

The Wild Blue Yonder and Beyond

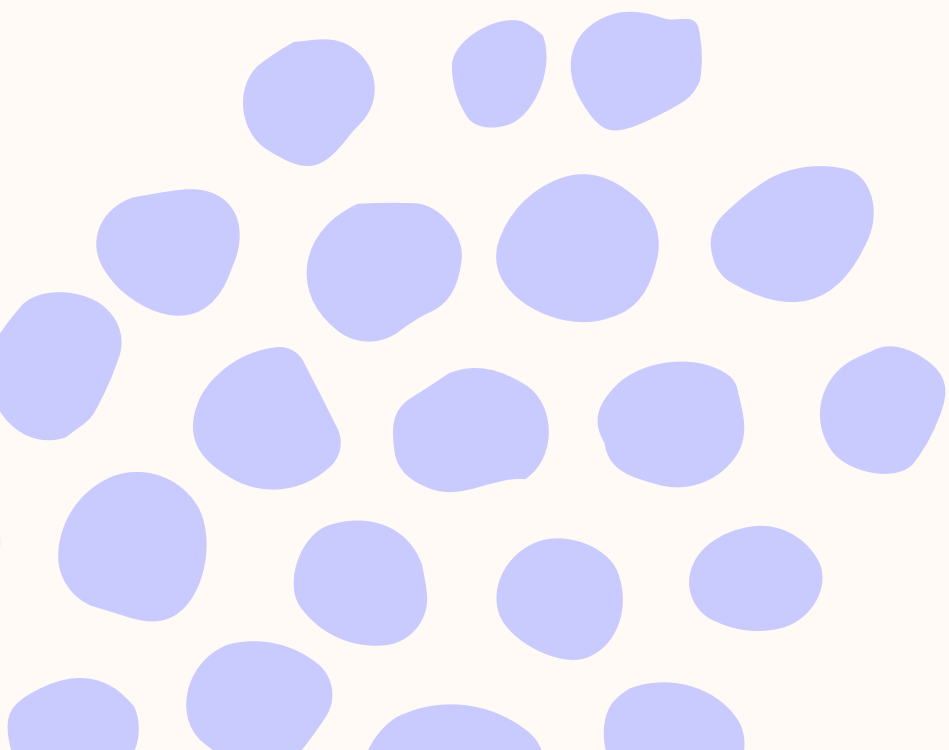
MVLD

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An Overview





An Overview

The MVLD has been involved with PNG since 2012. This year's project is "Wild Blue Yonder" A series of high-interest educational activities for youth in grades 5th-12th.

All programs are aeronautics and space-themed, in-person, and hands-on.



