

- Complete Course Descriptions & Videos
- Online Registration



Summer 2018 Quick Reference Camp Calendar

All Vista Teach Camps are centrally located at *Allendale Columbia School*, 519 Allens Creek Road in Rochester

	MON	TUE	WED	THU	FRI
Session #1	June 25	June 26	June 27	June 28	June 29
Intro to LEGO WeDo Robotics Grades 2 – 4, Fall 2018 \$165	10:00 am – 12:00 pm	10:00 am – 12:00 pm	10:00 am – 12:00 pm	10:00 am – 12:00 pm	10:00 am – 12:00 pm
VEX IQ Robotics – Navigation Engineering Grades 5 – 8, Fall 2018 \$225	9:00 am – 12:00 pm	9:00 am – 12:00 pm	9:00 am – 12:00 pm	9:00 am – 12:00 pm	9:00 am – 12:00 pm
Session #2	July 2	July 3	July 4	July 5	July 6
Intro to LEGO WeDo Robotics Grades 2 – 4, Fall 2018 \$165	9:00 am – 11:30 am	9:00 am – 11:30 am	X	9:00 am – 11:30 am	9:00 am – 11:30 am
Intermediate LEGO WeDo Robotics Grades 3 – 5, Fall 2018 \$175	9:00 am – 11:30 am	9:00 am – 11:30 am	X	9:00 am – 11:30 am	9:00 am – 11:30 am
Session #3	July 9	July 10	July 11	July 12	July 13
Intro to LEGO WeDo Robotics Grades 2 – 4, Fall 2018 \$165	10:00 am – 12:00 pm	10:00 am – 12:00 pm	10:00 am – 12:00 pm	10:00 am – 12:00 pm	10:00 am – 12:00 pm
LEGO EV3 Robotics – Navigation Engineering Grades 6 – 10, Fall 2018 \$225	9:00 am – 12:00 pm	9:00 am – 12:00 pm	9:00 am – 12:00 pm	9:00 am – 12:00 pm	9:00 am – 12:00 pm
Session #4	July 16	July 17	July 18	July 19	July 20
Intro to LEGO WeDo 2.0 Robotics Grades 2 – 4, Fall 2018 \$165	10:00 am – 12:00 pm	10:00 am – 12:00 pm	10:00 am – 12:00 pm	10:00 am – 12:00 pm	10:00 am – 12:00 pm
VEX IQ Robotics – INVITATIONAL SESSION Grades 6 – 10, Fall 2018 \$250	9:00 am – 12:00 pm	9:00 am – 12:00 pm	9:00 am – 12:00 pm	9:00 am – 12:00 pm	9:00 am – 12:00 pm
Session #5	July 23	July 24	July 25	July 26	July 27
LEGO EV3 Robotics – Navigation Engineering Grades 6 – 10, Fall 2018 \$225	9:00 am – 12:00 pm	9:00 am – 12:00 pm	9:00 am – 12:00 pm	9:00 am – 12:00 pm	9:00 am – 12:00 pm
Intermediate LEGO WeDo Robotics Grades 3 – 5, Fall 2018 \$175	10:00 am – 12:00 pm	10:00 am – 12:00 pm	10:00 am – 12:00 pm	10:00 am – 12:00 pm	10:00 am – 12:00 pm
Session #6	July 30	July 31	August 1	August 2	August 3
VEX IQ Robotics – Navigation Engineering Grades 5 – 8, Fall 2018 \$225	9:00 am – 12:00 pm	9:00 am – 12:00 pm	9:00 am – 12:00 pm	9:00 am – 12:00 pm	9:00 am – 12:00 pm
LEGO EV3 Robotics – Innovation Engineering I Grades 7 – 10, Fall 2018 \$225	9:00 am – 12:00 pm	9:00 am – 12:00 pm	9:00 am – 12:00 pm	9:00 am – 12:00 pm	9:00 am – 12:00 pm



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In-School S.T.E.M. Programs at *Allendale Columbia School*: STEMspotlight.com

S.T.E.M. = Science, Technology, Engineering, Mathematics

We are experienced, NYS Certified Teachers & former Corporate Engineers!



