

# Lakeshore Area Rocket Society – 2022 Rockets for Schools Payload Post-Launch Assessment Review (PPLAR) Program

## Purpose

The purpose of the PPLAR program is to further provide an assessment of the in-flight performance of payloads and create a database of payload designs, theories, performance, and results. Participation in the PPLAR is voluntary.

## Format

- The PPLAR shall be completed on 8.5 x 11 inch paper size with 1-inch margins.
- Prepare the PPLAR in either Arial 11 or Calibri 11 font.
- The PPLAR should be about 4 pages to a maximum of 10 pages in length.
- All PPLARs are to be submitted in Adobe PDF format.

## Content

The PPLAR shall include the following sections:

- Cover Page Titled: 2020 Payload Post-Launch Assessment Review (PPLAR) with Team Name, School/Club/Organization, and date prepared.
- Payload Description
- Payload Theory and Supporting Calculations
- Data Analysis and Results
  - Pre-flight Weight of Payload
  - Raw Data Summary
  - Physical Measurements
  - Visual Observations
- Payload Scientific Value
- Lessons Learned
- Summary of Overall Experience (what you attempted to do versus the results and how you felt your results were, quality of results, and how valuable the experience was)
- Photographic Documentation
  - Team Picture
  - The rocket pre- and post-flight
  - The payload pre- and post-flight.

## Acknowledgment and Award

All PPLARs will be reviewed for consistency in content requested above and data analysis. PPLARs should be well written and present a consistent theme and scientific process. All teams are encouraged to participate whether or not your payload performed as expected, did not work, or had completely different results.

All teams submitting a PPLAR will receive a certificate noting PPLAR participation. Based upon review of the individual PPLARs, teams will be awarded a \$25 or \$50 credit towards the 2023 Rockets for Schools event.

## Submittals

All PPLARs are to be received by Friday, May 31, 2022 in Adobe PDF format and e-mailed to [kenny@spaceportsheboygan.com](mailto:kenny@spaceportsheboygan.com). Late submittals will not be reviewed.

## Questions

Contact Kenny Bergschultz, Co-Director Rockets for Schools, at (920) 918-3299 or through e-mail at [kenny@spaceportsheboygan.com](mailto:kenny@spaceportsheboygan.com).