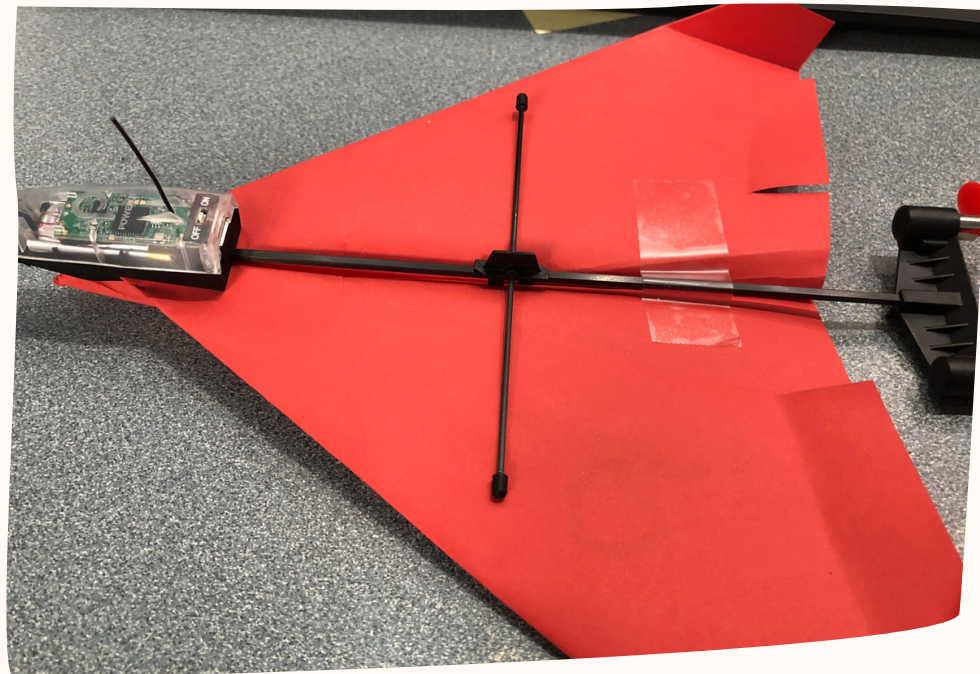
Activities



Activities



Engineering Drones
CIRCUIT SCRIBE
DRONES



Flights of Fancy
POWERUP 4.0
AIRPLANE



**Preparing for the
Eclipse**
ECLIPSE VIEWING
SUPPLIES

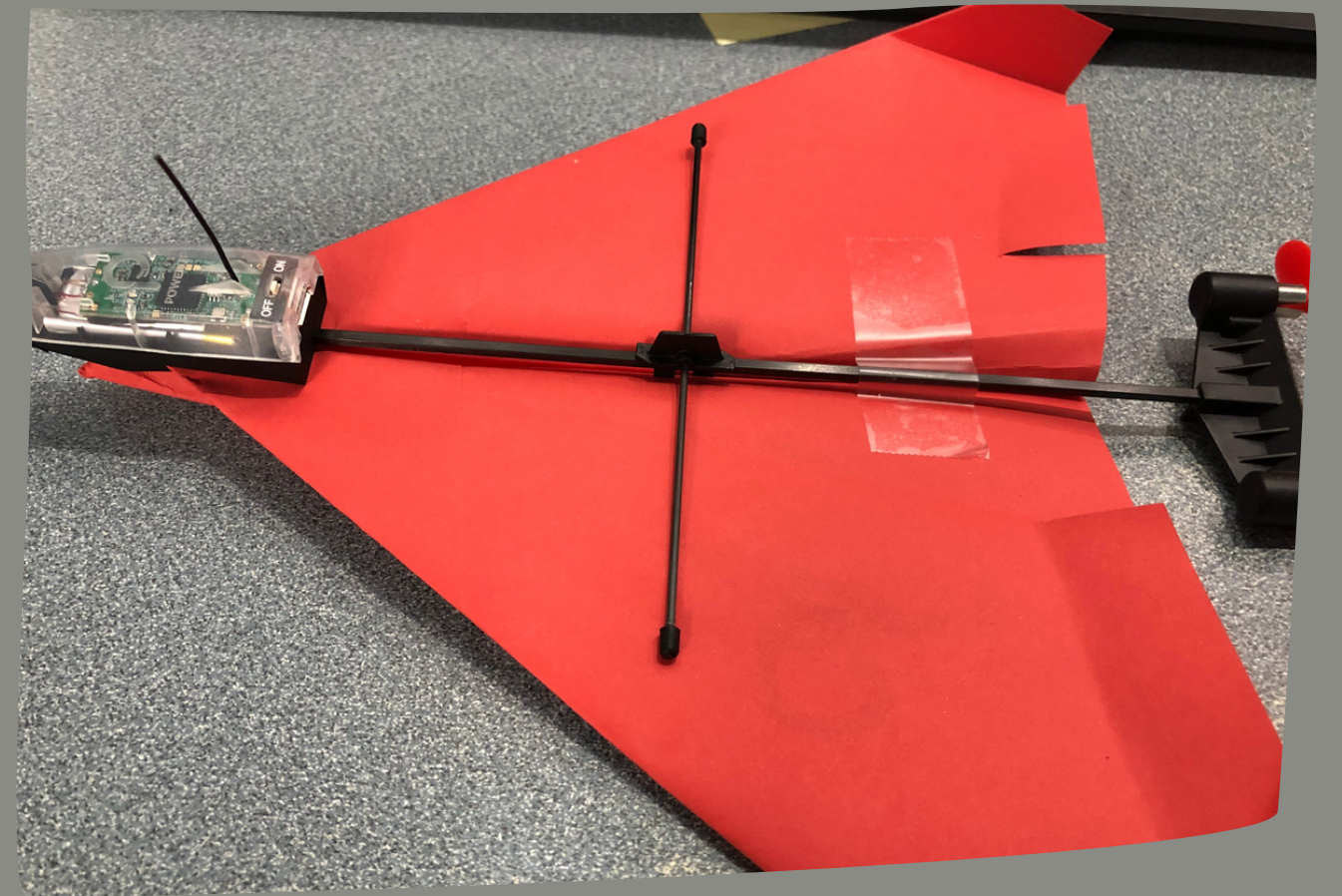


Exploring the Stars
STARSENSE EXPLORER

Flights of Fancy

Lets teens learn about fluid dynamics in a way they can see and test.

Teens learn about aeronautics in an assessable and easy-to-experiment-with way. Remote-controlled paper airplanes. The compatible app gives feedback on flight time etc.



Engineering Drones

Gives teens a chance to learn about engineering in a fun, hands-on way.

Teens get to learn about, draw circuits for, assemble, and fly drones.



Exploring the Stars

Youth get to learn how they can use telescopes for stargazing and looking at other celestial objects.

The telescope's smartphone app and dock allows for easier object spotting and gives educational info.



Preparing for the Eclipse

Teens get to build their eclipse viewers. They will also get eclipse glasses for safe viewing of the upcoming solar eclipse.



Funding



Funding

TOTAL

Our total funding from the PNG grant is \$6,474

TRAVEL

For our field trip to Boing and Scott Airforce base \$950 is budgeted

SALEREYS/WAGES/BENFITS

The expected amount of funding to be applied to wages is \$975 for an estimated 50hrs of time

SUPPLES AND MATERIALS

For supplies including the 2 telescopes, 20 drone kits, 20 RC paper airplanes, and various solar eclipse viewing supplies \$3960 is budgeted



Our History with PNG



Our history with PNG

We started working with the PNG grant in 2012 when it was invite-only.

Each year we do a themed or loosely themed series of programs. This year is space an aeronautics themed.





Successes

and

Challenges



Successes and Challenges

PNG activities are some of our most popular youth programs. They allow us to bridge the digital divide. Even after the activities are done the materials from the activities allow us to offer educational programs and in some cases even put the items into circulation.

Scheduling activities which require good weather or darkness can be difficult and hard to predict. Sometimes staff changes between the planning and running stages.

Questions?

Lee Friz

They/them

Leef@mvlid.org

