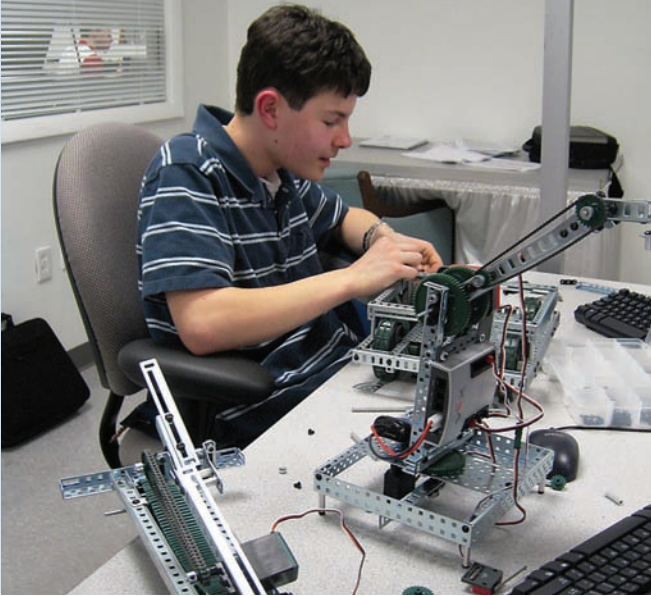


# REC Semester 2 Packages

Advance your students with the gold standard of robotics curriculum!



Built on the power of LearnMate™, intelitek's e-learning platform, **REC™** delivers comprehensive, standards-based instruction via hands-on activities and compelling online curriculum, all centered on three core features:

- **LearnMate** curriculum with optional classroom management system (LMS)
- **easyC®** programming software
- **Vex™** Starter Kit with required accessories

**LearnMate**

**Students exposed to robotics curriculum are more likely to:**



- *become excited about learning*
- *graduate to college programs*
- *become well-rounded young adults*
- *acquire teamwork and leadership skills*

**Intelitek's Robotics Engineering Curriculum (REC)** launched in 2007 as the most successful curriculum ever released in intelitek's 25 years of technology education solutions. The REC program is famous for combining **science, technology, engineering and mathematics (STEM)** in an engaging environment for students worldwide!

**REC Semester 2** builds upon the students' successes from REC Semester 1 to gain a deeper knowledge of robotic systems through application. Students cover advanced mechanical design, basic electronics, and advanced programming. The semester finishes with a capstone project where student compete and put their knowledge to the test!

Just as in REC Semester 1, Semester 2 comes complete with activities, animations, and helpful tips to keep students engaged and allow the teachers to focus on the students.

A full-length **teacher's guide** is included in each kit with tips from engineers, college faculty, fellow teachers, and robotic team mentors. Additional **Professional Development** is available annually at intelitek headquarters for the teacher that wants specialized training to make their classroom successful.

REC Semester 2 is available in **10, 20, and 30 student packages**, eliminating the need for multiple purchase orders and time wasted on collecting supplies. Vex material and activity supplies are designed for two students per robot, encouraging students' communication and teamwork skills. Each package also includes a set for the instructor to use as a demonstration tool or to show off to parents.

REC Semester 2 is the perfect way to complete a successful year of robotics curriculum!



For Semester 2, each two-student team receives the above materials.

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[www.intelitek.com](http://www.intelitek.com)

# REC Semester 2 Packages

## Program Packages include:

- LearnMate Content (75 Hours)
- Lab License of easyC® PRO
- REC 2 Project Kit



The following items (one of each) are supplied for two students and one instructor except as noted:

REC 2 Vex Materials Kit, including:

- Tank Tread Kit
- Large Omni Directional Wheel Kit
- Advanced Gear Kit
- Sprocket and Chain Kit
- Worm Gearbox Bracket
- Rack Gearbox Bracket
- Bevel Gearbox Bracket
- Potentiometer Kit (2)
- Linear Slide Kit
- Continuous Rotation Motor
- Vex Y Cable
- Vex PWM Cables
- Vex water wheels

REC 2 Electronics Kit, including:

- Digital Multimeter
- Wire Cutter
- Pliers
- Storage Box
- Breadboards
- Resistors
- Potentiometers
- Springs
- Photoresistor
- Capacitor
- LM555 Timer
- LEDs
- Transistors
- Toggle Switches
- 9 Volt Battery



## Service Packs

Hands-on, interactive curriculum eventually requires replenishment of materials. intelitek's service packs enable you to easily and seamlessly restock your classroom.



10-student semester 2 service pack

10-, 20- and 30-student service packs are available to keep your classroom up and running from semester to semester. Additionally, if at any time you would like to add to your classroom's Vex collection, intelitek has complete stock of any and all items in the package for individual purchase.



30-student semester 2 program



20-student semester 2 program



10-student semester 2 program



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