



THE INCREDIBLY INFORMATIVE

# SO: ONLINE SURVIVAL KIT 2021

FOR PARENTS AND GUARDIANS  
EVERYWHERE

# WHAT IS SCIENCE QUEST?

Founded in 1988, Science Quest is a not for profit science, technology, engineering, and mathematics (STEM) based program operated on the campus of Queen's University in Kingston, Ontario. Science Quest provides STEM educational programming for youth aged 4-14 in and around the Kingston community. Science

Quest strives to engage and empower youth through our educational in-classroom workshops, summer camps and school year sessions, all of which work towards sparking an interest in STEM within the 5500+ youth we reach annually.



## SUMMER 2021:

Due to the decision by Queen's University to cancel in-person youth camps, we decided to go ONLINE! Our online platform will allow campers to interact with instructors and campers LIVE. All camp activities will only use commonly found house-hold items so everyone can participate! The six camps we will be running are Kinder Creators, Junior Thinkers, Girls Quest, Tech & Coding Camp, and Robotics Camp, and Science & Engineering Camp.

# OUR DIRECTOR TEAM!

## MICHAELA

Head Director  
Kinesiology 2022



Born in the center of the universe, Michaela can predict the future — right now she is even predicting you are reading her bio. And now, she is predicting that you don't believe that she can predict the future, but she actually can. Because of her mega-mind mastery, she stays up to date with all news relating to the epitome of genius: Taylor Swift. Entering her fourth year of kinesiology, Michaela wishes to find the cure to all body aches. This year she wishes to share the secrets of science with all our summer campers.

## JEREMY

Business Director  
Electrical Engineering 2023



Jeremy materialized in a flash of smoke in a spaceship orbiting Saturn and came to Earth on a 746-million-mile Uber Space. This past year Jeremy has been working hard developing this year's budget while inventing math in his free time #sidehustle. Now entering his third year of electrical engineering Jeremy can't wait to share his knowledge of math and engineering to this year's campers.

## CONNELL

Marketing Director  
Civil Engineering 2023



Born on the side of a mountain like a Billy goat, Connell learned the arts of rock climbing early, and spends his time climbing terrain such as Mount Olympus. His morning routine consists of ten million consecutive chin-ups to maintain his rock-climbing abilities. Entering his third year of civil engineering, when he's not restoring antique vacuums, Connell wishes to share his knowledge of civil engineering and teach the campers how to be world-renowned Technology Masters.

# OUR INSTRUCTOR TEAM!

Our summer team is comprised of 3 directors and 8 instructors. All staff are highly trained Queen's University students who are studying science or engineering but, most of all, are a ton of fun and super excited to spend the summer at camp! Our instructors create all the camp programming on their own with oversight from the director team, so don't be afraid to ask them about it!

## MAYA

French Instructor  
Biomechanical Engineering 2023



After winning the World Doggy Paddle Championships at Kashwakamak Lake, a curious Maya stumbled upon a magical oat milk container washed up on the shore. She rubbed it 10 times, and an apparition resembling Paolo Nutini granted her greatest wish: a complete Youtube catalogue explaining everything she will ever have to do for the rest of her life. However, the skill of riding a bike is difficult to learn from Youtube and has continued to elude her.

## NICK

Inclusion Instructor  
Civil Engineering 2023



After a brief period living in the woods in order to elude parking enforcement, Nick emerged with a tamed water buffalo and a loyal following of monarch butterflies.

As a Civil Engineering student, Nick single-handedly designed and constructed The Guggenheim with his bare hands. With a stage presence that rivals the great Gwen Stefani, his go-to karaoke song is Jar of Hearts by Christina Perri, which he has memorized in 6 different languages (including 2 dialects of gibberish).

## MAX

Curriculum Coordinator  
Physics 2021/Education 2022



As a young child, Max gave great grandpa Einstein the key to the theory of relativity by spelling it out in Alphabits. After discovering literally everything there is to know about physics, Max pursued the art of baking. The judges were so impressed with Max's trifle, they appointed them mayor of a small village built entirely by Max using Peruvian pearwood. The only law in the village was to replace the toilet paper roll when empty, or be banished to live on Mars with all of Taylor Swift's ex-boyfriends.

# REBECCA

Curriculum Coordinator  
Psychology 2022/Education 2023



With her Irish cream americano in hand, Rebecca is responsible for performing the Dutch national anthem on her accordion every morning to be projected across the nation. Proost! Her melodies grace the mountain tops where her castle resides, in which she has used her knowledge of pulleys to create an elaborate zipline to help her traverse her massive library. The library contains thousands of books encompassing every piece of knowledge surrounding human psychology, all of which were authored by Rebecca.

