



Sphero have recently released their new RVR+ model, to further enhance STEM learning in the classroom. You can find out more about this exciting product below.

While SSERC Digital will support RVR+ in the future, we have other exciting PL offerings coming up with Sphero products in the next academic year:

### Sphero indi (Enthuse Funded)



**Day 1:** Thursday 1st June 2023 – in person at SSERC HQ.

**Day 2:** Thursday 22nd June 2023 – live remote session via MS Teams.



**Day 1:** Friday 29th September 2023 – in person at SSERC HQ.

**Day 2:** Friday 9th December 2023 – live remote session via MS Teams.

### Sphero Bolt

**Day 1:** Friday 23rd February 2024 – in person at SSERC HQ.

**Day 2:** Friday 22nd March 2024 – live remote session via MS Teams.



### Sphero RVR+



RVR+ is Sphero's revolutionary take on the programmable robot and is optimised for the middle and high school classrooms and makerspaces. It's drivable right out of the box, packed with a diverse suite of sensors, and built for customisation.

RVR+ is expandable and made for novice to advanced programmers. Learners learn coding skills and computer science basics with the free Sphero Edu app or advanced programmers can level up with the Public Sphero SDK to program with Python and connect third-party hardware.

### Go-anywhere, do-anything programmable robot

Our most versatile programmable robot yet, packed with a diverse suite of sensors and built for customisation. Drive RVR+ precisely and accurately right out of the box – no assembly or complicated setup required.

### Advanced sensors

Packed with on-board sensors including an improved colour sensor allowing for more accuracy in programming RVR+ to see colours in its environment, a light sensor, IR, accelerometer, and gyroscope.

### Enhanced gearbox

The gearbox has been redesigned to improve torque, payload capacity, and durability to take inventions even further.

### Program it

Use the free Sphero Edu app for an introduction to computer science and programming. Learners can program RVR with draw & drive, blocks, or JavaScript. RVR+ can also be programmed using the Sphero Public SDK and API libraries for more advanced hackers and makers, making it the ultimate programming robot for coders of all levels.

### Build on it

Simple enough for a novice to get started, but advanced enough to create anything your imagination can come up with. RVR+'s customizable expansion plate lets you connect most third-party hardware including Raspberry Pi, Arduino, micro:bit, and Sphero's own littleBits.

### Rechargeable battery

New-and-improved rechargeable and swappable battery to keep programs, inventions, and classroom projects running without any downtime.

You can see Sphero RVR+ in action at <https://youtu.be/4XQSmY5OWQ4> <<

