



First Nations Launch: Advisor and Mentor Webinar

Rob Cannon
February 18, 2025



ARTEMIS
STUDENT
CHALLENGES

nasa.gov/stem/artemis.html



Partner

The material contained in this document is based upon work supported by a National Aeronautics and Space Administration (NASA) grant or cooperative agreement. Any opinions, findings, conclusions or recommendations expressed in this material are those of the author and do not necessarily reflect the views of NASA.



Presentation Overview

- FNL Status Update
- Upcoming Deliverables
- Remaining Webinars
- Remaining Meetings
 - *Virtual Safety Inspection separate from FRR Milestone*
- FNL Evaluation
- Launch Weekend Overview
 - Welcome Breakfast Activity
 - Launch Day Expectations
 - Post Launch Expectations
- Reimbursements
- Advisor Stipends
- Mentors





FNL25 Status

We have not received any stop work orders or indications that the program is not expected to finish out the year.

We are still waiting for funding that has been delayed since December (with additional requests pending behind that to let us finish out the competition cycle)

Conversations are occurring a minimum of once per week with NASA to keep a pulse on what to possibly expect next



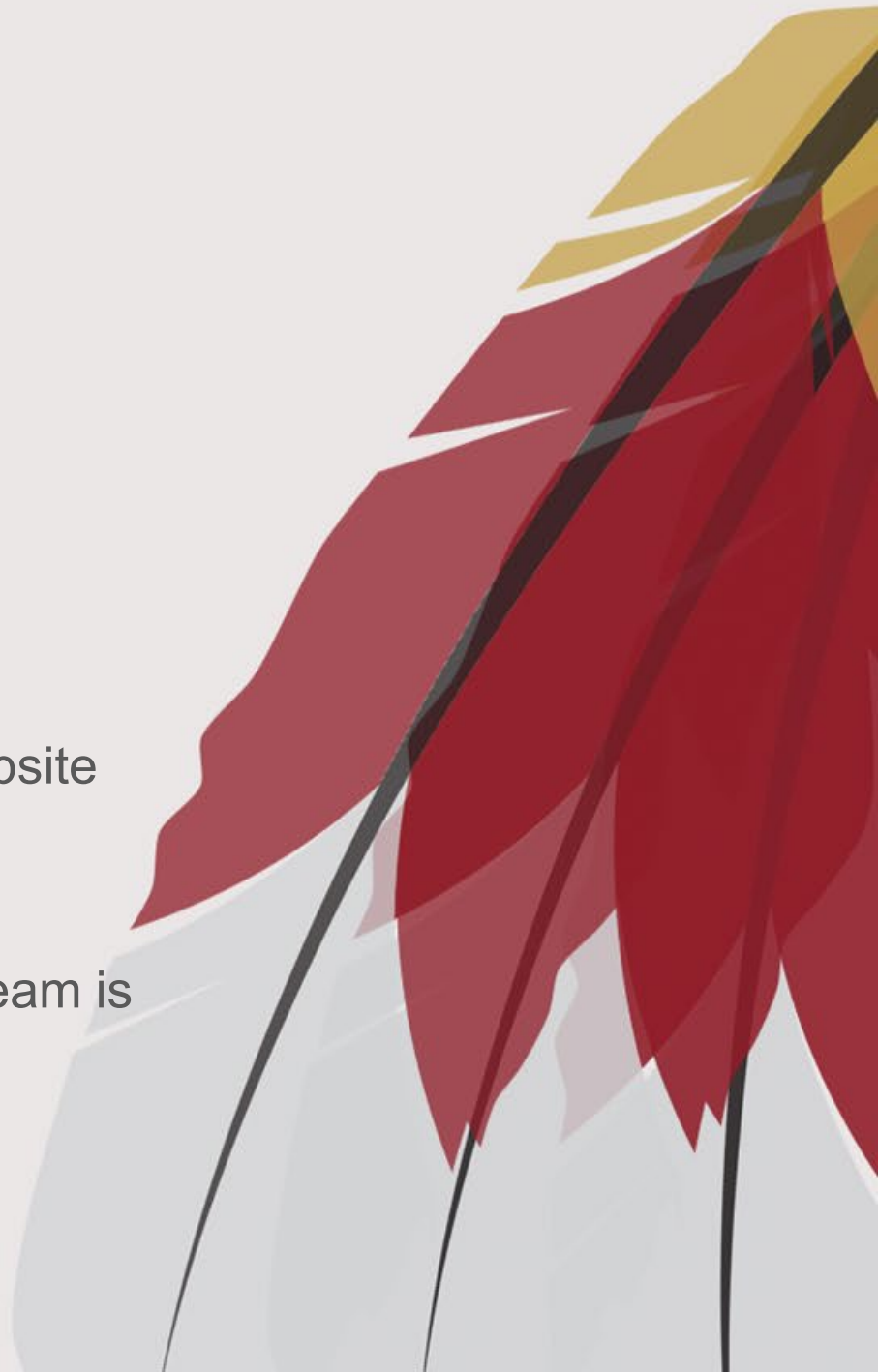


February Deliverables

Were Due Yesterday:

- Motor Selections - Thank you for helping us clear them early
- Lodging Lists* (multiple still due)
- Team Photos
- TRA/NAR Membership List
- Each team members should be registered on the WSGC Website and have an FNL Application submitted

*Hotels will ask for a credit card for incidental charges or if your team is staying beyond our 3 room/3 nights limit.

