**SJS Robotics Clubs – Winter 2018**

FTC CLUB (Grades 7-8)

Dates: Jan 18 - March 15 (no class Feb 8)
Time: Thursdays, 3:30-5:00 PM
Cost: $176
Location: Robotics Lab
Note: This is an 8-week, 90 minute class

Course Description:
This club will continue to explore robotics and programming elements used in First Technology Challenge (FTC) competitions. The Java programming language, MIT App Inventor, and robotics building from the Tetrix kit will all be highlighted throughout the session. Team members develop strategies based on sound engineering principles. Students with any level of robotics and programming experience are welcome to join, although registration priority will be given to students who participated in last fall's FTC Club.

EV3 ROBOTICS CLUB (Grades 5-7)

Dates: Jan 19 -  March 16 (no class Jan 26)
Time: Fridays, 3:30-5:00 PM
Cost: $176
Location: Robotics Lab
Note: This is an 8-week, 90 minute class

Course Description:
This club will continue to focus on LEGO's EV3 robotics platform. Students will design, construct, and program their robots to perform in sensor-based challenges, as well as robotic competitions. Initial student projects include hill climbing, beacon retrieval, color sensor navigation, and robot combat. Advanced programming and more complex robotics tasks will be available for students who participated in EV3 Robotics Club last fall. Students with any level of robotics experience are welcome to join, although registration priority will be given to students who participated in last fall's EV3 Robotics Club.

Please register for winter session at [www.fairfaxcollegiate.com/st-joseph](http://www.fairfaxcollegiate.com/st-joseph)