



Maker Education

Creating authentic learning experiences

The Maker movement

One of the big challenges educators face today is figuring out how to bring what they are teaching to life. Students need challenges that incorporate fun, inspire them to dig deeper and to construct big ideas; making learning interdisciplinary, hands-on and interesting.

Making is a way of introducing STEAM (Science, Technology, Engineering, Arts and Math) education to learners. Concrete experiences provide a meaningful context for understanding the abstract curricular concepts traditionally taught by schools while expanding the world of knowledge beyond the core curriculum.

In Maker Education, students become creators of understanding, not consumers. They become problem-solvers who build to learn, not learn to build. Real science and engineering is done through the projects students develop and construct. Students need the tools and experiences that actual scientists and engineers use, and now is the time is to bring these tools and learning opportunities into classrooms.



Authentic learning experiences

We are proud to support this learning initiative created by the Calgary Board of Education (CBE) that brings a cohort of educators together to investigate how they could integrate Maker Education in their curriculum.

The CBE offered learning opportunities for participants to explore maker education where they were encouraged to utilize a variety of different information

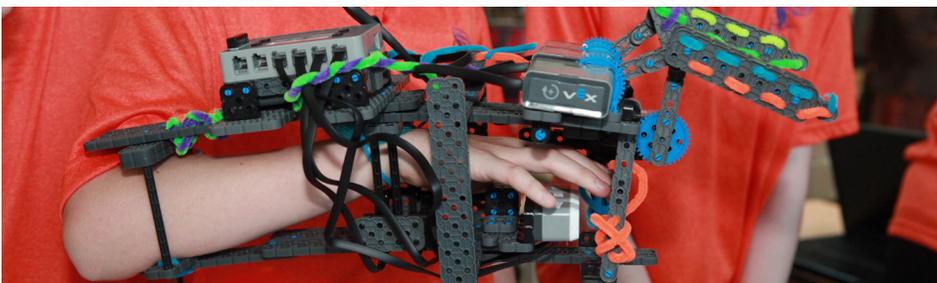
resources and work across disciplines to collaboratively come up with solutions.

Twelve Mile Coulee School was one of the first schools to participate in a CBE pilot project where educators were able to bring Maker kits to their classrooms. A Grade 5 class through a design challenge where they applied big ideas to discover the impact of water systems.

The students were challenged to find new ways to design water systems to prevent flooding.

Continuing collaborative learning

Thanks to community support, over 10,000 students have explored Maker Education! With your help, we can make this innovative way of learning accessible to more CBE students!



Support this initiative by providing maker kits to allow educators to integrate makers education into their learning environments! Contact us to find out how you can be involved!