



**Information
Packet
2020-2021**

**Bayside High School
1901 DeGroot Rd SW
Palm Bay, Fl 32908**



PROGRAM AT A GLANCE

BETA is a district-endorsed Career and Technical Education (CTE) program of choice with approximately 135 students currently enrolled. BETA is the oldest career academy at Bayside, currently in its 12th year. Our Academy should be considered if your student excels in their STEM education classes, or has an interest in Engineering, Technology, Medicine, or Science.

BETA ...

- is a "school within a school" with its own director/counselor.
- has a STEM-enriched honors curriculum which provides students with a well-rounded high school experience.
- classes are in the same building, or in close proximity to one another in order to support collaboration and the culture of the program.
- core classes are honors level classes. Students are encouraged to take AP courses throughout the program.
- with all of Bayside, utilizes "Power Hour" at lunchtime, which has built-in teacher office hours for tutoring, make-up sessions, and curriculum enrichment activities to support learning, student engagement, and academic success for all students.
- teachers truly love what they do, which shows in the extra hours of time and planning that go into each lesson and cross-curricular projects and events created for the academy students.
- is continuously learning and adapting based upon reflection and feedback.

BETA STUDENTS...

- wear uniforms on special occasions such as field trips, guest speakers, competitions, etc.
- are expected to take part in all fundraising events. BETA is a self-sustaining program that utilizes fundraising, grants, and donations from business partners to fund our activities.
- have the opportunity to apply/interview/compete for internships at local engineering firms after their junior year.
- have the opportunity through their CTE courses to earn industry certification.
- as seniors, will complete and enter a self-selected project in the Science and Engineering Fair demonstrating skills acquired throughout their time in the program.
- have been accepted into FIT, FSU, UF, USF, UCF, FAU, UNF, USF, Embry-Riddle, Clemson, Auburn, Johns Hopkins, Vanderbilt, Princeton, US Naval Academy and Air Force Academy - to name a few.
- are Bright Futures candidates and receive roughly half a million dollars in additional scholarship funding each year.
- have been AP diploma candidates, or AA/AS degree recipients.
- routinely place in the top 3 in the annual Science and Engineering Fair and are awarded thousands of dollars in scholarship money each year.
- participate in Math Team, First Robotics, RaspberryPi Club, Science and Engineering Fair, Relay for Life, and many other community events, sports, and clubs.



FREQUENTLY ASKED QUESTIONS

➤ **Who is eligible for the BETA program?**

BETA accepts **all** who apply regardless of GPA, FCAT level, etc. unless there is a lottery situation. There are no “gates” for the academy; BETA is open to any student interested in going into Science, Technology, Engineering, and Math (STEM). However, applicants need to be aware that BETA students take all core courses at the honors or AP level, and there are GPA requirements for continuation in the program. Some indicators for success in BETA include: completion of Algebra I in middle school, grades of C or higher, math and reading FSA scores of 3 or higher, strong work ethic, and the ability to work well both independently and with a team.

➤ **Do I have to be zoned for Bayside to enroll in the BETA program?**

No, BETA is a Career Academy available to anyone. Visit the district website for current transportation information.

➤ **Will I be able to participate in clubs and sports if I am in BETA?**

Yes, BETA students participate in an array of clubs and sports. In fact, many leadership roles in those clubs and sports are held by academy students. BETA students are encouraged to participate in outside activities beyond the academy to insure a well-rounded education and positive high school experience.

➤ **What kinds of classes will I take?**

The BETA curriculum consists of honors and Advanced Placement courses for core classes as well as student-selected CTE progressions. Core classes are BETA-specific (only BETA students in the class) to foster community and allow for cross-curricular projects. BETA encourages students to take AP courses, which prepare them for university-level coursework and can earn them college credits. Because core courses are BETA-specific and therefore limited to specific times, students who want to go into the Collegiate program (at the end of 9th grade) will not likely be able to follow the BETA course progression. Those students will choose between staying in BETA and entering the Collegiate program.

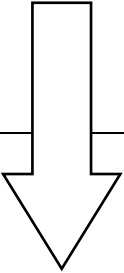
➤ **What makes BETA different?**

As a “school within a school,” BETA students develop close relationships with their classmates and teachers. They have many off-campus learning opportunities and benefit from BETA’s many industry connections through on-site visits, guest speakers coming to campus, internship opportunities, and scholarship opportunities. Team-building activities such as BETA day and BETA Small Learning Group (SLG) events help foster community within the academy. BETA students participate in many competitions throughout the year, and always represent Bayside well.

