First Nations Launch:
Advisor and Mentor Webinar

Rob Cannon
April 15, 2025

ARTEMIS
STUDENT CHALLENGES
nasa.gov/stem/artemis.html

NASA
Partner

Presentation Overview

- Schedule
- Hotels/Shipping
- Registration
- Welcome Breakfast
- Awards
- Launch Operations Webinar
- Mentors/Advisors
- Launch Day Expectations
- TRA/NAR Membership
- Post Launch Expectations
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- Reimbursements

FNL Launch Weekend Schedule

- **Friday, April 25, 2025**
  - Welcome Breakfast and Competition Kick-off
  - Motor Build and Avionics Workshops, Safety Inspections
  - Lunch - Advisor/Mentor Luncheon
  - Breakout Sessions/Judge's Rocket Review
    - More Than a Statistic: Navigating my Path to a PhD
    - Working with Blue Origin
    - Judges Panel
    - NASA OSTEM Internships
  - Rocket Fair
  - Team Oral Presentations
    - Powerpoints must be sent in by Monday, April 21

      NOTE: NO Rocket Build Workshops on Friday

- **Saturday, April 26, 2025**
  - Launch at Richard Bong State Recreation Area
  - Closing Banquet at Carthage College
    - Special Guest Speaker: Aaron Yazzie

Hotels

- ■ Mars Teams will be at
  - ■ The Stella Hotel,
    5706 8th Ave, Kenosha WI 53140
- ■ Moon & Gateway Teams will be at
  - ■ Kenosha Wyndham Garden Harborside
    5125 6th Ave, Kenosha WI 53140

- ■ Ship rockets or supplies directly to hotels

- ■ Each team receives a maximum of 3 rooms for 3 nights. Additional rooms or nights will be billed directly to a card that you will provide at check-in.

- ■ Workspace will be available in each hotel for small work on rockets. Please be mindful of the spaces and don't bring in food/drink and do not paint rockets indoors.
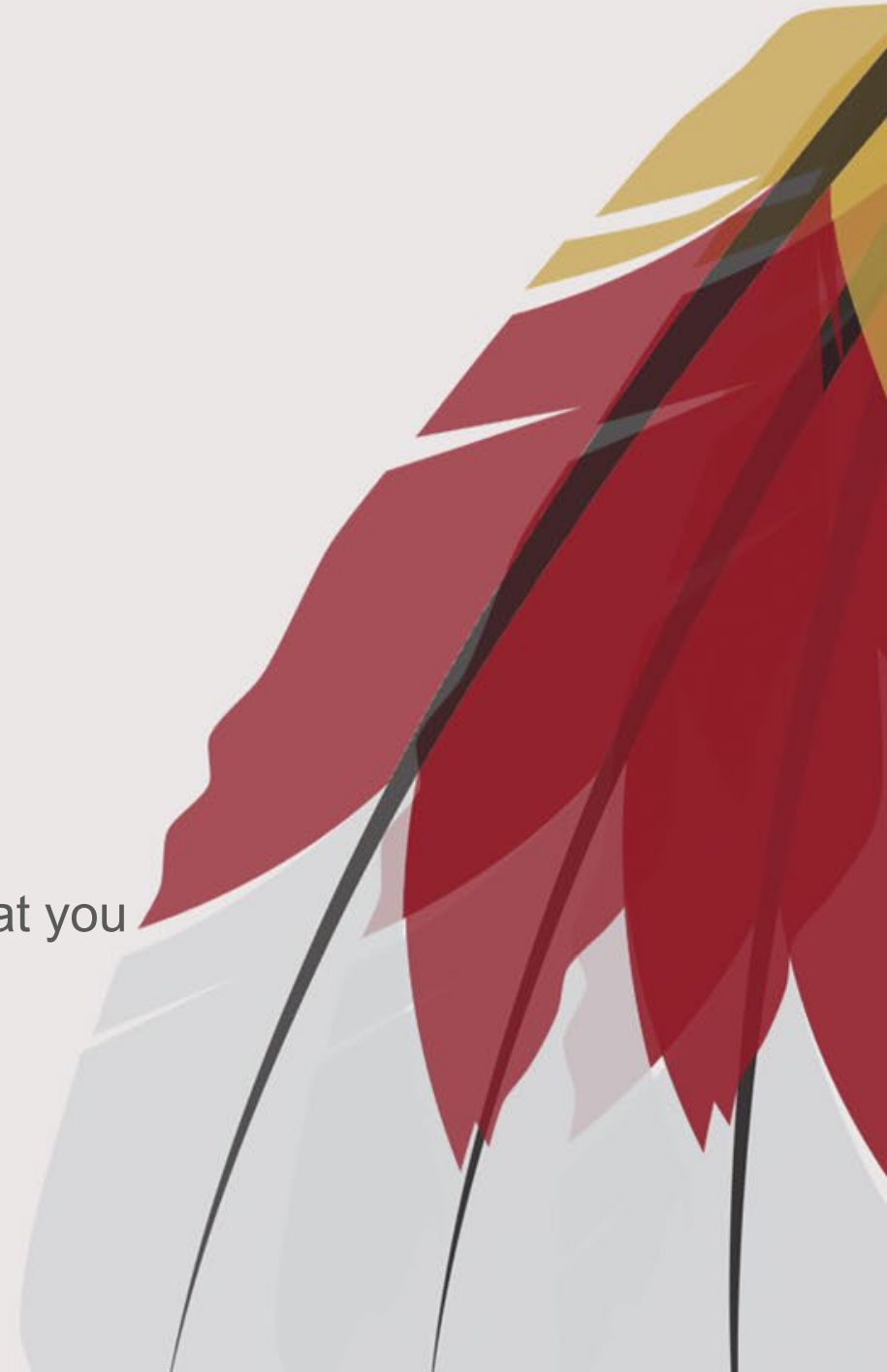
Registration

