
SBS Mathletes Program - Charter

St. Bernadette School
Northborough, MA

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The Need (Problem Statement):

Far too many students finish middle and junior high school without developing a solid foundation in algebra and geometry necessary for success in rigorous high school mathematics courses. Many students have not built an adequate mathematics foundation necessary for success in advanced courses or in math club competitions, which are the gateway to college and promising careers.

The Mission Statement:

The mission of the SBS Mathletes Program is to provide the necessary guidance, mentoring and motivation to children that have a genuine passion for math, so that they are not only able to compete in math competitions with confidence but also enjoy learning and exceling in a team environment.

Goals/Objectives of the SBS Mathletes Program

The main objective of the SBS Mathletes Program is to improve the performance of SBS students in math club competitions. Goals for this program are –

1. Enroll up to 30 students from grades 6 through 8
2. Provide coaching through weekly practice and problem-solving sessions that run throughout the year
3. Compete in a minimum of 6 regional math competitions in the 2018 school year
4. Focus on students collaborating with each other and working in a team environment
5. Measure student performance as a KPI (key performance indicator) to assess program effectiveness and make changes as needed to the tutoring program
6. Develop a playbook that describes all pertinent details of how to run the program

All of the program's services and practices will be based on the mission statement and the proposed goals and objectives.

Program Design

The SBS Mathletes Program will be organized and executed by former SBS students and other high school students with support and oversight provided by the SBS faculty. Listed below are the key members of the administrative team –

Program Champion: Mrs. O'Neil

SBS Math Faculty: Mr. Moran, Mrs. Kapoor, Other

Program Director: Arun Chintalapati (SBS Alumni)

Assistant Director: TBD

Tutors: TBD

Other Program Details

1. How will students be identified for this program?
 - Teachers may refer students to the program, but it will be open enrollment on a first come first serve basis.
2. Where and when will tutoring take place?
 - Tutoring will take place at SBS school, 1 afternoon every week (after school during a weekday) starting TBD for the entire school year.
3. How will the program recruit and screen volunteer tutors?
 - The program Director will collaborate with the SBS faculty in identifying and screening all prospective tutors.
4. How will the program support the tutors?
 - All tutors will take part in an initial orientation and attend TBD hours of informal training.
5. What study material is required for this program and who will be providing that material?
 - The tutor faculty will be responsible for identifying the necessary study material. Students can either purchase the books or will get handouts.
6. What's the cost to the students for this program?
 - Other than any cost that the student chooses to incur for buying study material (books), there is no tutoring or other costs for enrolling in this program.
7. What do students need to bring with them for the practice sessions?
 - Students need to bring a note book and number 2 pencils. In addition, they may also want to bring an afternoon nut-free snack.
8. How will the effectiveness of the program be tracked?
 - Tutors and SBS faculty will work together to create and maintain a record of the results from all the math competitions to assess and make changes as needed to the tutoring program.
9. Who will be responsible for identifying which math competitions student will compete in?
 - SBS math faculty will identify and register for the math competitions and will provide those specifics to the students.
10. Who will be responsible for the transportation to and from the venues of the math competitions?
 - It's the parent's responsibility to make necessary transportation arrangements for their child.

Next Steps

1. Finalize charter details and approval from Mrs. O'Neil.
2. Announce the Mathletes Program to SBS students.
3. Complete recruitment of the tutoring faculty.
4. Start and finalize the student enrollment.
5. Establish a start date for the program and communicate.