**MATH**

**Program Name: PROMYS at BU**

**Types of Science:** Mathematics

**Age Requirement:**  At least 14 and completed 9th grade

**Application Due Date:** Early in the year

**Program Dates:**  June 30th to August 10th

**Location:**  Boston University

**Housing**: Included

**Cost**: $5000, lowered to $2913 if financial aid qualified

**Website:** <https://promys.org/>

**Other Info**

*Acceptance Notified By*: May 15th

*Acceptance Rate*: Accepts 80 HS students, 60 first-year and 20 returning

*Previous Attendees*: N/A

*Miscellaneous*: PROMYS is a challenging program designed to encourage ambitious high school students to explore the creative world of mathematics. Each summer, approximately 80 high school students from around the country gather on the campus of Boston University for six weeks of rigorous mathematical activity. Through their intensive efforts to solve an assortment of unusually challenging problems in Number Theory, participants will practice the art of mathematical discovery. The problem sets encourage students to design their own numerical experiments and to employ their own powers of analysis to discover mathematical patterns, formulate and test conjectures, and justify their ideas by devising their own mathematical proofs.

**Program Name: Ross Mathematics Program**

**Types of Science:** Mathematics

**Age Requirement:**  15 to 18 y.o. (younger or older students accepted rarely)

**Application Due Date:** April 1st

**Program Dates:**  June 23rd to August 2nd

**Location:**  Ohio Dominican University

**Housing**: Included

**Cost**: $5000, financial aid negotiable

**Website:** <https://www.txstate.edu/mathworks/camps/Summer-Math-Camps-Information/hsmc.html>

**Other Info**

*Acceptance Notified By*: Rolling, applying before deadline is preferable

*Acceptance Rate*: N/A

*Previous Attendees*: N/A

*Miscellaneous*: The first year course in the Ross Program is organized around a series of daily problem sets in number theory. These sets invite the participants to contemplate a variety of seemingly simple questions about numbers and their relationships. As the summer progresses the students are encouraged to investigate these questions in increasing depth, and to return to them periodically as their skill at abstract reasoning and their collection of available tools become more powerful.

**Program Name: Mathworks Honors Math Camp**

**Types of Science:** Mathematics

**Age Requirement:**  High School Student

**Application Due Date:** April 15th (3 rounds, check website)

**Program Dates:**  June 23rd to August 2nd

**Location:** Texas State University

**Housing**: Included

**Cost**: $4000 + $25 application fee

**Website:** <https://www.txstate.edu/mathworks/camps/Summer-Math-Camps-Information/hsmc.html>

**Other Info**

*Acceptance Notified By*: 3 rounds, check website

*Acceptance Rate*: 20%

*Previous Attendees*: N/A

*Miscellaneous*: The Mathworks Honors Summer Math Camp (HSMC) is an intensive multi-summer program for high school students. The goal of the program is to develop talented students of all socioeconomic backgrounds through immersive and in-depth experiences in a unique learning environment. Students develop important skills for future degrees and careers in math, science, engineering, and many other fields.