

Knowledge Organizer: Sphero

Year 2/3

<https://edu.sphero.com/cwists/preview/6872x>

<https://edu.sphero.com/cwists/preview/6875x>

<https://edu.sphero.com/cwists/preview/6920x>



Vocabulary

aim, actions, blue tail light, drive, speed, robot, roll

Key knowledge

- Know how to draw shapes that represent code and executing that code using a Sphero robot
- Know how to navigate around an obstacle to better understand how Sphero moves
- Know how to use the sensor data in the Draw Canvas

Skills

- I can identify and describe shapes.
- I can distinguish between two and three-dimensional shapes.
- I can compose simple shapes to form larger shapes.
- I can create and execute a Draw program.
- I can spell words using Sphero.
- I can program Sphero to navigate around an obstacle and return to the start.
- I can create and execute a Draw program
- I can calculate the perimeter of multiple shapes using an equation.
- I can use Sphero's sensors to gather data.
- I can create and execute a Draw program