Sue Sorrentino



S.T.E.M. courses taught by a female team of experienced, NY Certified Teachers & former Corporate Engineers, in their 7th year as S.T.E.M. faculty members at *Allendale Columbia School*. The Team has been presented with the **2014 K-12 Corporate S.T.E.M. Innovation Award** by the *International Association for S.T.E.M. Leaders* at their invitation-only, Annual Forum in Washington, D.C. | Classroom: www.STEMspotlight.com | Summer Camps: www.VistaTeach.biz | Contact: Camps@VistaTeach.biz

LEGO AND VEX IQ ROBOTICS

Intro to LEGO WeDo Robotics AND/OR Intro to LEGO WeDo 2.0 Robotics, Grades 2–4 Fall 2018 (\$165)

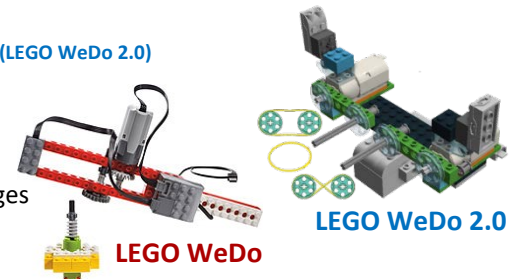
Session #1 10 AM – 12 PM Mon, Jun 25 – Fri, Jun 29

Session #3 10 AM – 12 PM Mon, Jul 9 – Fri, Jul 13

Session #2 9:00 AM – 11:30 AM Jul 2, 3, 5, and 6

Session #4 10 AM – 12 PM Mon, Jul 16 – Fri, Jul 20 (LEGO WeDo 2.0)

Working in teams of two, young students design and construct interactive structures programmed with motors and sensors. Incorporating professional engineering practices, this hands-on and academically rigorous STEM Education program builds design thinking and strategic innovation as young learners solve for the building & programming challenges they are posed. Students can register for either or both courses which are somewhat similar, however, each involve the use of *different structural and electronic components*.



Intermediate LEGO WeDo Robotics, Grades 3–5 Fall 2018 (\$175)

Session #2 9:00 AM – 11:30 AM July 2, 3, 5, and 6

Session #5 10 AM – 12 PM Mon, Jul 23 – Fri, Jul 27

Course Prerequisite: *Intro to LEGO WeDo Robotics OR Intro to LEGO WeDo 2.0 Robotics*

Young students further extend their strategic learning and design thinking skills in Robotics and Engineering Education as they individually choose the mechanical and/or programming challenges they wish to further investigate and solve for... *Limited Enrollment!*

VEX IQ Robotics – Navigation Engineering, Grades 5–8 Fall 2018 (\$225)

Session #1 9 AM – 12 PM Mon, Jun 25 – Fri, Jun 29

Session #6 9 AM – 12 PM Mon, Jul 30 – Fri, Aug 3

Working in teams of two, students construct and program smart robots for navigation and manipulation using Graphical ROBOC programming software. Additionally, students also participate in team driver/remote control alliance matches, modeled directly after actual robotics competitions, as they strategically collaborate—*in real time*—with demonstrating their teamwork skills.



LEGO EV3 Robotics – Navigation Engineering, Grades 6–9 Fall 2018 (\$225)

Session #3 9 AM – 12 PM Mon, Jul 9 – Fri, Jul 13

Session #5 9 AM – 12 PM Mon, Jul 23 – Fri, Jul 27

Working in teams of two, students construct and program smart robots for navigation & manipulation incorporating actuators and sensors. In addition, students also learn about basics of gear systems as well as effective chassis and manipulation design concepts as they solve for the specific building and programming challenges they are posed.



LEGO EV3 Robotics – Innovation Engineering, Grades 7–10 Fall 2018 (\$225)

Session #6 9 AM – 12 PM Mon, Jul 30 – Fri, Aug 3

Course Prerequisite: *LEGO EV3 Navigation Engineering*

Working in teams of two, students will construct and program smart robots to perform innovative tasks such as sorting colors, manipulating objects, etc. In addition, students are challenged to develop viable prototypes with updating and enhancing design and functionality incorporating complex programming using Loops, Switches, Multiple Switches, Data Wires, Variables, Logic, Case Structures, My Blocks (Sub-Routines), and more!