- Registration and events will take place at Carthage College in the Todd Wehr Center on the south end of campus. Follow the WSGC signs.

- Early registration is highly encouraged and available Thursday, April 25th from 3-5pm.

- Registration on Friday, April 26th from 7-8am.

- Maps of the campus have been sent out with the logistics email

Welcome Breakfast

- Breakfast opens at 7:00 am
- Opening Ceremony will begin at 8:00 am
- Teams will have 2-3 minutes to introduce themselves
  - We plan on asking the Team Leads to come to the podium with their challenge cohort leads to introduce their teams
  - The ceremony slide deck will include each team's provided team photo to be displayed during the introductions
- Queen's University will lead us through an ice breaker activity*

WSGC Competition Launch Operations

Mandatory Launch Ops Webinar was held on April 8th please use the recording to prep your team.

- Please use this as a guide in preparing for your launch day in Wisconsin
  - WSGC safety requirements
  - TRA requirements
  - Logistic FAQs
  - Competition Schedule
- https://youtu.be/GZcGjQ9OLG4

Mentors

- Reminder: Mentor/team is responsible for lodging expenses beyond competition provided 3 rooms
- Email Media Release to Connie Engberg (cengberg@carthage.edu)
  - PDF: https://spacegrant.carthage.edu/live/files/4575-media-release-form-adult
- If your team mentor will be attending launch weekend, please email Rob Cannon (rcannon@carthage.edu)
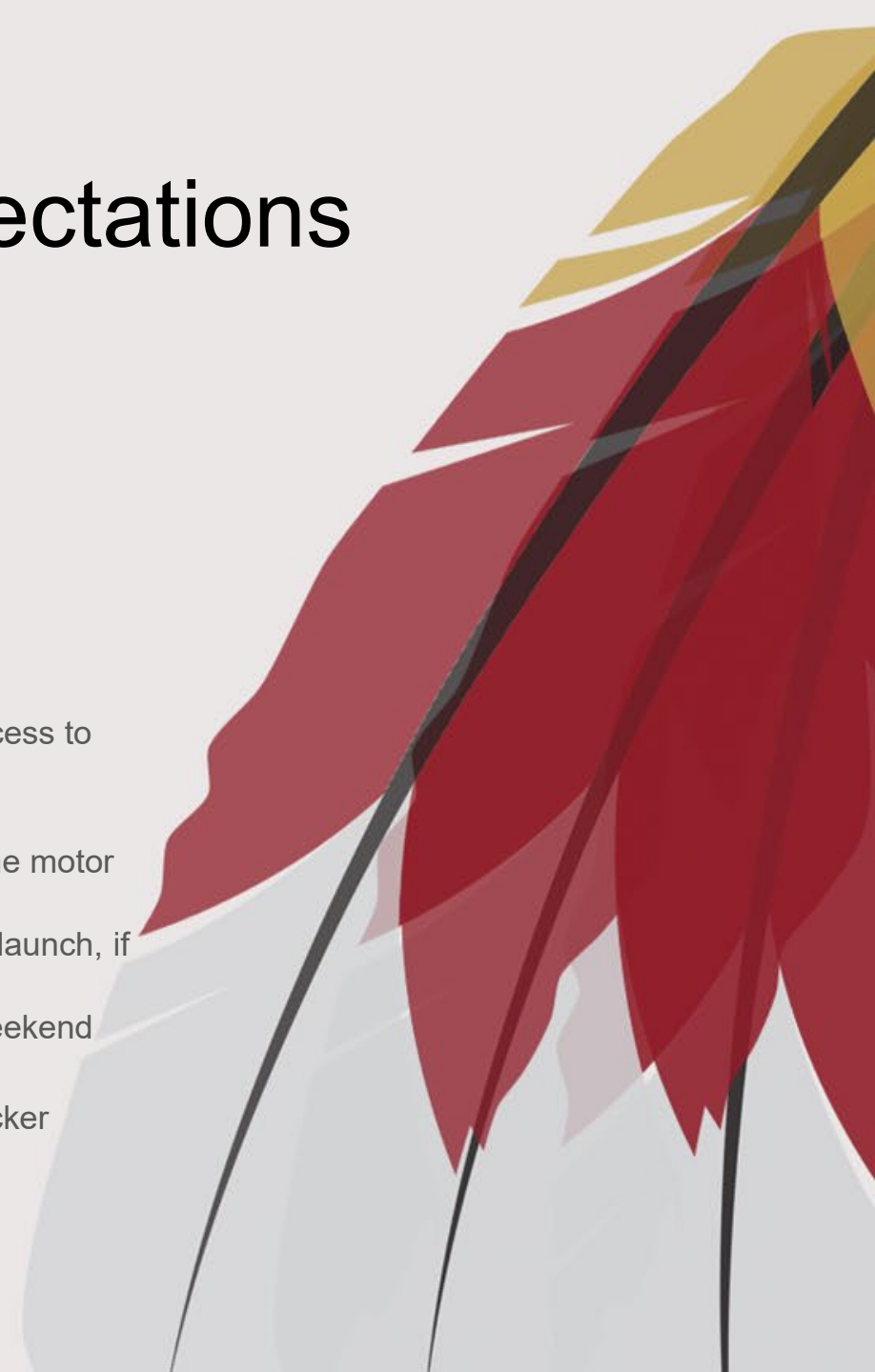
Mentors attending Launch Weekend

- We request Mentor support, to assist all teams, to achieve safe and successful flights

- Friday Workshop
  - We will need support in Avionics Workshop
    - Examine and troubleshoot teams avionics
    - We will reach out to a few to supplement the team
  - Goal is to have all avionics issues cleared on Friday to expedite Saturday launch prep

- Saturday Launch
  - Mentors are responsible for preparing their team for launch (ensuring proper sequence of steps – we will provide charges and motors)
  - After the team is prepped, your Challenge Lead will sign off the Flight Card prior to the team moving to RSO
  - After your team has flown, we ask Mentors to assist other teams to safely get to the pads as we have around 30 teams trying to launch

