



2023 Barbados Junior Robotics Camp (BJRC)

Coach, Teacher, or Principal Recommendation for Levels III & IV

Level IIIA campers must be more than 13 and less than 15 years old by 1 July 2023. Similarly, Level IIIB campers must be more than 16 and less than 19, and Level IV campers must be more than 15 and less than 19.

To: Camper and Parent

Please print all pages of this form and give them to your former robotics coach, or science or math teacher, or Principal. Alternatively, the teacher or Principal can directly download the fillable version of this form in either .docx or .pdf format from (https://caribbeanscience.org/wp-content/uploads/2023/06/BJRC_2023_Levels_3-4_Coach-Teacher-Principal_Recommendation_Form.docx) and return it to the CSF, following the instructions on the form.

However, from the CSF's perspective, the Camper is ultimately responsible for making sure the teacher or Principal gets hold of the form and submits it. **Applications without this form completed and submitted to the CSF by 11:59 pm AST on 09 July 2023 will not be considered.**

To: Robotics Coach, Science or Math Teacher, or Principal

The Barbados Junior Robotics Camps (BJRC) are annual summer enrichment programs for young Barbadian students interested in robotics. The aim of the day camps is to introduce basic technology and engineering concepts to children. The camps are targeted at children who are passionately interested in science, technology, engineering, and mathematics (STEM) and enjoy hands-on work.

Students from low-income households and girls are encouraged to apply. The aim is a balanced class of 50% girls and boys. Students apply directly to the CSF for admission, but a recommendation from their science or math teacher, or principal is required. The typical student who is admitted into the Junior Robotics Camp is curious about science and his/her surroundings, is eager to acquire knowledge in the STEM disciplines, and performs consistently well at school in related subjects.

Our modified Level III VEX robotics curriculum comprises a mix of classroom teaching, substantial computer programming, and hands-on building using the VEX Robotics Kits. VEX is recognized as a leading classroom robotics platform (see <http://www.vexrobotics.com/>). In the Level IV camp, students build their own robots from a bunch of given parts and can 3-D print additional parts. Level IV robots must include the use of microcontrollers and a high-level programming language. Teamwork is an essential skill that is emphasized in all the camps, and its value is highlighted. Through these curricula, the students see examples of how physics, math and programming are applied to engineering and robotics.

The program culminates with student project demonstrations in which each team first gives an oral presentation of their hands-on project before demonstrating the workings of their robot. These final presentations are open to the public. The camps are hosted on the Cave Hill campus of the University of the West Indies (our partner). More information about the BJRC can be found at <http://caribbeanscience.org/barbados-junior-robotics-camp/>.

The CSF thanks you in advance for taking time to provide this recommendation for your student, or former student. A fillable version of the recommendation form in .docx format can be downloaded from https://caribbeanscience.org/wp-content/uploads/2023/05/BJRC_2023_Levels_3-4_Teacher-Principal_Recommendation_Form.docx.

After filling out the form, please sign, date, and convert it to a pdf, png or jpg file and submit it by e-mail as an attachment to applications.csf@gmail.com with the subject line "BJRC 2023–FirstAndLastNameOfStudent-TeacherRecomm-YourLastName". Your recommendation should arrive at the CSF before **11:59 pm AST, 09 July 2023**. Should you have any questions about BJRC or the recommendation, please contact the CSF office by e-mail or by telephone (1-246-417-7493).

Coach, Teacher, or Principal Recommendation for Levels III & IV

BJRC Recommendation Form - (to be completed by Coach, science or math teacher, or Principal)

Dear Coach, Teacher, Principal: Please complete this recommendation form as accurately as possible. Place an X in the box that best describes the student. Please scan and return this form by e-mail to applications.csf@gmail.com before **11:59 pm AST, 09 July 2023**. Please use "BJRC 2023–FirstAndLastNameOfStudent-TeacherRecomm-YourLastName" as the subject of your email. More information about the Robotics Camp can be found at <http://caribbean-science.org/barbados-junior-robotics-camp/>

Name of child _____ Applying to Level III ___ or IV ___

How long have you known the child? _____

In what capacity? _____

Name of school _____

Attribute	Absolutely agree	Strongly agree	Agree	Disagree	Do not know
Has previous robotics experience (elaborate below)					
Has previous programming experience (elaborate below)					
Eager to acquire knowledge in science and math					
Performs consistently well in science and math					
Participates actively and enthusiastically in class					
Goes beyond the material taught in class					
Is willing to question technical concepts presented					
Works well with others					
Strong oral communication skills					
Shows regard for personal property and property of others					
Shows respect to persons in authority and other students					
Attributes include honesty and integrity					

In the box below, we are looking for specifics to ascertain the student has a strong enough background to handle the programming and robotics challenges of the level for which they are applying. In addition, please comment on: (a) student's performance relative to others in your class(es), (b) areas where the student needs to improve, (c) leadership qualities/potential, and (d) any other helpful information you wish to share. *(continue on as many pages as you need)*

Principal/Teacher Name: _____ Tel. No./e-mail: _____

(Signature) _____ Date: _____