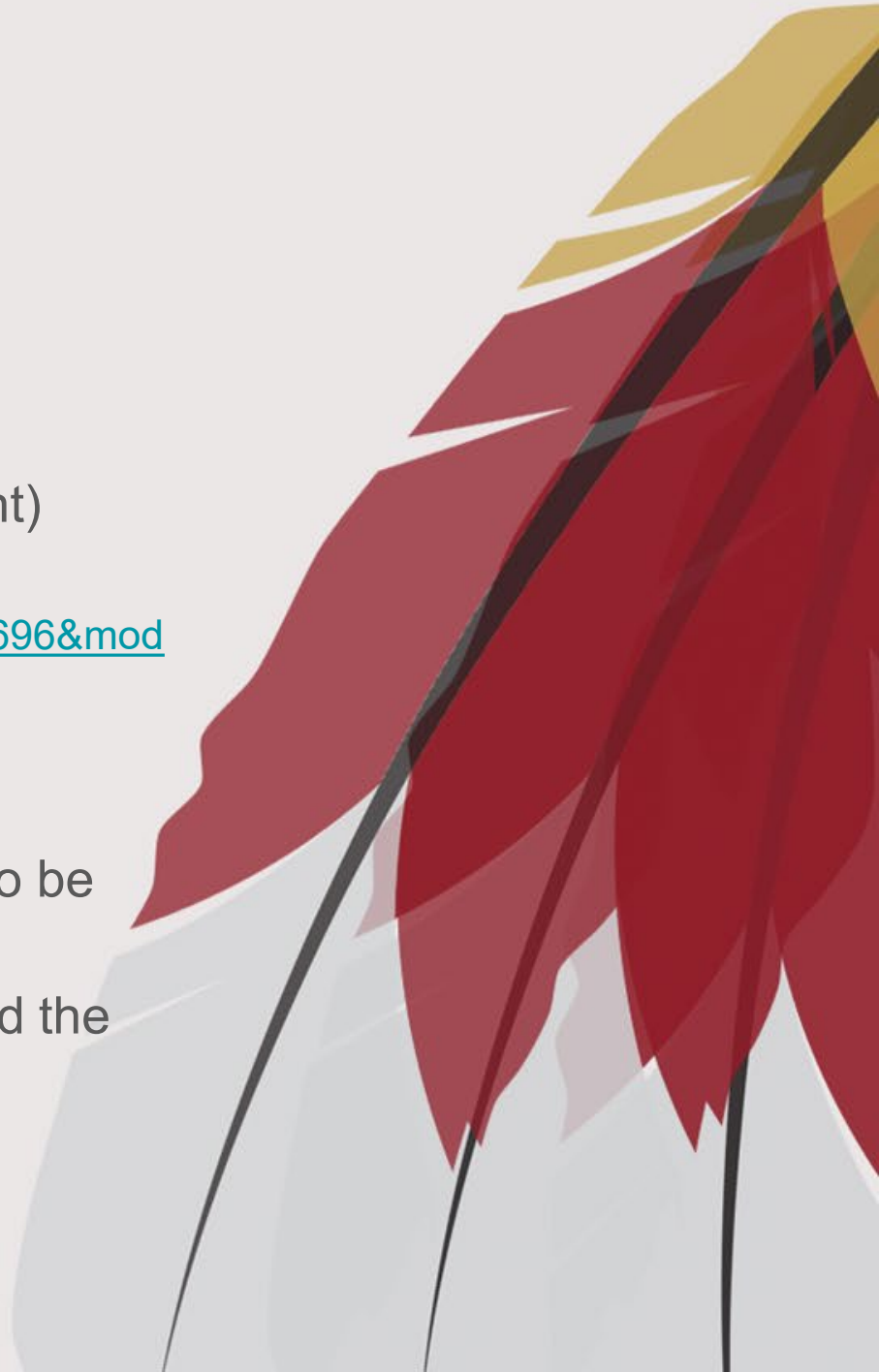




TRA/NAR Membership

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
 - \$20 Students (18-24)
 - \$70 Adults
- The \$4000 FNL Award allows TRA/NAR membership costs to be reimbursed.
- Only TRA/NAR members can go out to the launchpad/beyond the RSO table
- Submit TRA/NAR membership spreadsheet to Connie (cengberg@carthage.edu)





March Deliverables

March 3, 2025: First Reimbursement Requests Due

March 17, 2025: Flight Readiness Review Milestone

- FRR Report (Moon/Mars)
- Gateway PM Excel (Gateway)
- Flysheet (All)
- RockSim (All)
- **FRR PPT**
- Education Outreach Forms



March 24-28, 2025: FRR Virtual Presentations





Education Outreach Events - Due March 17

- Activities should raise awareness of, or interest in, NASA, its goals, missions and/or programs, and to develop an appreciation for and exposure to science, technology, research and exploration.
- Educational Outreach Form
<https://spacegrant.carthage.edu/live/files/4953-outreach-form>
 - If you have photos from your event, please send FNL a copy (email or gDrive)
 - One form per event and please don't try to combine the files
 - Known issue with fields where forms will overwrite each other
- Award Selection Rubric
 - # of events, reach to underserved groups (Native American/Pacific Island/Hawaiian), type of presentation (hands-on/presentation), quality of presentation, next step outreach opportunities, photos

 First Nations Launch High-Power Rocket Competition <i>Artemis Student Challenge</i> Hosted by Wisconsin Space Grant Consortium			
<i>Education/Public Outreach Documentation Form</i>			