# SAMMI

Instructor  
History 2021/Education 2022



Although Sammi and her friends have absolutely no talent, you'll catch them jamming out too loud (and out of pitch) to everything 2000s. There are seven wonders in the world yet nothing tops how all of Sammi's stuff ~mysteriously~ ends up in her sibling's rooms. As the youngest of six siblings, find her always being pushed off sidewalks and walking behind everyone else. You can also find her starting sentences without knowing where they're going and showing up late everywhere (unless there's sandwiches involved)!

# JACOB

Instructor  
Computer Engineering 2024



After mastering the art of customer service at No Frills, Jacob launched himself into the spotlight as a main character on the hit show "Superstore". Jacob is also an app developer, quite possibly comparable to Bill Gates. As a computer engineering student, Jacob is currently designing an app that will constantly annoy his roommates until they have cleaned up after themselves. At a staggering 5 foot 6, the only way that Jacob could ever fulfill his dream of dunking a basketball is by doing it in a video game.

# ANDRE

Instructor  
Biomechanical Engineering 2023



After years of constant harassment for his undeniably similar appearance to Will Smith, Andre fled to New Zealand to become a hermit, and use his Bio-Mechanical engineering skills. To distract himself from the forever unanswered question of a chicken's intentions at a crosswalk, Andre drowns out the pain with karaoke. It was in the New Zealand Hermit Karaoke Club that Andre first befriended David Copperfield. Together they built a Las Vegas magic empire and a lifelong friendship.

# ASHLEY

Instructor  
Biology 2024/Education 2025



Although she will never understand whether the chicken or the egg came first, Ashley is determined to become the next Charlie D'Amelio so watch out for her on your FYP. She spends a bit too much time on TikTok when she really should be studying for Biology, but her knowledge of the latest trends will help her relate to her students when she becomes a future teacher. Despite her dancing skills, Ashley cannot sing, even if she pretends she can while rocking out to Hannah Montana / High School Musical bops.

# CAMP SCHEDULE

	Monday	Tuesday	Wednesday	Thursday	Friday
9:00	AM Camp Welcome	AM Camp Welcome	AM Camp Welcome	AM Camp Welcome	AM Camp Welcome
9:15	Intro to SQ	Experiment	Experiment	Experiment	Experiment
9:30	Intro to SQ	Experiment	Experiment	Experiment	Experiment
9:45	Intro to SQ	Experiment	Experiment	Experiment	Experiment
10:00	Intro to SQ	Experiment	Experiment	Experiment	Experiment
10:15	Intro to SQ	Experiment	Experiment	Experiment	Experiment
10:30	Transition	Transition	Transition	Transition	Transition
10:45	Experiment	Experiment	Experiment	Experiment	Experiment
11:00	Experiment	Experiment	Experiment	Experiment	Experiment
11:15	Experiment	Experiment	Experiment	Experiment	Experiment
11:30	Experiment	Experiment	Experiment	Experiment	Experiment
11:45	Experiment	Experiment	Experiment	Experiment	Experiment
12:00	Sign off	Sign off	Sign off	Sign off	Sign off
1:00	PM Camp Welcome	PM Camp Welcome	PM Camp Welcome	PM Camp Welcome	PM Camp Welcome
1:15	Intro to SQ	Experiment	Experiment	Experiment	Experiment
1:30	Intro to SQ	Experiment	Experiment	Experiment	Experiment
1:45	Intro to SQ	Experiment	Experiment	Experiment	Experiment
2:00	Intro to SQ	Experiment	Experiment	Experiment	Experiment
2:15	Intro to SQ	Experiment	Experiment	Experiment	Experiment
2:30	Transition	Transition	Transition	Transition	Transition
2:45	Experiment	Experiment	Experiment	Experiment	Experiment
3:00	Experiment	Experiment	Experiment	Experiment	Experiment
3:15	Experiment	Experiment	Experiment	Experiment	Experiment
3:30	Experiment	Experiment	Experiment	Experiment	Experiment
3:45	Experiment	Experiment	Experiment	Experiment	Experiment
4:00	Sign off	Sign off	Sign off	Sign off	Sign off

**This year, all camps are half day!**

**Kinder Creators, Science & Engineering, and Robotics are in the morning!  
(9:00am-12:00pm)**

**Junior Thinkers, Girls Quest, and Tech & Coding are in the afternoon!  
(1:00pm-4:00pm)**

**Our days are filled with super cool activities and experiments that are hand-crafted by our instructors! Campers will be led through the experiments and activities, which use household materials (materials list is on the next page), by our instructors and will learn about the STEM seen all around us every day!**

**Transitions: Take a Body Break, Grab a Snack, Take a Bathroom Break, Ask your Instructors Questions!**

# ***MATERIALS LIST + ZOOM LINK***

## **Zoom Link:**

Topic: Science Quest Home Base

Time: This is a recurring meeting Meet anytime

Join Zoom Meeting

<https://queensu.zoom.us/j/99216780602?pwd=RkR6NStPQzkxZkY0UmJWZWlIOHVUZz09>

Meeting ID: 992 1678 0602

Passcode: 023534

## **Materials List:**

We are doing (optional) material pick-ups this year! These material pickups will be curbside drive-by pickups in the parking lot of Beamish-Munro Hall on Queen's University campus (45 Union Street, Kingston, ON). Pick-ups will be no-contact and will comply with all COVID-19 protocols (please email [info@sciencequest.ca](mailto:info@sciencequest.ca) for a full Protocol Outline or if you have any other questions).

