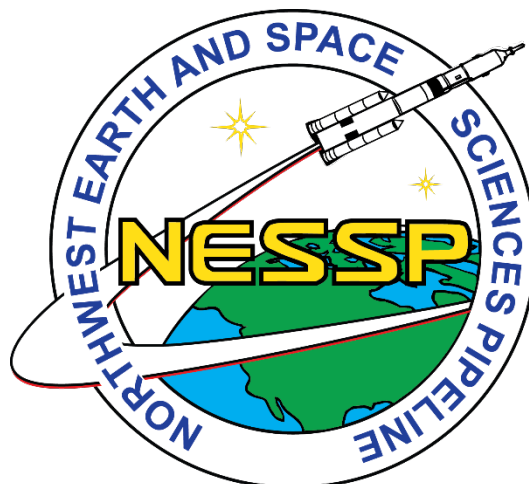
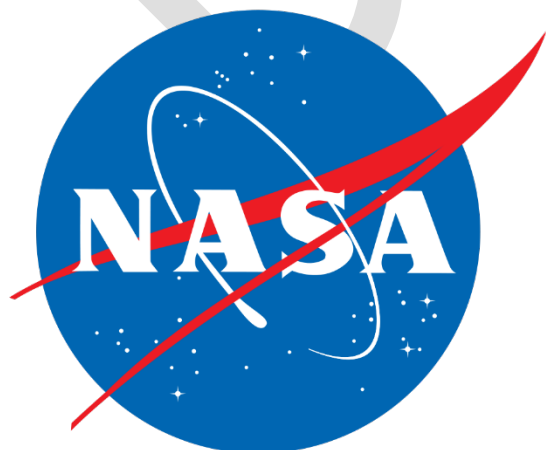




# MINNESOTA

REGIONAL SUPPLEMENTARY MANUAL



# TABLE OF CONTENTS

1	INTRODUCTION.....	1
1.1	About Northwest Earth and Space Sciences Pipeline .....	1
2	REGIONAL EVENT INFORMATION.....	3
2.1	Professional Development Workshops .....	3
2.2	Support .....	3
2.2.1	Funding.....	3
2.2.2	Supply Lending.....	3
2.2.3	Travel Support.....	3
2.3	Regional Hub Challenge .....	3
2.3.1	Date and Location .....	3



# 1 INTRODUCTION

## 1.1 About Northwest Earth and Space Sciences Pipeline

Northwest Earth and Space Sciences Pipeline (NESSP) is funded through the NASA Science Mission Directorate and housed with Washington NASA Space Grant Consortium at the University of Washington.

Our goals are to strengthen the science, technology, engineering, and math (STEM) education region-wide and infuse a strong, standards-based mathematics component into NASA educational materials for middle and high school levels. We also serve as a bridge into other NASA experiences for teachers and students.

NESSP provides immersive STEM opportunities for middle and high school students using NASA science and supporting Next Generation Science Standards. NESSP seeks to increase pathways for students towards careers in STEM, particularly in underserved communities.

The Apollo Next Giant Leap Student Challenge leverages NESSP expertise to engage students in technologies relevant for today's society. The challenge also gives students the opportunity to sense the spirit of achievement and exploration exemplified by all those that contributed to the successful landing of the Apollo 11 spacecraft on the moon 50 years ago.

Visit our website: <http://nwessp.org/>

### Contact us:

Northwest Earth and Space Science Pipeline  
University of Washington  
141 Johnson Hall Box 351310  
Seattle, WA 98195-1310  
Email: [nwessp@uw.edu](mailto:nwessp@uw.edu)  
Phone: (206) 543-1943  
Fax: (206) 543-0489



## 1.2 Important Dates & Deadlines

---

JANUARY, 2019	Official announcement of Apollo Next Giant Leap Student Challenge
JANUARY 30, 2019	ANGLeS Challenge Kickoff Event
FEBRUARY 1, 2019	Registration opens, Manual released
MARCH 1, 2019	Crowdsourcing opens
MARCH 30, 2019	Local Organization Registration closes
JUNE 24-28, 2019	Team Selection
JUNE 28, 2019	Mission Patch due
JUNE 28, 2019	Social media post due
JULY 1-6, 2019	Regional Hub Challenge Event invitations issued
JULY 8, 2019	Teams confirm Regional Hub Challenge Event attendance
JULY 12, 2019	Regional hubs respond to travel requests
JULY 18, 2019	Minnesota Regional Challenge Events
AUGUST 5-7, 2019	Winners showcase and tour at Johnson Space Center, Houston, Texas



## 2 REGIONAL EVENT INFORMATION

### 2.1 Professional Development Workshops

---

Information for the Minneapolis Regional HUB training:

Dates: April 13th and 14th, 2019.

Times: 8:45AM - 3:30PM on April 13th, 9:00AM - 12:00PM on April 14th, 2019.

Location: Minneapolis Public School Northstar Building

240 Girard Avenue North

Minneapolis, MN 554411

Enter at Door 10

### 2.2 Support

---

#### 2.2.1 Funding

NESSP will assist registered teams to participate in crowd sourced sponsorships.

#### 2.2.2 Supply Lending

We have a limited number of supplies for Minnesota programs. Teams that are chosen to compete in the Minnesota Regional HUB Challenge and that can demonstrate need and strong student participation, particularly in underserved communities, and organizations with greater than 50% free and reduced lunch may be approved to receive supplies to practice with and prepare for the Regional HUB Challenge. If approved, supplies provided at no cost will include one Force1 U49W Blue Heron WIFI FPV Drone and one Moon Mat. Teams must supply their own LEGO Mindstorms EV3 Education Edition kit.

#### 2.2.3 Travel Support

The Minnesota HUB will not be providing travel support.

### 2.3 Regional Hub Challenge

---

#### 2.3.1 Date and Location

The Regional Challenge Event will be held on July 18, 2019, at Anishinabe Academy, 3100 E 28th St, Minneapolis, MN 55406.

#### 2.3.2 Challenge Rules

Link to the official challenge manual:

[https://drive.google.com/file/d/1M8idlSoTY-4SYZe\\_Ia3GSMph6XSOpOE1/view](https://drive.google.com/file/d/1M8idlSoTY-4SYZe_Ia3GSMph6XSOpOE1/view)



### 2.3.3 Challenge Field

Links to the official challenge playing field:

[https://drive.google.com/drive/u/0/folders/1bwOX2QvKo\\_5Ut7BI1gzeUGUCFbt2iU2w](https://drive.google.com/drive/u/0/folders/1bwOX2QvKo_5Ut7BI1gzeUGUCFbt2iU2w)

[https://drive.google.com/drive/u/0/folders/1bwOX2QvKo\\_5Ut7BI1gzeUGUCFbt2iU2w](https://drive.google.com/drive/u/0/folders/1bwOX2QvKo_5Ut7BI1gzeUGUCFbt2iU2w)

### 2.3.4 Watch the Apollo 50 Challenge on YouTube

<https://www.youtube.com/channel/UCj1SnduYKkU1koheMeUWwHA>

### 2.3.5 Crowd Source Funding for the Apollo 50 Challenge

<https://together.uw.edu/project/13643>

### 2.3.6 Support for Minnesota HUB Apollo 50 Challenge is provided by the following:

Northwest Earth and Space Science Pipeline

University of Washington

Minnesota Space Grant Consortium

Minneapolis Public Schools

Minneapolis Public Schools GEMS and GISE

