ROBOTICS PROJECTS TRACK

Gr. 5 to 8

B - I

Adapt basic engineering process – from Design with flowchart to simple trouble-shooting.

90% programming development, 10% mechanical

II+

Continue to delve more programming techniques and math application solutons.

More sophisticated robotics projects with performance and expandability

Storming Robots®

COMMON CORE GR. 8 – 12

Common Core – Algorithms in C/C++ B & I
Core Foundation for participating in various advanced electives

COMPUTER SCIENCE TRACK

ALGORITHMS IN C/C++

LEVEL B TO IV

Focus on Computational Thinking

COMPUTER ENGINEERING TRACK

ROBOTICS WITH ELECTRONIC

LEVEL B TO II

(minimum prerequisite: ALGORITHMS IN C/C++ LEVEL I)

Storming Robots®

Electives (with prerequisites)

COMPUTER SCIENCE TRACK

Electives: SOFTWARE ENGINEERING COMPETITIONS – A.C.S.L., Satellite Programming, Robotics Simulation

COMPUTER ENGINEERING TRACK

Electives: ROBOTICS COMPETITIONS with open-source hardware, software Heavily focus on full-automation with advanced techniques

Storming Robots®