

Coding Explorers

Intermediate - Sphero Bolts & Micro:bits

Package A includes:

- 1 x Sphero Bolt Class Pack (15 robots)
- 6 x Micro:bit Boards
- 1 x Professional Learning Development session



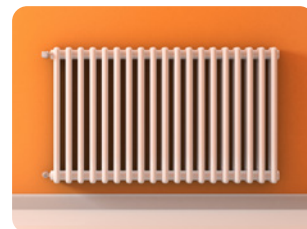
Combine this package with FREE Genesis School-gen STEM resources

Keeping our classrooms warm (Level 1-2)

In this activity, students find out about heat energy, how their classroom is heated and how to keep it warm. Click [here](#) to download the resource or visit schoolgen.co.nz/for-teachers/resources

Equipment use idea:

Demonstrate how heat is created when molecules are moving. Use Sphero Bolts to represent the molecules. Add paper cups/plates to Sphero Bolts to demonstrate atoms and molecules - make them fun! Use Micro:bit boards to create temperature sensor/thermometer.



Introducing electrical energy (Level 1-2)

Find out about energy and electricity. Which appliances and devices around you use electrical energy? Click [here](#) to download the resource or visit schoolgen.co.nz/for-teachers/resources.

Equipment use idea:

Create a large map to lay on the classroom floor (bolts work best on a hard floor). Draw things that 'use energy' (e.g. appliances) and draw different 'sources of energy' (e.g. the sun, batteries) – mix them up on the map. Code the bolts to land on energy users first, then move to energy sources next.



OfficeMax are excited to support the Genesis School-gen Trust – helping schools get the STEM equipment they need

Professional Learning Development Online Session Redemption:

Felicity Rea is an OfficeMax Learning Consultant with 14 years teaching experience. She is passionate and innovative about deepening learning across the curriculum for all tamariki in Aotearoa using digital technologies and hands on, purposeful, real-life projects. A one-hour online professional development session with Felicity is provided with this package.

The recipient school will be contacted by phone and/or email. Where the equipment package is won by an OfficeMax account customer, the recipient school is the legal entity as named on the account. We reserve the right to use the recipient school's name(s) for publicity purposes. The recipient school must confirm by 29 February 2024 when they wish to redeem the online PD session. The online PD session will be run from Term 1 2024 to Term 3 2024 (subject to Felicity Rea's availability, excluding public holidays and weekends).

Terms & Conditions: Please note that we may discontinue offering the exact products that are described in this package. If an order is received for a discontinued product, we may supply you with another product that most closely matches the product offered, but this may differ as to brand and/or manufacturer. Products in the package cannot be changed or exchanged. Product images pictured are indicative only and do not represent contents of the package.