

# **STEM LEADERSHIP PROGRAM**

**SPRING 2019**



**NAME:** \_\_\_\_\_

**UPWARD BOUND**

**NORTHERN VERMONT UNIVERSITY~ JOHNSON**

# **IMPORTANT**

## **DATES & TIMES:**

### **2019 STEM Leadership Program NVU – J Upward Bound T3 Alliance - Magic of STEM**

<b>Class Meetings Date</b>	<b>Location &amp; Times</b>	<b>Class Materials &amp; Assignments</b>
<b>Sunday, February 3 12:00 – 2:30 PM</b>	NVU-J Campus D 132	<b>Meeting #1</b> Parent/Student Meeting – Group Pizza Lunch, Program Overview, Learning Objectives, & Expectations. Growth Mindset and Activity. Orlando Field Experience Paperwork, Q & A Session
<b>Sunday, February, 17 10:00 – 5:00 PM</b>	NVU-J Campus D 132	<b>Meeting #2</b> Build Raspberry Pie Kits, Basic Coding, Community Projects, Project Teams, Roles and Responsibilities Discussion and Handout Rubric for STEM Presentation at May Saturday Meeting
<b>Sunday, March 17 10:00 – 5:00 PM</b>	NVU-J Campus D132	<b>Meeting # 3</b> More Raspberry Pie Programming and Community Projects Build Selfie Stations for May 11 Saturday College Meeting Identify Sensors & Materials List for Summer Projects
<b>Saturday, April 20 10:00 AM</b>	Burlington International Airport	<b>Meeting # 4</b> Review Goals for STEM Trip, Prepare for Flight, Final Bag Check & Lunch at Airport Flight to Orlando and travel to hotel for evening
<b>April 21 – 24 STEM Trip</b>	Orlando, FL Kennedy Space Center Walt Disney World Resort	(See Detailed Agenda) Handout
<b>Saturday, May 11 9:00 AM – 3:00 PM</b>	NVU-J Campus – Saturday College Meeting	Run Selfie Station Project STEM Leadership Orlando Fieldtrip Slideshow & Presentation Launch Summer 2019 STEM Projects

# EXPECTATIONS:

## Northern Vermont University – Johnson Requirements & Expectations Contract 2019 STEM Leadership Program April 20<sup>th</sup>-24<sup>th</sup>, 2019

*In order to provide the safest and most engaging trip for all participants, all students need to abide by the following set of program rules and regulations:*

I agree to be a full participant in program activities. This includes maintaining a positive attitude, being on time, and keeping an open mind to **all** scheduled activities.

1. I agree to not bring or use any drugs, alcohol, or cigarettes during this experience.
2. I agree to not bring or carry any weapons (i.e. pocket knives, mace, or guns etc.) during this experience.
3. I agree to not tamper with any fire or safety equipment during this experience.
4. I agree to notify core staff before this trip of any medication I will need to take while on this trip. This includes the use of a bee sting kit, asthma inhaler, or any other prescription drugs.
5. I agree to not enter another student's room without the permission of the program staff, and not at all between the hours of 10:00 PM and 8:00 AM. I will also be on my floor at the agreed times and in my room, with the lights out by 11:00 PM. These times may be adjusted at the discretion of the program Director or Assistant Director only.
6. I understand that male students are not allowed in female students' rooms at any point during this experience. Likewise, female students are not allowed in male student rooms at any time throughout the duration of this trip. Furthermore, I agree to not engage in any inappropriate sexual conduct of any kind during this trip.
7. I understand and agree to support the **UB NO STUDENT CELL PHONE POLICY** on this trip. Parents may contact the Program Director or Assistant Director at any time if an emergency situation exists and you must contact your son/daughter. Students will be allowed to use a staff phone if needed to contact parents when time permits.
8. I agree to adhere to all of the hotel rules and regulations. Specifically:
  - a. Respect the property of the hotel, keep rooms and bathrooms clean. I will not take any property belonging to the hotel (i.e. towels, glasses, remote etc.)
  - b. I will not order room service, movies/games, pay-tv channels, or use the phone without the permission of the Director or Assistant Director. I understand everyone in my room will be responsible for any additional charges billed to the room (this includes damage to the furniture and room).
  - c. Stay off the fire escapes except during an emergency situation in the building.
  - d. Keep your room windows closed when you are not in your room.
  - e. I will not prop open my door at any time and conduct myself in a responsible manner while moving around the hotel in order to not disturb other hotel guest.

