



FOR CHILDREN  
AGED 6 TO 12

2019

SCIENCE AND  
ENGINEERING  
**SUMMER CAMP**

GUIDELINES

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**CIADI SUMMER SCIENCE AND  
ENGINEERING CAMP GUIDELINES**

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**CIADI SUMMER SCIENCE AND  
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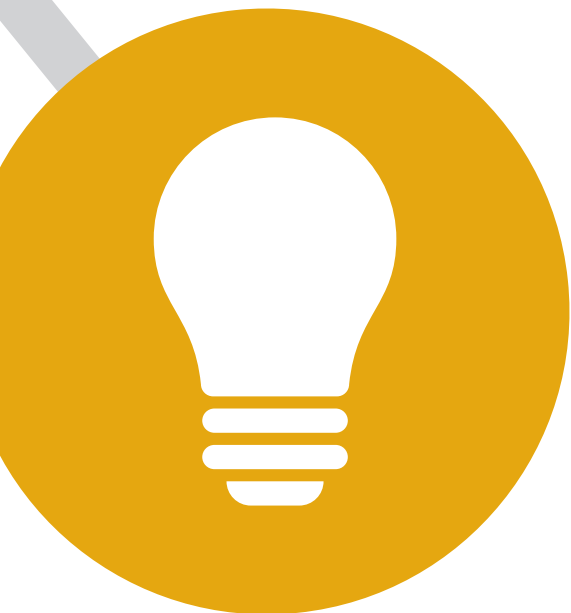


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## CIADI SUMMER SCIENCE AND ENGINEERING CAMP GUIDELINES

The Concordia Institute of Aerospace Design and Innovation (CIADI) and Concordia's Faculty of Engineering and Computer Science (ENCS) and are excited to offer the CIADI Summer Science and Engineering Camp. We will be offering, FOR CHILDREN AGED 6 TO 12, an exciting series of activities, experiments and off-site visits that will pique your curiosity in science and engineering!

### STAFF

Our camp will be staffed by students and staff with prior experience as counselors and/or teaching.

### COMMUNICATION INFORMATION

In case of an emergency or illness, or should you wish to contact the camp during the camp day, please call during camp hours: Monday to Friday from 9:00 a.m. to 4:00 p.m.

### SUMMER CAMP OFFICE

1515 Ste. Catherine West, room EV.12.108

If there are specific concerns (i.e. registration info, payments, concerns about camp) please contact Carla Ravazzano.

SCICAMP@algol.concordia.ca

Tel.: 514-431-7177 or

514-848-2424 ext. 2338 or 4892

Drop-off and pick-up times are good times to briefly discuss any pressing issues. If you would like to discuss a private matter, please contact us to schedule an appointment.

### HOURS & LOCATION

Monday to Friday 9:00 a.m. - 4:00 p.m.

Extended hours: 8:00-9:00 am and 4:00-5:00 pm

Concordia University, EV Building,

1515 Ste. Catherine St. West

Montreal, Quebec H3G 1M8

Room TBD

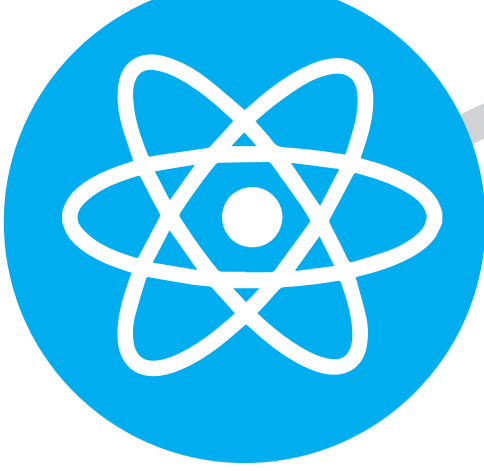
### DAILY ACTIVITIES AT CAMP

The program schedule is available at the end of this document (subject to minor modifications).

The camp will provide an enriching experience through experiments, outdoor play, and special events.