<p>The Wisconsin Space Grant Consortium (WSGC) and NASA would like to thank you for giving our high-power rocket competition participants a chance to assist your organization. Please take a moment to fill in some information below to verify the students' participation. A portion of your team's competition score is based on their outreach activities. Fill out one form for each outreach event you conduct.</p> <p>The goal of this activity is to "raise awareness of, or interest in, NASA, its goals, missions and/or programs, and to develop an appreciation for and exposure to science, technology, research and exploration." One of the goals of First Nations Launch is to promote science, technology, engineering, and math (STEM) fields through educational opportunities throughout the United States. We are grateful for your involvement in this mission and we encourage you to be a part of additional projects that are taking place through NASA funding. If you have any questions about the competition or our organization, please visit our website at https://spacegrant.carthage.edu/</p>			
Your Team Information			
Team Lead's Name	Advisor's Name	Academic Institution	
Team Lead Signature	Advisor's Signature	Today's Date	
Event Information			
Date of Event	Approximate # of Attendees	List Each City, State, & Zip Code Where the Event Took Place	
Brief Description of Attendees (Click all that apply)		List All Organizations Involved With the Event	
<div>PreK: <input type="checkbox"/> Students <input type="checkbox"/> Teachers</div> <div>K-5 Grade: <input type="checkbox"/> Students <input type="checkbox"/> Teachers</div> <div>6-8th Grade: <input type="checkbox"/> Students <input type="checkbox"/> Teachers</div> <div>High School: <input type="checkbox"/> Students <input type="checkbox"/> Teachers</div> <div>University/Campus: <input type="checkbox"/> Undergrads <input type="checkbox"/> Graduate</div> <div><input type="checkbox"/> Administrator <input type="checkbox"/> Faculty</div>			