**To ensure the safety and well-being of everyone in the group I also agree to:**

- Stay with my group at all times, except with the permission of the program Director or Assistant Director.
- Not carry a lot of money with me.
- Dress appropriately for the day's activities including footwear.
- Treat everyone with respect, including myself.

I understand that anyone who violates these rules and regulations may be sent home, at **HIS/HER OWN EXPENSE**, at the discretion of the program Director. If I am sent home I understand this will place my continued participation with the UB program in jeopardy.

Student

Date

Parent/Guardian

Date

**SUNDAY, FEBRUARY 17TH, 2019:** Revisit your ACADEMIC and PERSONAL goal from your STEM application. Have you made any progress? Do you have a new goal? What action steps do you plan to take to fulfill your goal(s)?

Identify a situation today where you were challenged. Did you respond with a growth mindset or a fixed mindset? If you responded with a fixed mindset, what can you do in the future to be more growth mindset oriented?

**QUOTE OF THE DAY:**

**SUNDAY, MARCH 17TH, 2019:** The next time we meet we will be headed to Orlando, Florida. Before we head out lets think about what you have learned so far. Has anything surprised you? Was there an activity to especially liked or found challenging?

**QUOTE OF THE DAY:**

**SATURDAY, APRIL 20TH, 2019:** Today we arrive in Orlando, FL. What are two to three activities you are excited for in the three days ahead?

What are 1-2 questions you have for the Lunch With An Astronaut tomorrow?

**1.**

**2.**

**QUOTE OF THE DAY:**

**SUNDAY, APRIL 21ST, 2019:** What are two new peieces of knowledge you learned about today?

NASA technologies routinley play a big part in our everyday lives. What are thee technologies you learned about that you didn't know existed or didn't know affected you?

**1.**

**2.**

**3.**

**QUOTE OF THE DAY:**

**MONDAY, APRIL 22ND 2019:** Think back on your experience so far. Lets rank your mindset! On a scale of 1 to 5 (1– A Growth Mindset, 3– A Mix of Both, 5– A Fixed Mindset) were has your mindset been on this experience? Why? How can you work towards being more growth mindset focused?

Name two to three emerging technologies you learned about at Epcot today.

**QUOTE OF THE DAY:**



**TUESDAY, FEBRUARY 23RD, 2019:** Today was our last day full day in Florida. What have you learned during this experience and how can you bring what you have learned back to the UB community as well as your local community?

**QUOTE OF THE DAY:**

**WEDNESDAY, APRIL 24TH, 2019:** Welcome back to Vermont! Thinking back about your experience this past week have you made any new decisions about your interest in STEM or STEM focused careers?

**QUOTE OF THE DAY:**

## **OTHER JOURNAL PROMPT IDEAS:**

- How can I use what I've learned to benefit and engage in my local community?
- Now that it's over, what are my first thoughts about this overall experience? Are they mostly positive or negative?
- What were some of the most interesting discoveries I made while on this experience? About the activities? About myself? About others?
- What were some of my most challenging moments and what made them so?
- What were some of my most powerful learning moments and what made them so?
- What is the most important thing I learned personally?
- What most got in the way of my progress, if anything?
- How did I help others during this process? How do I feel I may have hindered others?
- Were my milestones and goals mostly met, and how much did I deviate from them if any?
- What did I learn were my greatest strengths? My biggest areas for improvement?
- What would I do differently if I were to approach the same experience again?
- What moments was I most proud of my efforts?
- What could I do differently from a personal standpoint the next time I work with the same group or a different one?
- What's the one thing about myself above all others I would like to work to improve?
- How can I better support and encourage my teammates on future projects?
- How will I use what I've learned in the future?
- Come up with your own prompt(s).