### FIRST DAY CHECK-IN

On the first day of camp, check-in will begin at 8:00 a.m. Parents are encouraged to sign their child(ren) in on the first day of camp. If you are unable to pick up your child on any day of the week, please inform our staff, and a note will be made on the sign-in/out sheet.



## **EXTENDED CARE SERVICE**

Campers using the extended care service must be registered for the program. The extended care program will be available from 8:00-9:00 a.m. & 4:00-5:00 p.m. All parents/guardians are required to sign their child in and out, for safety and control purposes. For security reasons, only those authorized may pick up a child. If someone else is picking up your child, please inform the camp office upon arrival.

- Price of extended care: 35\$ per week, 8\$ per day, for either/or morning/afternoon service.
- Morning extended care: 8:00-9:00 a.m.
- Afternoon extended care 4:00-5:00 p.m.
- NOTE: Extended care closes at 5:00 p.m. Please note that a late fee of \$5 per interval of 10 minutes will be charged after 5:00 p.m. All fees can be paid by cheque only at the end of the camp.
- Drop-off: Parents can drive in front of the entrance of the EV Building (corner Ste. Catherine and Guy) to drop off their child between 8:00 and 9:00 am with the summer camp staff members who will escort the child inside.

- Departures: Upon departure, parents or guardians will be required to sign their child out for the day. Only those who are authorized to pick up your child will be allowed to sign a child out. Those who are authorized to pick up your child will be asked to present a valid photo ID when signing your child out. Only the authorized parents or legal guardians will be allowed to add someone to the list of authorized people. Any such additions must be arranged with the camp administration in advance. Parents who arrive early will be asked to wait for their child in the athletic complex lobby. Please inform the camp coordinator if your child(ren) is allowed to leave camp on their own at the end of the day.

## **ABSENCES & LATE POLICY**

If your child is going to be late or absent from camp for the day, you are required to call the office before 9:00 a.m. Please leave a message with your name and your child's name as well as the days they will be absent.

Attendance will be taken at the beginning of the day and the counselors will report any absences so that the camp can confirm a child's absence or determine where the child is. If there is no phone message, you will be contacted regarding your child's absence. This will help us ensure the safety of your child.

## MEDICAL

If your child has any medical conditions (asthma, allergies etc.) or any changes to a medical condition, we need to be notified at the beginning of camp. Children must always have their medication with them. For safety reasons, they will not be allowed to attend camp without their medication. Your child must be able to administer their own medication without assistance.

All medication must be accompanied by clear instructions on when it needs to be taken and how it is to be administered.

If your child becomes sick or has a medical emergency while at camp, you will be contacted and, if deemed appropriate, may decide whether or not to come and pick them up. Should there be an emergency involving your child, you will be contacted as soon as possible following the notification of any necessary emergency personnel.

Severe weather, heat, sun and rain: In order for children to enjoy each day, they should arrive with appropriate items. This can include: rain gear, a sweater or hoodie for cool weather, sunscreen, etc. All items should be labeled with your child's name. Staff will monitor the children in their group and remind children to reapply sunscreen if needed. During severe weather conditions, programs will be modified to ensure camper safety. In-class activities will be provided in order to accommodate programming changes. Depending on the age of participants, activities may continue outside during light rain. Staff will encourage the frequent drinking of water throughout the day.



## SICKNESS POLICY

If your child(ren) is sick during camp, you will be contacted and asked to come and pick them up. If you are not available, we will call the emergency contact. If your child is sick, please refrain from sending them to camp.

## CHILDREN SHOULD BRING THE FOLLOWING ITEMS

Backpack (labeled with their name): A waterproof and durable backpack should be provided for your child. Please ensure the backpack is an appropriate size for your child and that his/her name is written on the inside of the backpack.

