Introduction: All First Nations Launch teams need to provide a PFR. This report is designed to give the FNL Committee a snapshot of your teams' flight mission, and is due anytime on February 12th, email to: hawkd_0212@menominee.edu. This questionnaire will guide on what the FNL committee is looking for in your PFR. The PFR is part of the overall FNL competition grade, but we ask that your team limit the PFR to no more than two pages. While writing the report please keep in mind that our focus is on having a Successful Flight Mission (SFM). In other words, your team needs to successfully fly and recover their rocket and obtain science mission deliverables with no damage.

1. List the top 2 or 3 science experiments that you are considering flying as your science payload. Tell us in one or two sentences what the experiment is used for and what results you might expect?

2. What size rocket(s) will your team be launching? Diameter, length, type and how many fins? Is the nose cone conical, round, or ogive? Will you be using small or large launch lug buttons?

3. What size rocket motor(s) is your team considering using; H, I, J, or K? Your team has the option to use the more powerful L. Will you be choosing the L option? What is your best guess of highest altitude your rocket will reach?

4. What size drogue and main parachutes does your team plan to use? Using RockSim9, do the parachute sizes result in safe descent speeds to prevent rocket damage upon landing? (Remember your team must have a SFM)

5. Are you planning to use a piston or wadding for the parachute deployment(s)?

6. Are you planning on using an audible alarm or any other rocket tracking device?

7. What will your pre-launch checklist look like? Who is responsible for the following: a) science payload, b) drogue parachute system, c) main parachute system, d) arming and programming the altimeters, e) launch team members, and f) recovery team members? If your team creates a pre-launch checklist please attach it to the PFR as an amendment.