April & May Deliverables

April 9-11, 2025: Virtual Safety Inspections

April 21, 2025: LW Oral Presentation PPT Due

April 25-27, 2025: Launch Weekend

May 12, 2025: PLAR Milestone

- PLAR Report (Moon/Mars)
- Final Reimbursement Requests
- 2-3 Team Project Photos
- 1-2 minute #IAMFNL Video Due





Remaining Webinars:

- Build & Assembly Techniques Webinar
 - March 4, 2025 @ 4 pm CST
- Mandatory Launch Ops Webinar
 - April 8, 2025 @ 4 pm CST
 - Please use this as a guide in preparing for your launch day in Wisconsin
 - WSGC safety requirements
 - TRA requirements
 - Logistic FAQs
 - Competition Schedule





Remaining Meetings:

- FRR Virtual Presentations
 - March 24-28, 2025
- Virtual Safety Inspections
 - April 9-11, 2025
- Final Advisor/Mentor Meeting
 - April 15, 2025 @ 4 pm CST





Virtual Safety Inspections - April 9-11, 2025

- Separate from FRR due to this year's calendar adjustment
- Planning for Virtual Safety Inspections with Tripoli Wisconsin
 - Inspections take place **April 9-11**
 - Virtual Safety Inspection schedule will be booked similar to other milestones, meetings will be 10-15 minutes each - Judges may be in attendance
 - NEW: Teams will prepare/discuss Pre-Launch Checklist - Check Tools & Tips
 - Rockets 95-100% Ready to Fly
- Virtual Safety Inspection will involve:
 - A Zoom meeting where students show the status of the construction of the rocket to date
 - The construction of the rocket must be sound – fillets, bulkheads, rail buttons, recovery hardware and attachments, fitment, will be examined
 - Teams will be scored on their flight readiness (pre-launch checklist)
 - Pre-Launch Checklist is being reviewed/updated and will be posted to the website for teams to have access to and prepare for the inspection
 - Suggestions/corrections must be made prior to launch weekend arrival for final safety inspection on Friday
- Ensure you submit a recent RockSim file prior to inspection





The Everett Company – External Evaluation

- The plan
 - If the competition occurs:
 - Survey of the students/participants just before coming to Kenosha
 - Follow up survey right after launch weekend.
 - Individual/Team conversations may occur during launch weekend as time allows
 - If the competition is scrubbed:
 - One survey
- Please respond to The Everett Company/Steve Everett's emails accordingly





First Nations Launch Competition

- Friday, April 25, 2025
 - Welcome Breakfast and Competition Kick-off
 - Motor Build and Safety Inspections
 - Lunch - Advisor/Mentor Luncheon
 - Breakout Sessions/Judge's Rocket Review
 - Sessions TBD
 - Rocket Fair
 - Team Oral Presentations
 - Powerpoints must be sent in by 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