**Lunch and snacks** (lunch box labeled with their name).

- We ask you to send your child with lunch and healthy snacks for the day. The camp is a nut-free. Please refrain from sending your child with lunches and snacks that may contain nuts. Campers are not allowed to share food.
- Lunch (nut-free) and snacks (for morning and afternoon)
- Morning snack 10:30 -11:00 a.m.
- Lunch 12:00 – 1:00 p.m.
- Afternoon snack 3:00-3:30 p.m.



## **Clothing**

- All campers will receive a complimentary t-shirt (subject to budget availability)
- All campers are expected to wear camp t-shirts each day of the camp
- It is important for your child to come with the appropriate clothing for the sports in which they will be participating. Children should bring their running shoes as well as the shoes for the appropriate sport on days where they will go to the Loyola sports camp. Please make sure that all your child's clothing is clearly identified. We ask that children bring sunscreen to the camp. Children should also come to camp with a water bottle as they will be active and will need to stay hydrated. We will inform participants about what to bring during those outings.

## **PERSONAL ITEMS**

Children should not bring electronic devices or anything of value to camp. The camp will not be responsible for any lost, broken or stolen items. Any items that are brought to camp must have the camper's name clearly indicated on them.

## **FIELD TRIPS AND OUTINGS**

During the summer camp, a few field trips are planned. These are indicated in the schedule. Outings may be added or canceled if necessary; parents will be notified in such cases.

## **BEHAVIOUR**

- All groups must meet and stay together as a group each morning.
- Basic behavioural expectations are explained to all the participants. Campers must respect these guidelines at all times.
- All members of the group must listen to the group leader's instructions.
- All members of the group are expected to treat their peers with respect and allow them to enjoy themselves.
- Physical contact of any kind is not allowed, and will be reported to a senior member of the staff.

In case of an emergency, our camp coordinator or another staff member will contact parents or legal guardians as identified on the registration form. It is important to complete and update your medical forms - including emergency contacts - prior to the first day of camp.

Campers are expected to behave in a way that makes the whole group feel comfortable and safe. Bullying of any sort will not be tolerated. Camps will function on a three-strike policy. The first strike will involve the leaders talking to the child and also informing the parent/guardian about the incident. Children who get a second strike will meet with the camp coordinator, who will discuss the matter with you. A third strike will result in dismissal. Strikes will be given at the leaders and the camp coordinator's discretion.

## PARENTAL CONDUCT

Waivers: All parents are required to sign a *Parental Release and Waiver of Liability*. The waiver has to be signed and delivered to the summer camp office **before** the first day of camp:

By e-mail: SCICAMP@algor.concordia.ca

By fax: 514-848-7890

In person: 1515 Ste. Catherine West,  
room EV. 12.108



## PAYMENT POLICY

Payment in full is required at the time of registration. Payment must be made by cheque only.

## REFUNDS & CANCELLATION POLICY

The occurrence of the camp is subject to there being sufficient registration to render the running of the camp feasible, at Concordia University's sole discretion. Concordia University shall be entitled to cancel the camp should it be of the opinion that continuing the camp's activities is unreasonable, for financial reasons or otherwise. Should the camp be cancelled, any amounts paid for services not rendered shall be reimbursed. Concordia University shall not be liable for closing the camp for any reason.

No refunds will be provided for any reason unless the camp is cancelled by Concordia University, as more fully set forth above.

Campers who are unable attend camp due medical reasons will require a medical certificate.

Our leaders seek to provide an excellent experience for your child during their time at camp. If you have an issue that needs to be addressed, we invite you to discuss this with the leaders in a manner that is appropriate and respectful. If you would rather discuss an issue with a coordinator, please feel free to do so. Our aim is to exceed your expectations with the programs that we offer. If you have any concerns, please feel free to contact the summer camp coordinator.

