

# Over 10 Million Young Scientists Inspired Since 1989



**SCIENTISTS**  
IN SCHOOL  
**SCIENTIFIQUES**  
À L'ÉCOLE

Scientists in School is a high impact Canadian education charity, dedicated to establishing a strong foundation of science and innovation among Canadian youth.

**We strive:**

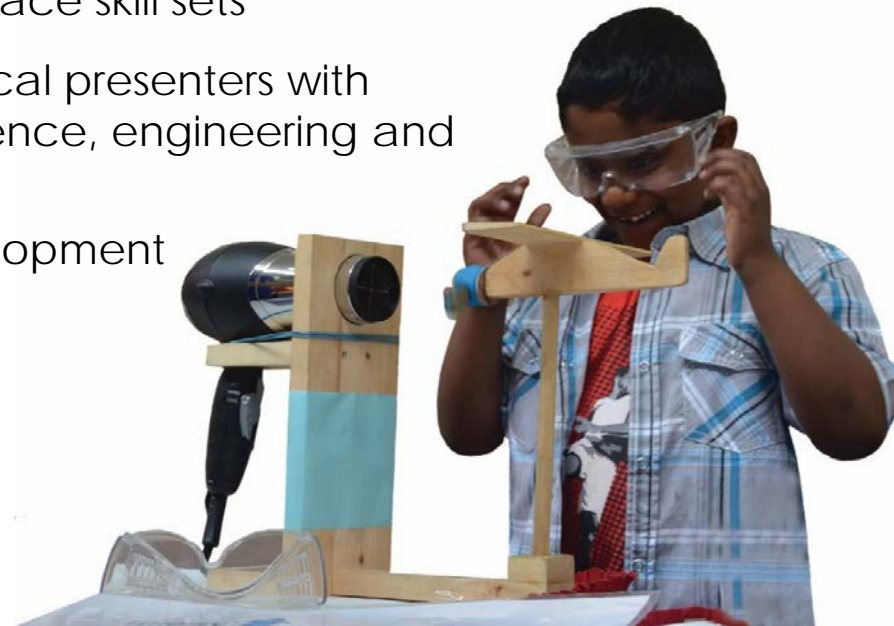
- **For youth**, increased interest, confidence, engagement, and understanding of the relevance of STEM in the world around them.
- **For elementary teachers**, a professional learning opportunity that helps build knowledge and confidence, and enrich STEM teaching practices



# Scientists in School: The Fieldtrip that Comes to You

Traditionally, students from Kindergarten to Grade 8 become “scientists in school” during classroom and community workshops that are:

- Half-day, hands-on, investigative, curriculum-aligned, and FUN
- Connected to today’s real world and current topics
- Reflective of needed 21<sup>st</sup> century workplace skill sets
- Delivered by a team of highly-trained local presenters with degrees and career backgrounds in science, engineering and technology
- Supportive of teacher professional development



## Our Pivot

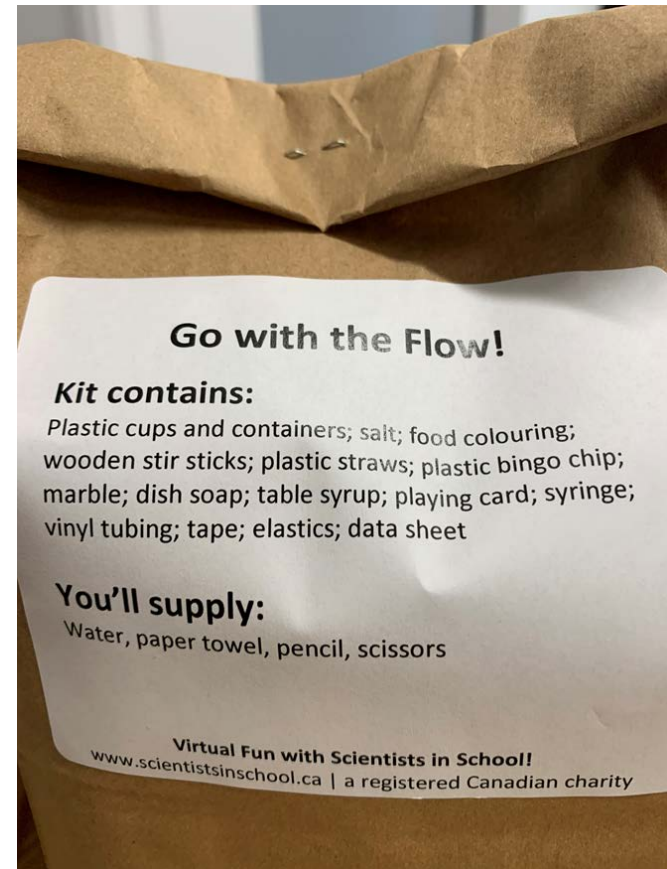
- Like so many organizations, we were challenged by the COVID-19 pandemic to reimagine our model of youth engagement. This year we are working towards our mission and vision virtually.
- Virtual workshop delivery model launched in June 2020 in response to COVID-19 closures and restrictions
- To-date, 6 community workshop topics and 15 classroom workshop topics have been developed. Goal is 35 topics by spring 2020.
- Launched:
  - 4-week STEM clubs,
  - Family Science Nights,
  - Birthday and holiday parties
  - Corporate family-friendly events.
- Continue to be focused on equity within the Ottawa School Boards through our Adopt-a-School and Lift-a-School models
- Acknowledge that schools are navigating continuous and sizable challenges and constant change.



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## NEW from Scientists in School!