# ***USING OUR ONLINE PLATFORMS***

## **Google Account**

If we need to make announcements or hand out camp information/activities, we will use Google Classroom. Google Classroom will require a Google Account (Gmail) for each registered camper. We suggest the Google account's DISPLAY NAME be your camper's first name and the last name be their last initial – this is so we know how to address them during online interactions. Only Science Quest staff and directors will have access to camper email addresses.

**\*IMPORTANT NOTE: Once we add your child to the classroom, an invitation will be sent to your child's Gmail account. Accept it to access the classroom\***

## **Google Classroom**

When you enter the classroom, you will be on the Stream page. Along the top bar, you can click on the following tabs: "Stream", "Classwork", "People", and "Grades". The Stream tab shows all the posts from instructors in chronological order. You can access all our posted content at any time until September 2021. The Classroom tab sorts the content by week and theme.

## **We Encourage Engagement!**

We greatly encourage interaction and participation! Send us pictures of your creation at [marketing@sciencequest.ca](mailto:marketing@sciencequest.ca) or use the hashtags #SQKinderCreators #SQJuniorThinkers #SQGirlsQuest #SQEngineering #SQTech #SQRobo on Instagram and Twitter for the chance to be posted on our social media!

Our instructors would love hear from you.

## **Monitoring the Classroom**

Our instructors will closely monitor the Google Classroom to answer questions and respond to comments, however we encourage live engagement on Zoom!

## **Zoom**

Zoom will be the platform that we host our daily Online Camp! The Zoom link can be found on page 7 of this camp package. We will use the same Zoom link for the whole week of camp. You can join via internet browser or the Zoom app on your computer or mobile phone. Please make sure your child's display name is the first name and last initial so we know how to address them!

## **Zoom Fatigue**

All of our campers, instructors, and directors will be on the Zoom call but will be seperated into respective camps with the Breakout Room function. This means that at any point, if a camper feels uncomfortable or just needs a break, they can leave the Breakout room and automatically be added to the Main Room with the directors. Our directors are always available to chat or hang out if a camper needs a break!

# ***CAMP RULES!***

## **Zero-Tolerance Bullying & Violence Policy:**

Any deliberate acts of bullying or violence towards other campers or instructors will result in the immediate removal of the camper from the Google Classroom. This includes comments, live interactions, and emails. Campers' reintegration into their Google Classroom will be at the discretion of the Science Quest Directors.

## **3-Strike Policy:**

Science Quest has a 3-strike policy for rule violations. A camper will receive a strike after multiple warnings about a given behavior. After the 2nd strike, campers will speak to the director team and you will be notified at the end of the day. After 3 strikes, the camper may be sent home (depending on the severity of the infractions).

## **Science Quest ensures that every camper has the best possible experience by using the following set of camper rules:**

- I listen to my instructors
- I am here to have fun
- I am here to be safe
- I am kind to everyone
- I keep myself muted unless called upon
- I use the 'raise hand' function when I'd like to speak
- I know I can ask my instructors for help
- I ask my instructors when I need to leave the room

**Science Quest is not responsible for any damage or injury incurred while participating in our online content.**

## **Online Camp:**

Children must be verbally "signed in" and "signed out" by the child's parent/guardian or an approved individual during any live sessions.

# ***MEDICAL AND OTHER EMERGENCIES***

The following procedures will be followed in the unlikely case of an emergency during ***Virtual Camp***:

One Science Quest Instructor will immediately deal with the situation accordingly. The guardian will be called for if not present, and EMS will be contacted if necessary. The Instructor will lead the guardian or child through the appropriate First Aid procedures.

The other Science Quest Instructor will contact the Director Team immediately. Both Instructors will fill out an incident report.

# ***ACCESSIBILITY AND INCLUSION***

At Science Quest we strive to make our camps accessible and inclusive to campers of all abilities. All instructors are trained in accessibility in addition to having two Inclusion Instructors, who have additional training and knowledge with regards to working with children with special needs. Science Quest designs all activities with the abilities of all children in mind, and include accommodations in the videos or written lessons if required.

For more information about this please email [info@sciencequest.ca](mailto:info@sciencequest.ca) or talk to Nick our Inclusion Instructor.

# ***QUESTIONS?***

Do not hesitate to contact our office at any time, we would be happy to answer your questions and listen to your feedback!

Operating hours: 9:00am – 5:00pm

Email us at: [info@sciencequest.ca](mailto:info@sciencequest.ca)

Or visit us online at: [www.sciencequest.ca](http://www.sciencequest.ca)