News From
STEMVision Inc.
Empowering the Next Generation in STEM
Volume 1
Issue 2

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Summer 2020

Inside This Issue:

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Our Journey During Summer 2020

It is in moments of delight or surprise that we delve into innovative ideas, rethink, reimagine, renegotiate, and retool our lives while engaging in ways to grow ourselves and serve our community. The last few months have been very uncertain with COVID-19, social unrest, and uncertainties with social distancing, and to add on to that, the closure of schools and summer camps. But it is in these crossroads of confusion and fluid times, we grew our organization from its inception and infancy to the next level. We were able to achieve this with the support from all the community members.

We created STEMVision Inc. with a philosophy to empower individuals with the basic skills to succeed and adapt to this increasingly complex, changing, technological world. STEM is intended to lead to innovation necessary to sustain our economy. This transformation and science literacy depends on a solid knowledge base in STEM areas. The passion for these subjects certainly needs to be cultivated early in the academic roadmap. To nurture this passion, we started classes for Science, Technology, and Mathematics, and our sessions widened in diversity and population.

Our team expanded to have a global presence in France and India. Camille and Yacoub enrich our team with their French insight and are gearing up to teach French lessons to our US audience. Jon is an outstanding asset for our USA team and started the Java lessons that became popular. Aruna and Anika are stellar in connecting with young kids and engaging them in science and math. We have been busy with our wide range of sessions such as competitive Math, Python, Biology, Chemistry, and EV3. Simultaneously, we have been focusing on expanding our team and pivoting our partnerships in building a learning community.

In our classes, we wander with our students through the terrain of STEM. At times, the content we present, and the conversations students provoke, challenge us to explore our own inner landscapes. These moments urge us to reflect on the kind of academic mentor we have been and the kind of professional we are becoming. The positive and encouraging feedback and suggestions from several organizations that responded to our request for partnership helps us in our marketing and offer ample opportunities for new strategies and ideas in conversations during our conferences.

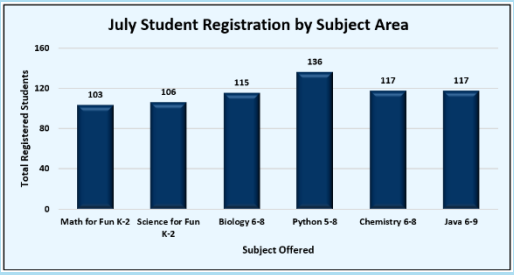
We measure our matrix of success with the enthusiasm of our students for STEM passion. These young minds do flourish with more eagerness, more engagement, and more commitment to problem solving. STEMVision is consistently finding creative solutions to roadblocks and aiming to foster success in learning.

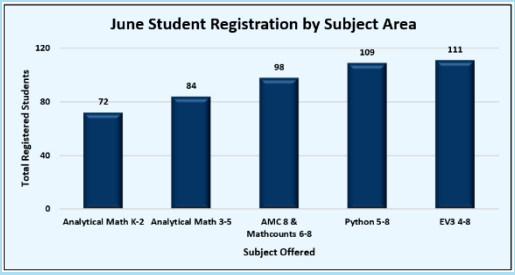
We are thankful to our community partners - AMRoC, Kiwanis, FLATE, and Made in Florida - for their steadfast support and constant encouragement. In a few weeks we will go back to school, but STEMVision will continue to serve our community for STEM learning and building the ethos of “Imagineering.”

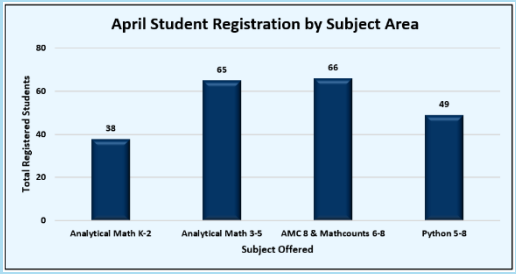
Our Impact to Community Success

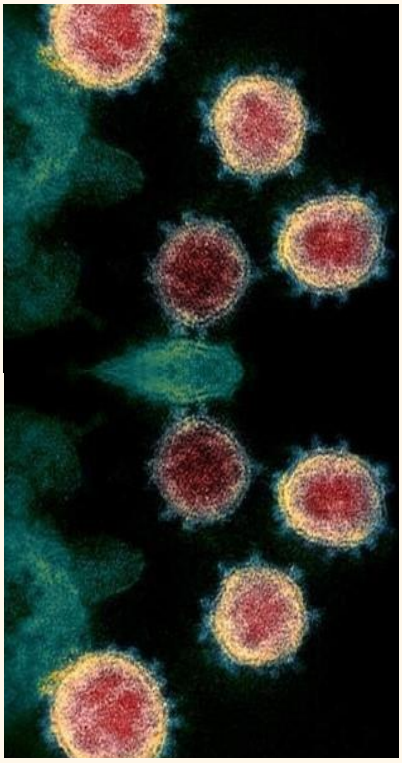
April - July Statistics

- Total sessions offered – 15
- Total students enrolled – 1,386
- Students attending sessions from - USA, Canada, India
- Facebook friends – 1,263
- Facebook likes – 264
- Community partnership outreach - 4
- Website visitors – 4,502
- Bilingual website – English & French
- Total hours spent on webinars (material preparation & conducting classes) – 720 hrs









An Article for Everyone

The genetic sequence of SARS-CoV-2, the coronavirus that causes COVID-19, was published in January 2020, triggering intense global Research &Development activity to develop a vaccine against the virus. As of July 2020, the global COVID-19 vaccine Research &Development landscape includes 115 vaccine candidates, of which 78 are confirmed as active. Given the imperative for speed, there is a race to get the vaccine to the global community at our earliest. The most advanced candidates have recently moved into clinical development, including Moderna, CanSino Biologicals, Inovio, and Janssen, Sanofi, Pfizer, and GlaxoSmithKline.

A striking feature of the vaccine development landscape for COVID-19 is the range of technology platforms being evaluated, including nucleic acid (DNA and RNA), virus-like particle, peptide, viral vector (replicating and non-replicating), recombinant protein, live attenuated virus and inactivated virus approaches. It is conceivable that some vaccine platforms may be better suited to specific population subtypes (such as the elderly, children, pregnant women, or immunocompromised patients). Strong international coordination and cooperation between vaccine developers, regulators, policymakers, funders, public health bodies, and governments will be needed to ensure that the vaccine candidates can be manufactured in sufficient quantities and equitably supplied to all affected areas, particularly low-resource regions.

Sources - Thanh Le, T., Andreadakis, Z., Kumar, A., Gómez Román, R., Tollefsen, S., Saville, M., & Mayhew, S. (2020). The COVID-19 vaccine development landscape. Nature reviews. Drug discovery, 19(5), 305–306.

Upcoming Webinars for STEM

August– **FREE** Webinars for French, Python, Science, Analytical Math, Biology, and Java.

Check out our website at https://www.stemvision.org/ as we are constantly updating information for upcoming sessions and registration.

Snap! Crackle! Brainteaser!

What is the sum of 1 + 2 + 3 +……+ 98 + 99 + 100?

Answer: 5050

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