# CIADI SUMMER SCIENCE AND ENGINEERING CAMP SCHEDULE \*

WEEK 1	July 2-5, 2019		Room TBD		
Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00-9:00	Extended Care (Optional)				
9:00	Drop-off				
9:15-10:30	CANADA DAY HOLIDAY	Create Sunprint	Nature Scavenger Hunt	Build Water Bacteria	Outing: Montreal Science Center**
10:30-11:00	Snack Time				
11:00-12:00	Outdoor free play at Grey Nuns				
12:00-1:00	Lunch Time				
1:00-2:00		*Multimedia Display	LAB – Understanding Equipment	Binary Numbers	
2:00-3:00		Making Ice Cream	Green Thumb – Changing the Color of Plants	Lamp Spinner	
3:00-4:00	Outdoor free play at Grey Nuns				
4:00	Pick up				
4:00-5:00	Extended Care (Optional)				





# CIADI SUMMER SCIENCE AND ENGINEERING CAMP SCHEDULE \*

<b>WEEK 2</b>	<b>July 8-12, 2019</b>		<b>Room TBD</b>		
<b>Time</b>	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
8:00-9:00	Extended Care (Optional)				
9:00	Drop-off				
9:15-10:30	Make Hovercraft	Magnetic Slime	Rule of Gravity	Magic Aqua Sant	Outing: Botanical Garden/ Insectarium**
10:30-11:00	Snack Time				
11:00-12:00	Outdoor free play at Grey Nuns				
12:00-1:00	Lunch Time				
1:00-2:00	*Chocolate Printer	Graveyard Boogie	LAB - Volcano	Reveal Secret Message	
2:00-3:00	Supertasters	Parachutes	Homopolar Motor	Plasma Cutter	
3:00-4:00	Outdoor free play at Grey Nuns				
4:00	Pick up				
4:00-5:00	Extended Care (Optional)				



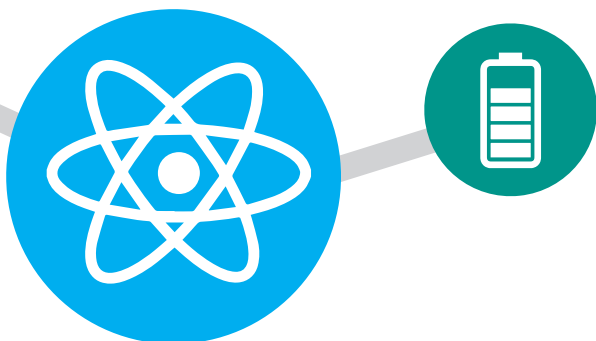
# CIADI SUMMER SCIENCE AND ENGINEERING CAMP SCHEDULE \*

<b>WEEK 3</b>	<b>July 15-19, 2019</b>		<b>Room TBD</b>		
<b>Time</b>	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
8:00-9:00	Extended Care (Optional)				
9:00	Drop-off				
9:15-10:30	Making a Car	Eggs-periment!	Bathbombs	Chromatography Butterfly craft	Outing: Cosmodome
10:30-11:00	Snack Time				
11:00-12:00	Outdoor free play at Grey Nuns				
12:00-1:00	Lunch Time				
1:00-2:00	Building a space Rocket	Balloon Inflator	LAB – Making Slime	Siphon water pump	
2:00-3:00	Magic Mud	Sink the water	String water bridge	Building Circuits	
3:00-4:00	Outdoor free play at Grey Nuns				
4:00	Pick up				
4:00-5:00	Extended Care (Optional)				



