. A connection between what happens in everyday life and real applications will be made at each meeting. Students will use the scientific method and inquiry skills to accomplish tasks. In addition, students work as part of a team developing essential communication skills. Often times, in science, new developments and discoveries are not achieved individually. This club encourages positive teamwork and thinking outside the box to achieve a common goal.

**Student Council (Mrs. Firmage, Tuesdays, 3:00-3:45, Room B121), council members only, hybrid**

Student council is an important component in Beehive's school culture and consists of a president, vice president, grade representatives, a secretary, historian and two treasurers. The president and vice president have already been elected, but all the other positions are open for elections. This group of highly motivated students organize and run many of the extra-curricular student activities of the year, such as the student store, dances, school parties, prom, charity fundraising, and spirit week to name just a few. Attendance after school on Tuesdays during club time is required for the weekly meetings, as well as some weekend hours for activities. Parent support is essential for these positions. Students must be elected into this club.

**Technology Student Association (TSA) (Dr. Pavlovic, Tuesday-Thursday, Hybrid, Room C103)**

TSA (Technology Student Association) is a club **only** offered for **High School Students**. It is a chance to participate in many different areas of competition and leadership. Some areas of competition that are available are 3D Animation, Biotechnology Design, Coding, Engineering Design, Music Production, Software Development, STEM Careers, Video Game Design, and many others. You can join no matter what day of the week you are available. Our goal will be to find an area where each member can be successful in the science and technology fields.

**The Math Lab (Mr. DeFronzo, Tuesdays through Thursdays, 3:00-3:45, Room B105, Hybrid, Max in-person: 12)**

Mr. DeFronzo would like to offer The Math Lab on Tuesday, Wednesday, and Thursday each week. Students from any grade may come in alone or with friends to work on homework together. Myself along with peer tutors will be available when tutoring is needed. There will be calculators and other tools for students to use. Students who attend can expect a quiet and safe environment to complete work for math or any class, an occasional snack provided by Mr. D., and Wi-Fi to log in to textbooks and academic websites.

**Yearbook Club (Mrs. Walloch, Wednesdays, 3:00-3:45, Room C105, Hybrid, max in-person: 10)**

You can be part of documenting this year's **stories!** We will meet for a few weeks to talk about how we do what we do and next semester we will begin in earnest, meeting every week. Contact Mrs. Walloch for any questions or come to our meeting on Wednesday.

We will meet on Wednesdays in Mrs. Walloch's room at first. Next semester we will be in the Library so we can use the computers. It's great fun to **create** something that students will **cherish** for many years to come.