BETA students will graduate with 5 math and 5 science course credits, although the district requires only 4. Students who have not yet taken any high school math classes in middle school can still participate in the BETA program; they will take two math classes in 11th grade.

Course Progression

- Students who have not completed Algebra I in middle school will take 2 math classes in 11th grade
- Dual Enrollment students must take their primary math and science credits at Bayside, as listed below.
- All AP science classes are a “block” of two periods.

Grade	Math	Science	Language Arts	History	Engineering Courses	Electives
9 th (8 credits)	Geometry Hon or Algebra 2 Hon	Biology Hon Chemistry Hon	English 1 Hon	World History Hon	Career Research and Decision Making, and online course	Science Research, Fine Arts, HOPE, Foreign Language, other CTE classes
10 th (7 credits)	Algebra 2 Hon or Pre-Calculus	AP Biology or Physics Hon	English 2 Hon	US History Hon or AP US History	Applied Engineering I: Systems Engineering	
11 th (7 credits)	Pre-Calculus, AP Calc AB, or AP Statistics	Physics Hon, AP Biology or AP Physics	AP English Language or English 3 Hon	US Govt Hon / Economics Hon or AP Government	Applied Engineering II: Robotics, Business Blast-off Challenge	
12 th (7 credits)	AP Calculus AB/BC or AP Statistics	AP Chemistry, AP Biology, or AP Physics	AP English Literature or English 4 Hon	AP World History, AP US History, or AP Psychology	Applied Engineering III: Solidworks, Senior Project	AP Courses (Capstone, Computer Sci, etc), dual enrollment

Apply Online!

**The application window will open
January 6 and close on February 28, 2020.**

In order to streamline the application process, all choice applications for the 2020-2021 school year will be completed online. You can find application information and links on the Bayside High School website under “Career Academies.”

You may access the school website from the link below:

<https://www.brevardschools.org/BaysideHS>

When applying for Bayside Engineering Technology Academy (BETA) please select “BETA” or “Engineering” as your program of choice.

In addition to the online application, BETA requires an essay and two teacher recommendations, which are included in this packet. These will be used for academic placement only.

Please note that ALL students interested in BETA, regardless of zoned school, must complete the entire application process to be considered for the program.

For more information about the Bayside Engineering Technology Academy, please contact:

Jenni Davidson

BETA Academy Director

Davidson.jennifer@brevardschools.org

(321) 956-5000 ext. 21518





CONFIDENTIAL TEACHER RECOMMENDATION 2020-21 Choice Application

TO BE COMPLETED BY THE STUDENT: (With each form, provide an envelope as directed below)

Student Name: _____ Requested School/Program: Bayside BETA Program
 Current School: _____ Current Grade Level: _____
 Teacher: _____

Subject (circle one): English Math Science Soc. Studies World Lang

TO BE COMPLETED BY THE TEACHER:

The Choice Schools and Programs are designed to be highly rigorous plans of study. We appreciate your candid evaluation of this student.

All recommendations are kept strictly confidential.

Please use the following rating scale when completing the descriptors for this student:

5 = Exhibits this trait to an exceptional degree; 4 = Exhibits this trait consistently; 3 = Exhibits this trait frequently; 2 = Exhibits this trait occasionally; 1 = Exhibits this trait rarely; 0 = Not Observed