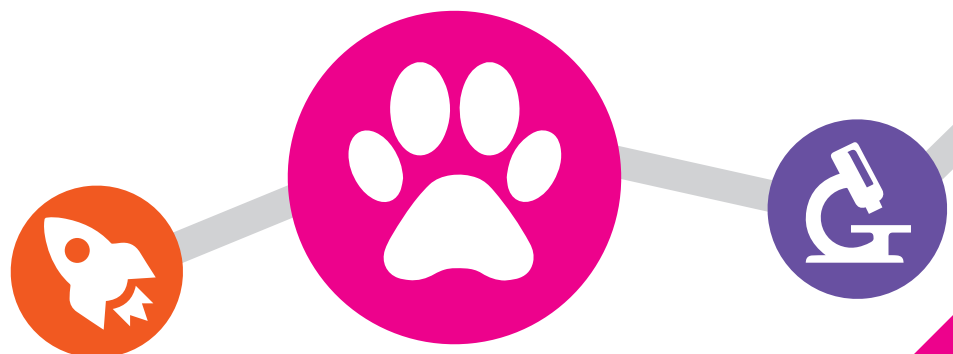
# CIADI SUMMER SCIENCE AND ENGINEERING CAMP SCHEDULE \*

<b>WEEK 4</b>	<b>July 22-26, 2019</b>		<b>Room TBD</b>		
<b>Time</b>	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
8:00-9:00	Extended Care (Optional)				
9:00	Drop-off				
9:15-10:30	Fireworks in a Jar	Magnetic Magic	Electromagnetic Train	Make your own Magnet	Outing: Canadian Space Agency
10:30-11:00	Snack Time				
11:00-12:00	Outdoor free play at Grey Nuns				
12:00-1:00	Lunch Time				
1:00-2:00	Space Concordia Space Craft	Space Concordia Rocketry	LAB – Germ Experiment	Space Concordia Robotics	
2:00-3:00	Space Concordia	Space Concordia	Graphite Circuit	Space Concordia	
3:00-4:00	Outdoor free play at Grey Nuns				
4:00	Pick up				
4:00-5:00	Extended Care (Optional)				



# CIADI SUMMER SCIENCE AND ENGINEERING CAMP SCHEDULE \*

<b>WEEK 5</b>	<b>July 29-August 2, 2019</b>		<b>Room TBD</b>		
<b>Time</b>	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
8:00-9:00	Extended Care (Optional)				
9:00	Drop-off				
9:15-10:30	Spaghetti Challenge	Imagine the Character (Engineer)	Gravity Check	Make your own 3D pen	Outing: Planetarium
10:30-11:00	Snack Time				
11:00-12:00	Outdoor free play at Grey Nuns				
12:00-1:00	Lunch Time				
1:00-2:00	Human Impacts on the Environment	Ozobots	LAB - Cryptograph Wheel	Water sustainability	
2:00-3:00	Marble Maze	Landfill	Elephant toothpaste	CSI Forensics	
3:00-4:00	Outdoor free play at Grey Nuns				
4:00	Pick up				
4:00-5:00	Extended Care (Optional)				



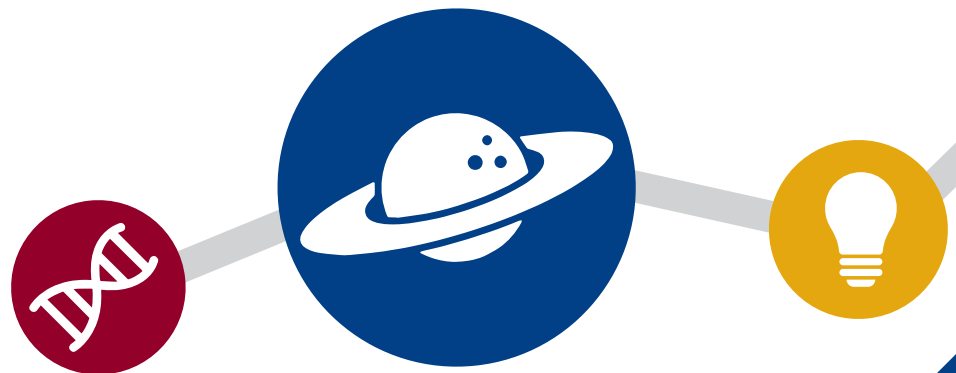
# CIADI SUMMER SCIENCE AND ENGINEERING CAMP SCHEDULE \*

<b>WEEK 6</b>	<b>August 5-9, 2019</b>		<b>Room TBD</b>		
<b>Time</b>	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
8:00-9:00	Extended Care (Optional)				
9:00	Drop-off				
9:15-10:30	Let's Build a Telescope	Making a roller coaster	Solar Powered Cars	Bouncy Balls	Outing: Biodome**
10:30-11:00	Snack Time				
11:00-12:00	Outdoor free play at Grey Nuns				
12:00-1:00	Lunch Time				
1:00-2:00	*Chocolate Printer	Making 3D glasses	LAB - Changing color plants	Making paper airplanes	
2:00-3:00	Balloon Rockets	Cloud in a Jar	Lemon Battery	Launching Airplanes	
3:00-4:00	Outdoor free play at Grey Nuns				
4:00	Pick up				
4:00-5:00	Extended Care (Optional)				