Welcome Breakfast Activity

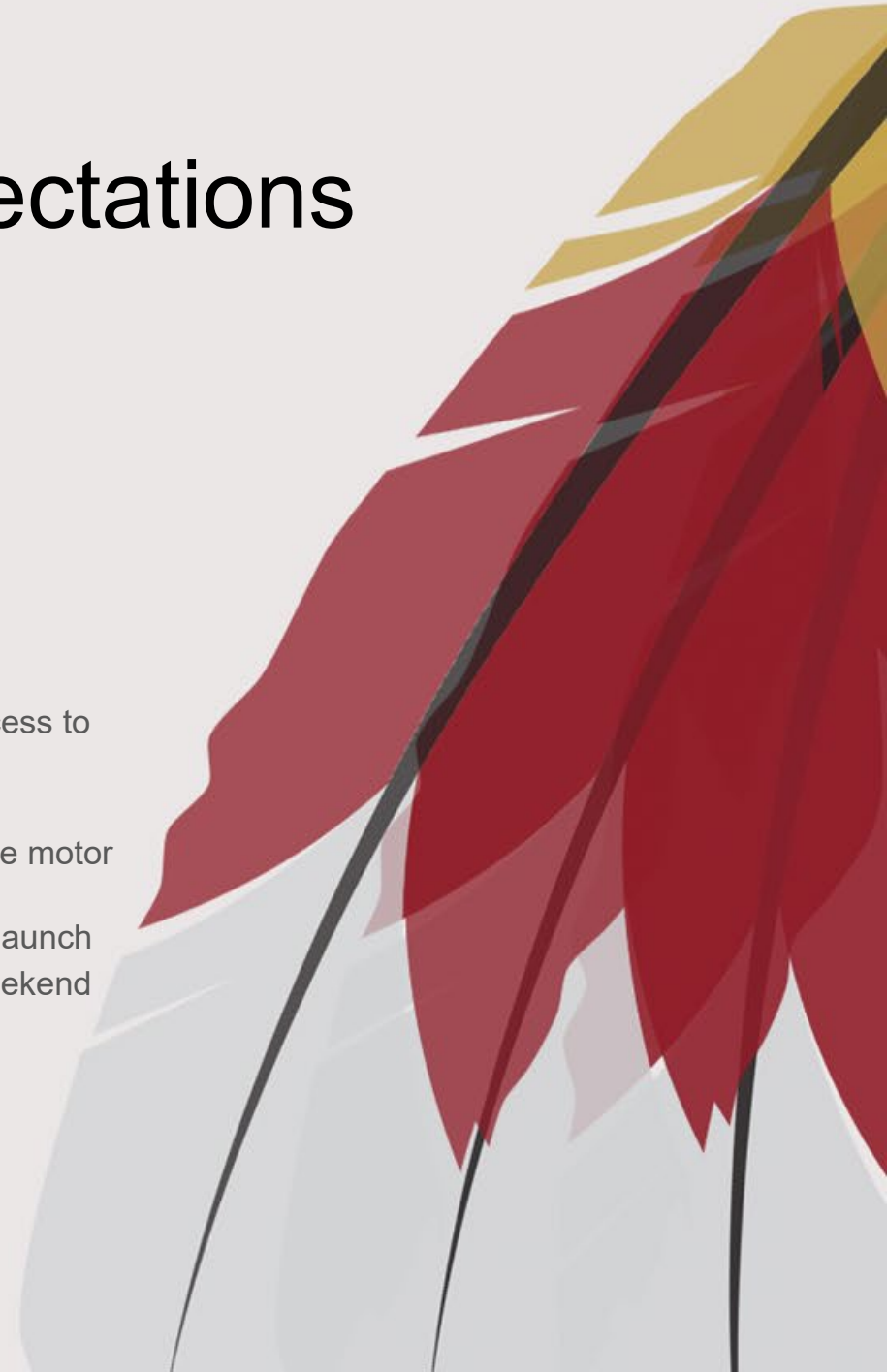
- In 2025... [Selection being finalized]
- In 2024, Northern Oklahoma College will help us connect with the stars
- In 2023, Northern Arizona University got us all moving with fancy dancing
- In 2022, University of Hawaii at Manoa taught us how to hula.
- In 2019, College of Menominee Nations taught us a tribal game.





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
 - 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
 - **Altimeter Flight Data must be turned in before departing the launch site**





Post Launch Day Expectations

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





Reimbursements

- Reimbursements are determined by your award document
- Verify the method selected, we must receive an email with an updated and signed award document from the advisor of record to change the reimbursement method
 - Reimbursement to Organization (School/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)





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

[illegible]



