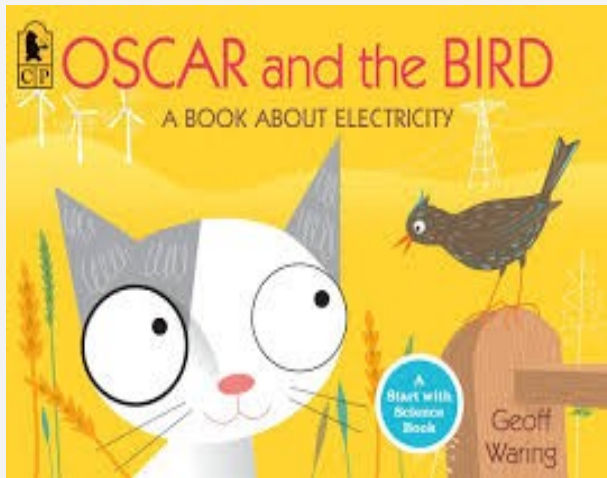


laStory



Experiences and Outcomes:

SCN 0-09a	SCN 1-09a
SCN 0-04a	SCN 1-04a
TCH 0-05a	TCH 1-06a
SCN 2-04a	TCH 2-06a
SCN 2-04b	

DYW link:

Electrical Engineer: design, develop, and test electrical devices and equipment, including communications systems, power generators, motors and navigation systems, and electrical systems for automobiles and aircraft. They also oversee the manufacture of these devices, systems, and equipment.

Robotics Engineer: are responsible for designing, testing, and building robots that are productive and safe to operate as well as economical to purchase and maintain. These engineers use computer-aided

Resources required:

Battery pack
Crocodile clips
Lightbulb
Switch
Micro:bit including circuit kit
Banana or orange
Old electronic objects

Activity/Challenge:

- Create a simple circuit using a light bulb. Experiment with making it more complex and include a switch.
- Have some 'tinkering time' and deconstruct everyday objects e.g. torches, clocks etc. and investigate whether they have a battery or are mains powered. Remove the power cable to provide challenge and to keep it safe.
- Using micro:bits make a 'fruity keyboard'. Follow the instructions on the make code website and demonstrate how fruits conduct electricity. <https://makecode.microbit.org/projects/banana-keyboard>