**USE THE FOLLOWING BLANK PAGES  
TO FREE WRITE OR ANSWER A PROMPT  
OF YOUR CHOICE!**



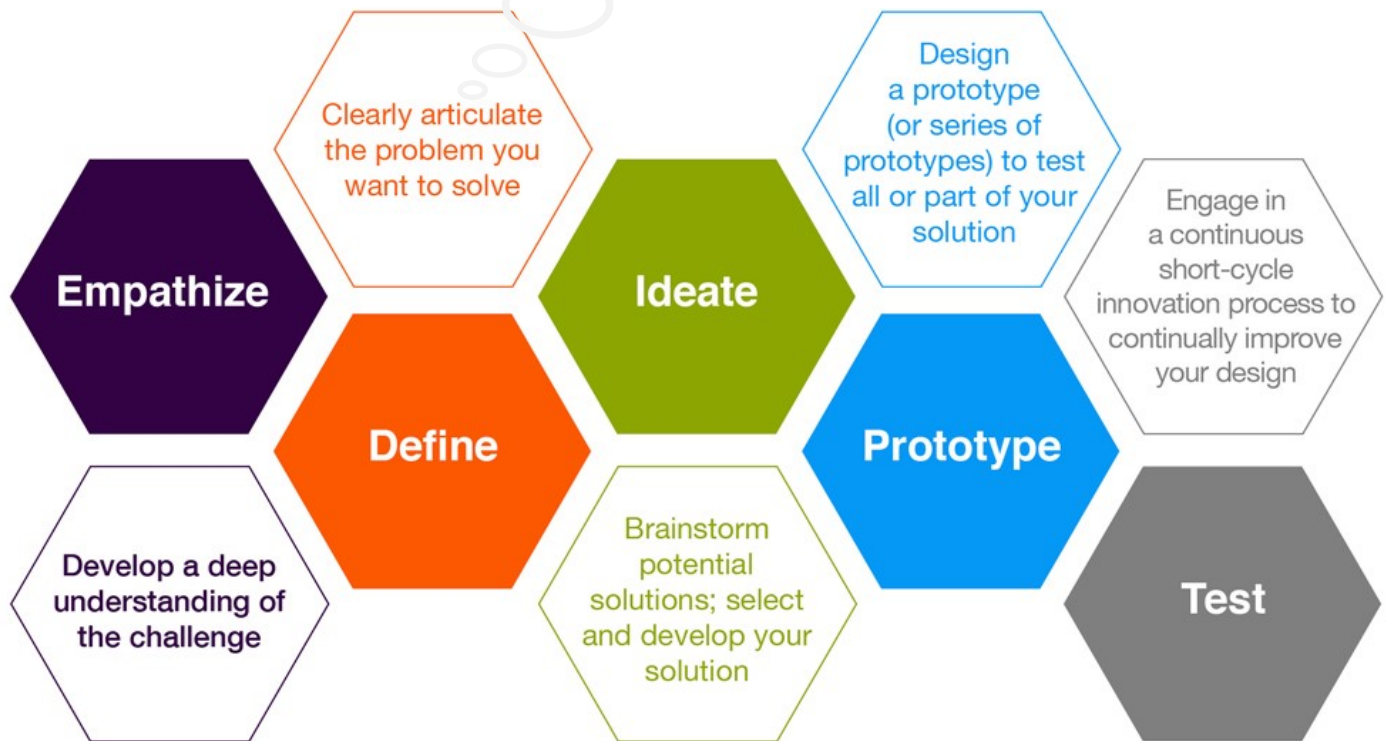




## **NOTES:**

# DESIGN THINKING

## CHEAT SHEET:



## STEM LEADERSHIP PROGRAM CONTACTS:

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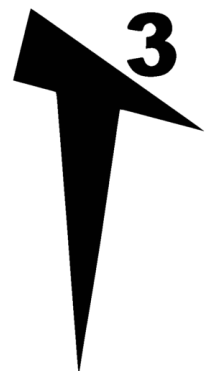
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