Curriculum-Aligned **VIRTUAL STEM Workshops** with individual mini science bags for each student delivered ahead to the school





# What's Inside a Mini Science Bag?

Topic Specific Materials for Each Student to Use During the Workshop, and to Keep for Future Exploring

*Very fun, very engaging, like a treasure box with live instructions to follow. My son said he would definitely tune in for science if it was like this every day! ~ Parent*





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# Virtual Synchronous Learning

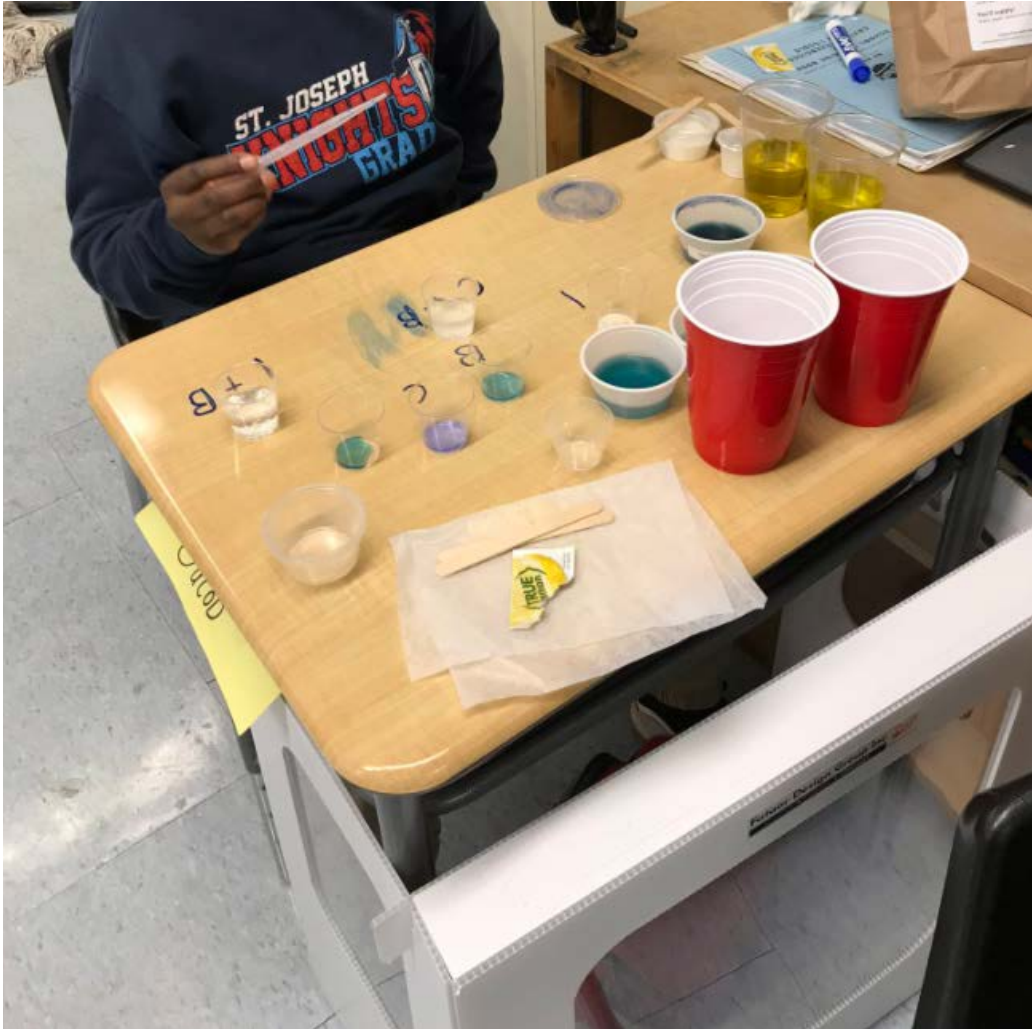


*Thank-you so much for today's presentation. Initially when I heard Scientists in the School were offering virtual workshops I did not have high expectations of student engagement. Your presentation today proved me very wrong. My students were very engaged despite some initial technical difficulties on our part. Anita, our presenter had a fantastic manner and the workshop was extremely well organized. Timing was perfect. We thoroughly enjoyed participating! Thank you so much!*  
~ Grade 5/6 teacher, Toronto



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# Materials, Results and Analysis



*Even in its virtual format, Scientists in School remains my students' favourite workshop. It is the most engaging way to introduce a new science unit or to review and expand on the subject at the end of the unit. ~ Grade 7/8 teacher, Conseil scolaire Viamonde*





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# Bring STEM experiences to your School Community

- Provide a virtual Scientists in School Workshop for each classroom
- Host a virtual Family Science Night
- Share our STEM Club and Birthday Party programs with your school community





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# Virtual Classroom Workshops

- Individually packaged investigative materials provided in advance
- Kits are delivered to the school
- Fun and relevant investigations
- 60-minute synchronous workshops via secure on-line platform
- Single (in-person) or multiple (remote learners) connections
- \$220 per classroom (27 students; extra kits available)
- Over 15 Topics available in English and French\*



# Virtual Family Science Nights

- Families do science together in an interactive and hands-on manner
- An evening of Candy Chemistry – discover the science hiding in a bag of Skittles!
- Experiments accommodate different grade levels and ages
- Four live, dynamic, interactive 60-minute sessions
- Each session can accommodate 15 family connections.
- Secure delivery through Teams
- E-posters provide to help promote your event





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# Virtual STEM Clubs and Birthday Parties

- 4-week virtual STEM Club
  - 4 workshops exploring physics, kitchen chemistry and candy science.
  - Materials sent to your door
  - Two clubs to choose from
  - Special March Break program
- Party Like a Scientist!
  - Candy Chemistry
  - Individual Science Bags for each guest
  - Customized e-vite
  - Special gift for birthday child





# Scientists in School and the OCDSB Working Together To Achieve Greater Impact