Advisors

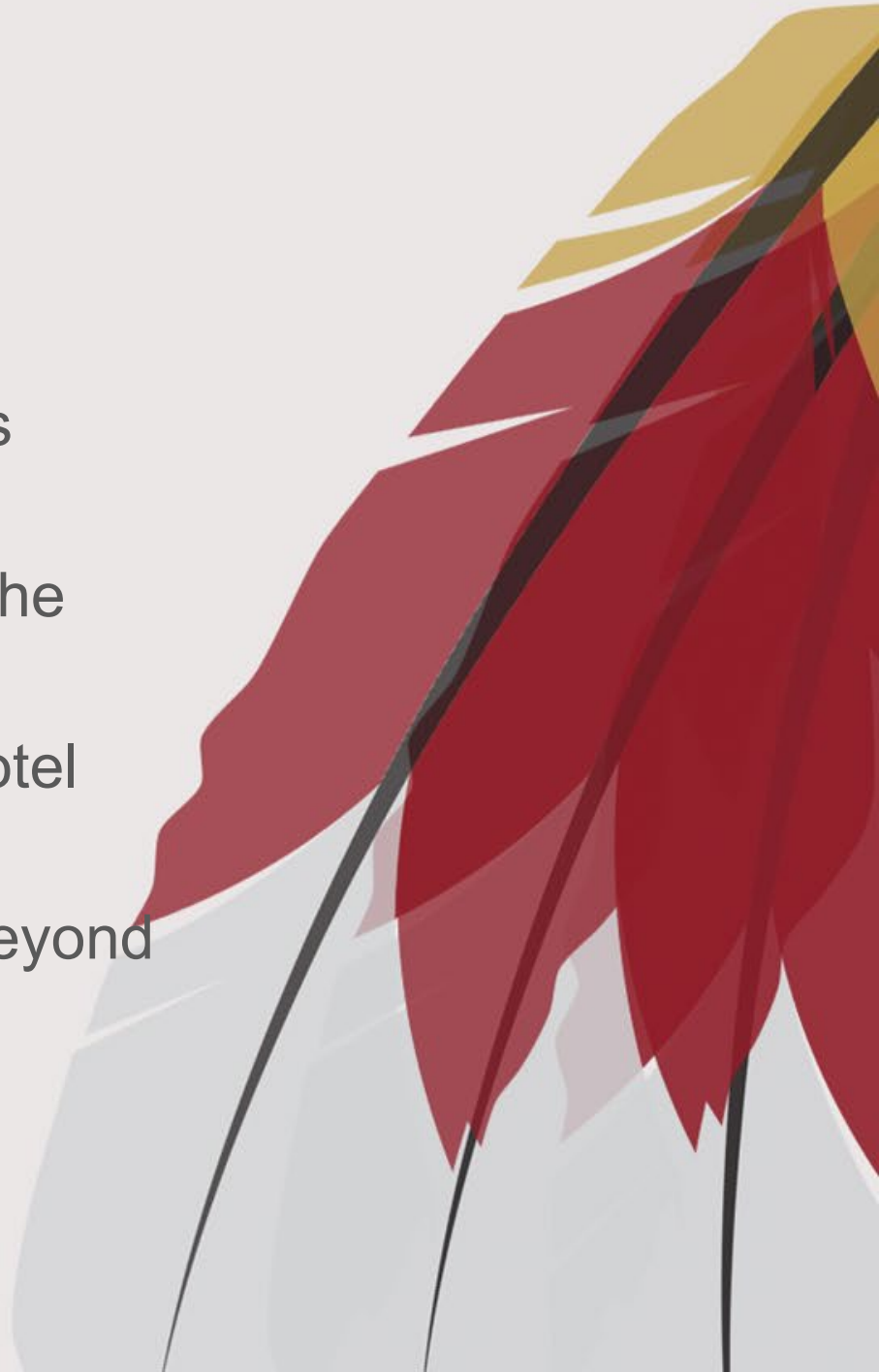
- Stipend breakout
 - \$500 for on-campus activities
 - \$500 for competition weekend - must travel to the competition
 - Stipend may be split between advisor and co-advisor(s)
 - Notify Connie on how you would like the stipend split when multiple advisors involved with the team
 - Any advisor receiving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





Mentors

- Not required to attend launch weekend - but always welcomed and encouraged to attend
- Mentors should be included on lodging list form in the team roster section.
- If mentor is traveling to WI, include in lodging list hotel rooms if lodging with team.
- Mentor/team is responsible for lodging expenses beyond 3 room/3 night limit
- Email Media Release to Connie Engberg (cengberg@carthage.edu)





Any Questions?