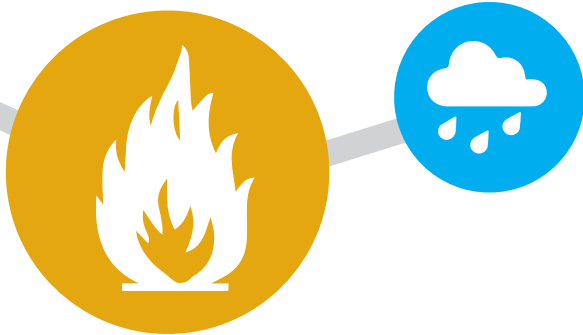
# CIADI SUMMER SCIENCE AND ENGINEERING CAMP SCHEDULE \*

<b>WEEK 7</b>	<b>August 12-16, 2019</b>		<b>Room TBD</b>		
<b>Time</b>	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
8:00-9:00	Extended Care (Optional)				
9:00	Drop-off				
9:15-10:30	Making Playdough	World of Salts	Let's Build a Telescope	Magnetic Slime	Outing: Eco Museum Zoo**
10:30-11:00	Snack Time				
11:00-12:00	Outdoor free play at Grey Nuns				
12:00-1:00	Lunch Time				
1:00-2:00	Balloon powered cars	Color Mixing	LAB – Liquid Volume Measurement	Making Ice Cream	
2:00-3:00	Balloon powered car race	Bouncy Balls	Ice Cube Battery	Magic Aqua Sand	
3:00-4:00	Outdoor free play at Grey Nuns				
4:00	Pick up				
4:00-5:00	Extended Care (Optional)				



# CIADI SUMMER SCIENCE AND ENGINEERING CAMP SCHEDULE \*

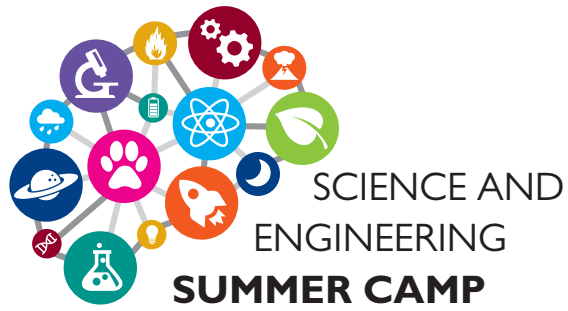
WEEK 8					
August 12-16, 2019		Room TBD			
Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00-9:00	Extended Care (Optional)				
9:00	Drop-off				
9:15-10:30	Terrarium	Imagine the Character (Astronauts)	Imagine the Character (Doctor)	Space Concordia *Presentation about Space	Outing: Redpath Museum**
10:30-11:00	Snack Time				
11:00-12:00	Outdoor free play at Grey Nuns				
12:00-1:00	Lunch Time				
1:00-2:00	Salmon Sustainability	Pool Noodle Marble Run	LAB – Cool Strawberry DNA	Space Concordia	
2:00-3:00	Lava Lamp	The Science of Yoga – Muscles	Marble Painting	Space Concordia	
3:00-4:00	Outdoor free play at Grey Nuns				
4:00	Pick up				
4:00-5:00	Extended Care (Optional)				





**GINA CODY**  
SCHOOL OF ENGINEERING  
AND COMPUTER SCIENCE

Concordia Institute of  
Aerospace Design and Innovation



let's talk  science