Competition Launch Day Expectations

- There are a few WSGC items to observe on Launch Day

  - Launch site opens at 7:30 am
  - Kick-off/Safety Meeting at RSO table at 8:00 am
  - Pre-launch group/team photo with Steve Janiak, photographer
  - Video/photos throughout the day for WSGC media purposes
  - Team members wear FNL T-Shirt at launch site
  - Lanyards identify which advisors/team members are not a TRA/NAR member, limiting access to launch area
    - Only 3 individuals from each team may go to the launch pad (Advisor/2 students)
    - Individuals aged 12-17 must be accompanied by a TRA/NAR member of the same motor impulse being launched
  - Individuals may conduct certification launches after their team completes the competition launch, if time permits. Competition launches take precedence.
    - Individuals conducting certification launch should notify Connie prior to launch weekend
  - All teams must be cleared by the pit crew before going to the RSO table
    - When you a cleared by the pit crew, your launch card will receive a signature or sticker
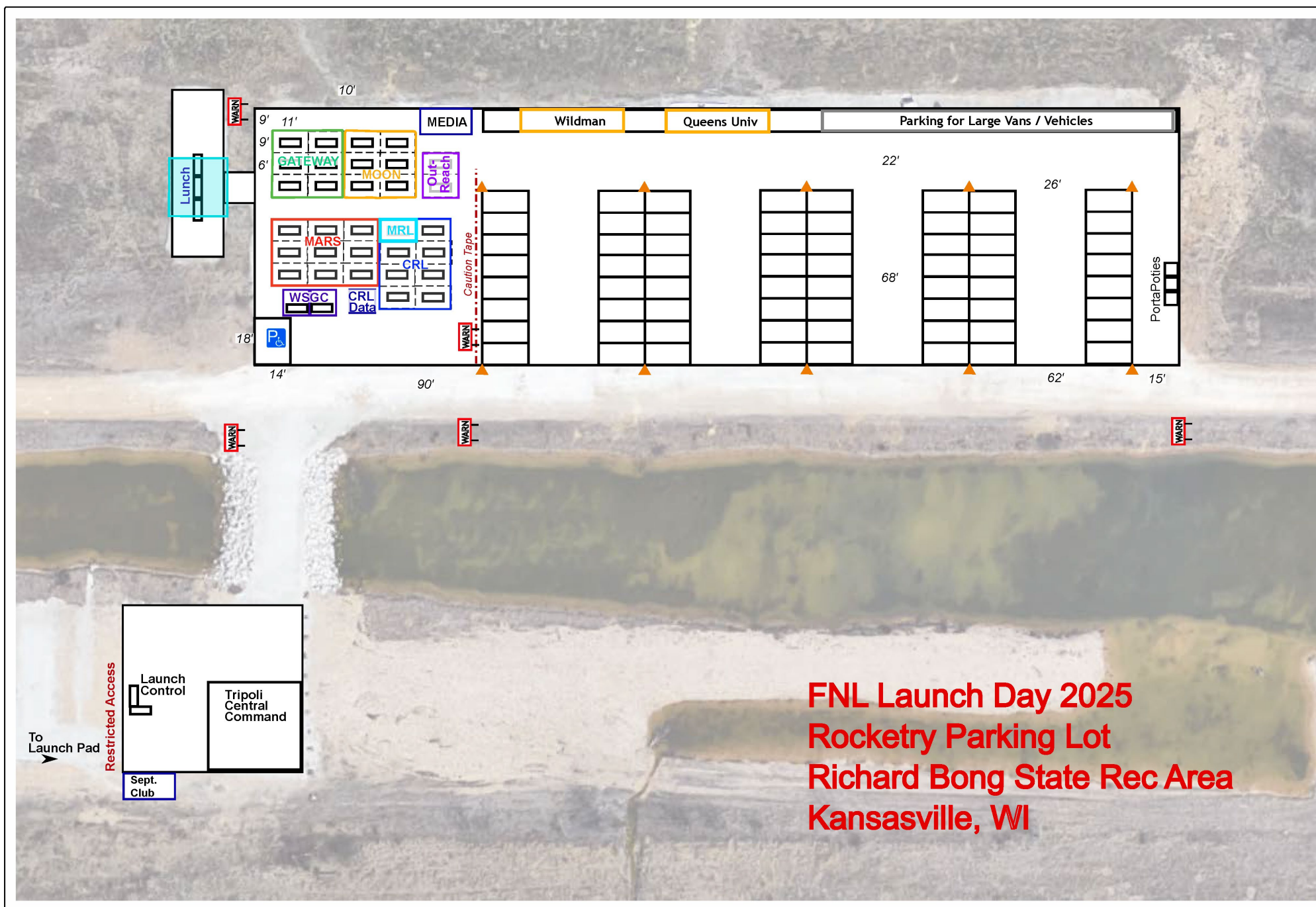
FNL Launch Day 2025
Rocketry Parking Lot
Richard Bong State Rec Area
Kansasville, WI

