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www.VistaTeach.biz | 585-414-7170



Summer 2017 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
AC Session #1	June 26	June 27	June 28	June 29	June 30
Intro to LEGO WeDo Robotics Grades 2 – 4, Fall 2017 \$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 2017 \$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
AC Session #2	July 3	July 4	July 5	July 6	July 7
Intro to LEGO WeDo Robotics Grades 2 – 4, Fall 2017 \$165	9:00 am – 11:30 am		9:00 am – 11:30 am	9:00 am – 11:30 am	9:00 am – 11:30 am
Intermediate LEGO WeDo Robotics Grades 3 – 5, Fall 2017 \$175	9:00 am – 11:30 am		9:00 am – 11:30 am	9:00 am – 11:30 am	9:00 am – 11:30 am
AC Session #3	July 10	July 11	July 12	July 13	July 14
Intro to LEGO WeDo Robotics Grades 2 – 4, Fall 2017 \$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 2017 \$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
AC Session #4	July 17	July 18	July 19	July 20	July 21
Intro to LEGO WeDo Robotics Grades 2 – 4, Fall 2017 \$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 2017 \$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
AC Session #5	July 24	July 25	July 26	July 27	July 28
LEGO EV3 Robotics – Navigation Engineering Grades 6 – 10, Fall 2017 \$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 2017 \$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
AC Session #6	July 31	August 1	August 2	August 3	August 4
VEX IQ Robotics – Navigation Engineering Grades 5 – 8, Fall 2017 \$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 2017 \$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



Sue Sorrentino



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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!



S.T.E.M. courses taught by a female team of experienced, NY Certified Teachers & former Corporate Engineers, in their 6th 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

2017 SUMMER CAMP S.T.E.M. PROGRAMS



Intro to LEGO WeDo Robotics, Grades 2–4 Fall 2017 (\$165)

Session #1 10 AM – 12 PM Mon, Jun 26 – Fri, Jun 30

Session #3 10 AM – 12 PM Mon, Jul 10 – Fri, Jul 14

Session #2 9:00 AM – 11:30 AM Jul 3, 5, 6, and 7

Session #4 10 AM – 12 PM Mon, Jul 17 – Fri, Jul 21

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 and programming challenges they are posed.

Intermediate LEGO WeDo Robotics, Grades 3–5 Fall 2017 (\$175)

Session #2 9:00 AM – 11:30 AM July 3, 5, 6, and 7

Session #5 10 AM – 12 PM Mon, Jul 24 – Fri, Jul 28

Course Prerequisite: *Intro to LEGO WeDo Robotics*

Young students further extend their strategic learning and design thinking skills in Robotics and Engineering Education. **Application required for acceptance into this high-demand, robotics camp.*

VEX IQ Robotics – Navigation Engineering, Grades 5–8 Fall 2017 (\$225)

Session #1 9 AM – 12 PM Mon, Jun 26 – Fri, Jun 30

Session #6 9 AM – 12 PM Mon, Jul 31 – Fri, Aug 4

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. **Application required for acceptance into program.*

LEGO EV3 Robotics – Navigation Engineering, Grades 6–9 Fall 2017 (\$225)

Session #3 9 AM – 12 PM Mon, Jul 10 – Fri, Jul 14

Session #5 9 AM – 12 PM Mon, Jul 24 – Fri, Jul 28

Session #4 9 AM – 12 PM Mon, Jul 17 – Fri, Jul 21

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 2017 (\$225)

Session #6 9 AM – 12 PM Mon, Jul 31 – Fri, Aug 4

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!