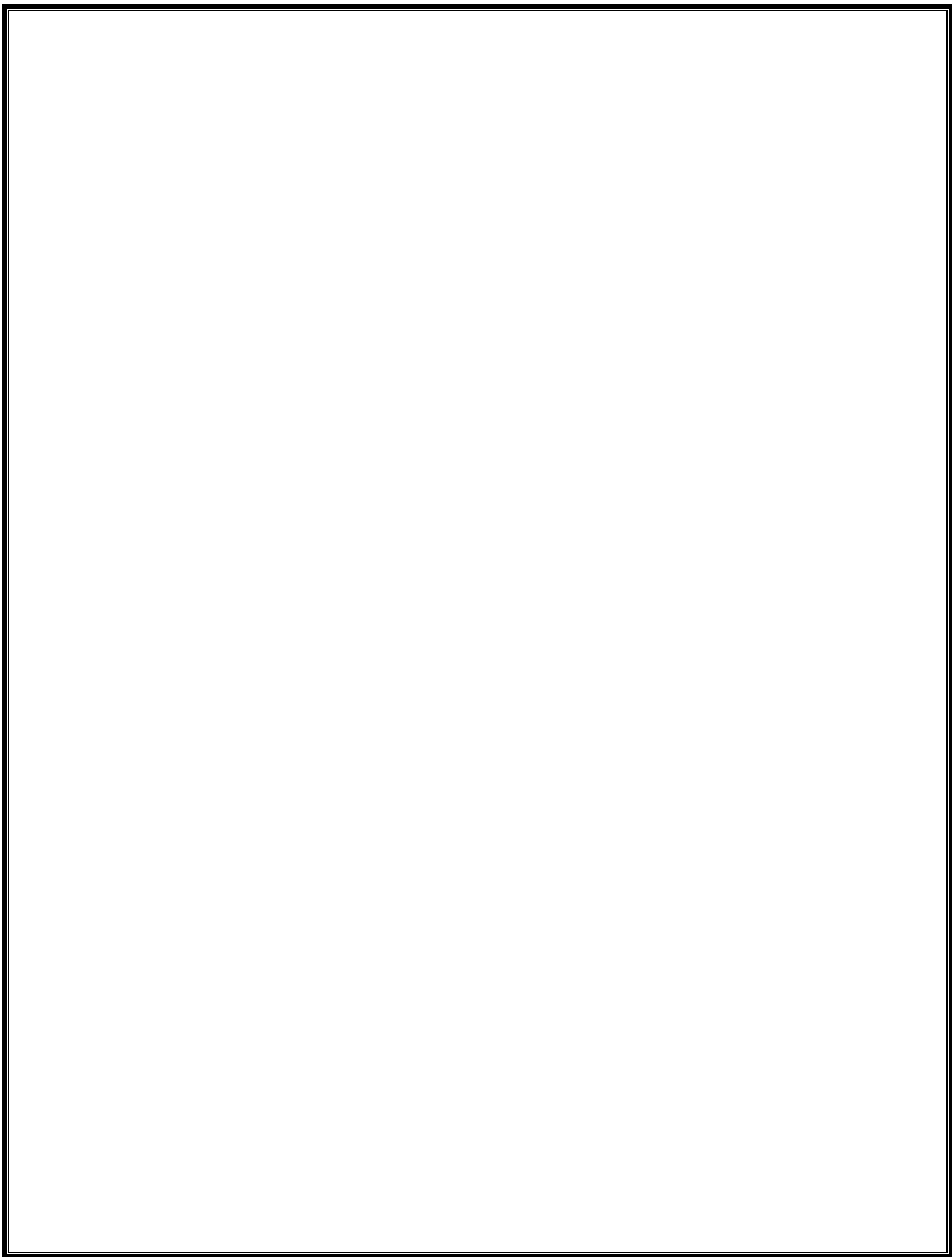
	5	4	3	2	1	0
Academic ability						
Leadership						
Organizational skills						
Respectful of other students/faculty						
Learns quickly with good retention						
Works well in group settings						
Highly motivated/Self-starter/Shows initiative						
Prepared for class						
Responsible, dependable & honest						
Demonstrates acceptable behavior conducive to learning						
Completes assignments (classwork and homework)						
Rarely absent and always punctual						

Strongly Recommend Recommend
 Recommend with Reservations Do Not Recommend

Choice Schools and Programs require students to work at a very high level. Students must be motivated and enjoy learning. In your opinion, does this student possess the necessary characteristics for successful performance in this program? _____ Yes _____ No

Please include ALL other information relevant to the student's potential success or failure in the program. Add additional sheets, if necessary.

Choice applicants must obtain two (2) confidential core teacher recommendations for each choice application for high school applications. Write the name of the child and name of the requested choice school and program on each envelope and submit with form. The teacher will place the completed form in the signed/sealed envelope and send to **Bayside High School, Attn. Mrs. Davidson**. All recommendations must be received by the choice application due date in order to be considered.





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Academic ability						
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Strongly Recommend
 Recommend with Reservations

Recommend
 Do Not Recommend

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