## Spotlighted unit

Details on a specific unit of work at the school.


| 3 | Build robot | Teamwork to build a clawbot using the VEX educational kit that will be able to pick up an object and perform challenges. Also, this robot is used for team building games and activities. | - Students can work in a team to successfully build a robot | education.vex.com/stemlabs /iq/activities |
| :---: | :---: | :---: | :---: | :---: |
| 4 | Program robot to move and pick up objects | Using programming skills learnt from above to program the real robot to move and pick up objects | - Students can problem solve and work as a team to program their clawbot to move to different rooms and pick up objects | education.vex.com/stemlabs /ig/activities |
| 5 | Program robot to detect objects using sensors | Using programming skills learnt from above to program the real robot to detect objects | - Students can problem solve and work as a team to program their clawbot to detect objects using sensors | education.vex.com/stemlabs /iq/activities |
| 6 | Introduction to programming in the virtual space | Program the virtual robot to move in certain direction and turn to complete the task | - Student can program the virtual robot to complete the task | education.vex.com/vr/ |
| 7 | Introduction to sensors in the virtual space | Program the virtual robot to move and use sensors | - Student can use the robot with sensors to complete various skills and challenges within the virtual environment | education.vex.com/vr/ |

