

Dr. Shannon Messian <smessian@mtltdu.ca>

Subject: Re: Kitikmeot Teachers' Conference

Hi Shannon

Below is a list of workshops that we could offer - presenters are bilingual (English/French). Let me know next steps

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Sandra Corbeil

Director | Directrice

Strategic Partnerships and Networks | Partenariats et réseaux stratégiques

Ingenium - Canada's Museums of Science and Innovation | Musées des sciences et de l'innovation du Canada

Ottawa, Ontario

613-371-2394

Pronouns: She/Her | Pronom: Elle

IngeniumCanada.org



The following could be offered any day, and could be offered more than once. One A workshops can run concurrent to one B workshop

A1 - Thinking Like a Scientist hands on workshop

Ideal for elementary teachers

Works well for groups 15-35 in size but could handle a few more participants

In this hands on workshop we demystify the process of science, empower the participants to see this process clearly, to use it and provide classroom-ready resources to do the same with their students. We use a number of activities to explore good skills and explore the difference between observation and inference. Scientists make

careful observations and use logic to draw reasonable conclusions, and they make inferences from observations to gain an understanding of the world.

A2 - Widget Workshop

Ideal for elementary teachers

Widgets are fun and simple activities that can be done with elementary school students to illustrate science concepts. Some of the widgets we love to share are: Screaming balloon (sound), density column (matter), making a compass (magnetism), scribbling machine (simple circuits), and reversing arrow (light), Squishy Circuits (electricity), Paper circuits (electricity).

A3 - 3D resources - Zoetrope

Ideal for elementary teachers - younger grade teachers esp. love this

Using a 3D printed zoetrope (the school could print a few of these for us) we explore the intersection of art and science with a historic object called a zoetrope. Exploring persistence of vision we can create animations and have fun with creativity.