ABORIGINAL ACCESS TO ENGINEERING
QUEEN’S UNIVERSITY

InSTEM Science Workshops
Synchronous in-class or online!

WHO ARE WE?
We are Aboriginal Access to Engineering, within the Faculty of Engineering and Applied Science at Queen’s University.
We are a small group of Indigenous OCT Certified teachers who aim to teach and engage Indigenous students in STEM.

WHAT DO WE OFFER?
We offer two different types of Programming to meet the needs of your students and school:

Virtual Face-to-Face
- We lead virtual workshop
- 100 minutes of contact and learning time
- 30 minute reflection with assessment sheet

@Home Kits
- Written instructions included
- Students work on their own time

WHAT DO YOU GET?
- FREE Science workshops connected to curriculum
- Material Kits for each workshop
- Hands-on activities
- Assessment checklists for each workshop

BOOK YOUR WORKSHOP TODAY!
ALL MATERIALS PRODUCED AND SHIPPED AT NO COST TO SCHOOLS
Email us to book your workshop!
aboriginal.access.outreach@queensu.ca
CELLS

Am I a Plant or an Animal? A Cellular Dilemma

In this workshop, students will design and create a 3D model of plant and animal cells. They will compare similarities and differences.

WATER SYSTEMS

Water is Life: The Force Flows Through Fluid Dynamics

In this workshop, students will design and create a "Rube Goldberg" device that incorporate elements of fluid flow energy. Concepts of pneumatic, hydraulic and fluid flow will be discussed as well as discussing comparisons to living systems.

SYSTEMS IN ACTION

You Can Add Arm

In this workshop, students will design and create a device that will move an object from one place to another. They will be encouraged to describe the function of each component part, and examine the effects of making a change to one or more of the components. Key concepts and techniques will be discussed, and their designs will be presented.