TRA/NAR Membership – Past Due

Important Launch Weekend Information

- **All attending** team members and advisors should be active members of TRA or NAR organization (insurance requirement)
    - Learn more about TRA membership
        - https://www.tripoli.org/content.aspx?page_id=22&club_id=795696&module_id=469205
- The $4000 FNL Award allows TRA/NAR membership costs to be reimbursed.
- **Submit TRA/NAR membership spreadsheet to Connie (cengberg@carthage.edu) TODAY**, if you haven't already.
- Any team that has not submitted TRA/NAR info may not be able to launch without proof of membership.

Post Launch Expectations

- **Before you leave the launch site:**
  - Teams are also expected to submit:
    - Altimeter Data
    - Jump Drives will be provided during registration that we ask the team to copy their altimeter data onto and turn in at WSGC table or your Challenge Lead

- **Post Launch Assessment Report (PLAR)**
  - Due May 12th
  - Summary of vehicle performance, challenge performance and comparison to predictions – share lessons learned

Awards

- Awards include:
  - *Grand Prize Award – 1st (VIP Trip to KSC being confirmed), 2nd, 3rd Place
  - Written Reports Award - Certificate
  - Oral Presentation Award - Certificate
  - **Aesthetic Award**
  - Team Spirit Award
  - Rookie Team Award
  - Advisor Award
  - Team Lead Award
  - Altitude Award
  - Judges Award
  - Nobile Award
  - Outreach Award
  - Patch Contest Award
  - Safety Award

Advisors

- **Stipend breakout**
  - $500 for on-campus activities
  - $500 for competition weekend - *advisor must travel to the competition*
  - Stipend may be split between advisor and co-advisor(s)
    - Notify Connie on how you would like the stipend split when multiple advisors involved with the team
    - Any advisor receiving a stipend must have a Media Release and W-9 on file
  - May not be transferred to another recipient by WSGC

Reimbursements

First Reimbursement Request Due:
March 3, 2025

Final Reimbursement Requests Due:
May 12, 2025

Forms can be found on the Tools and Tips page:
https://spacegrant.carthage.edu/first-nations-launch/tools-and-tips/

Complete the relevant forms and email with your receipts:
wsgc.accounts@carthage.edu

Reimbursements

- Reimbursements are determined by your award document
- Verify the method selected, we must receive an email from the advisor of record to change the reimbursement method
  - Reimbursement to Organization (School or Student Organization)
    - Requires Institutional W-9 sent in
  - Reimbursement to individuals
    - Individual W-9 required in following situations:
      - All advisors that are receiving stipends
      - Students that win competition awards (i.e., Patch Contest)

Final Items

- Office Hours are still available should any teams have last minute questions or would like to discuss launch weekend details

- Please keep an eye out for emails from our team while we continue finalizing the logistics for Launch Weekend

Any Questions?