

# Help Send a Future Scientist to Space!

(not really space, but pretty close!)


The Northwest Indian College Space Center was started by students Robert Skaggs and Kyle Koos and instructor Gary Brandt as an idea to demonstrate practical uses for some of the electronics that other students built in NWIC's robotics and electronics classes. We decided upon water bottle rockets because of the no-cost feature and they can be built from everyday recyclable materials. We decided to call ourselves the Northwest Indian College Space Center.

The Space Center is a recognized NWIC student organization with a Board of Directors consisting of two of NWIC's administrators and four faculty members. The Space Center holds weekly rocket launches at the ball field next to NWIC, usually on Thursdays, weather permitting.

Then the First Nations Rocket Launch came to our attention during mid December 09. Gary emailed them asking to be put on the mailing list for the next one because this launch project had been in progress since October. The reply from them was to join the other Tribal Colleges in the competition and that the Space Center could be brought up-to-date. We decided to take part in the first ever Tribal rocket launch competition to be held at Menominee Nation College in Green Bay, Wisconsin during the first weekend of May 2010.

How would you and/or your department like to adopt and sponsor one (or more) of the rockets heading back East? This is a great way to support the students taking part in this exciting adventure!


1




**These are the Rockets**

|   | Rocket            | Length |
|---|-------------------|--------|
| 1 | Magnum            | 80 in  |
| 2 | Hi-Tech H45       | 54 in  |
| 3 | Hyper LOC 835     | 74 in  |
| 4 | D Region Tomahawk | 71 in  |
| 5 | Cyclotron         | 57 in  |
| 6 | Patriot           | 53 in  |
| 7 | Ariel             | 58 in  |


3




4




5




2



6



7



# ***And, what do you get for sponsoring a team member and their rocket?***

## **Individual Sponsorship**

1. For \$10.00, an 8x10 an autographed photo of the team member with your sponsored rocket AND a certificate of appreciation autographed by the entire Space Center Board of Directors and members.
2. For \$25.00, Item 1 PLUS be the Launch Control Officer of one of our weekly launches at NWIC

## **Departmental/Group Sponsorship**

1. For \$50.00, an 8x10 an autographed photo of the team member with your sponsored rocket, a certificate of appreciation autographed by the entire Space Center Board of Directors and members and, honorary membership as a supporting member of the Northwest Indian College Space Center.
2. For \$75.00, Item 1 PLUS the name of your department and the names of the department members inscribed on your rocket.
3. For \$100.00, Items 1 and 2 PLUS an authentic signed souvenir of the flight data log taken during an actual flight of your sponsored rocket.

Hurry, sponsor yours today! Even though there are only seven rockets, departments may team together to sponsor one or more. Individuals are also eligible for sponsoring.

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Name: \_\_\_\_\_

Sponsorship Level: \_\_\_\_\_

Name(s) to appear on rocket: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Contact Information: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Make Checks payable to: Gary Brandt/NWIC SC

Your donation may be tax deductible. NWIC is a 501c tax entity. Please check with your tax accountant.

# Tribal College High-Powered Rocket Launch 2010

## FIRST NATIONS ROCKET LAUNCH

### Sponsored by

College of Menominee Nation (CMN),  
National Aeronautics and Space  
Administration (NASA), Wisconsin  
Space Grant Consortium (WSGC), and  
University of Wisconsin-Green Bay.



Photo by BRB, Birmingham AL :  
"Packer 421", Five Clans Rocket Team, College of  
Menominee Nation. 2007 Level I Certification.

### College of Menominee Nation

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The College of Menominee Nation, along with sponsors NASA and the Wisconsin Space Grant Consortium will be hosting the first ever tribal college high-powered rocket competition at Richard Bong Recreational Area in Wisconsin on **May 1, 2** 2010.

The flight competition parameters are to launch a high-powered rocket carrying an on-board scientific payload. The rocket must successfully deploy a drogue parachute at apogee and a main parachute at approximately 600 feet above ground level. The rocket must land safely with little or no damage. The Tribal Rocket Team that flies their rocket closest to their predicted altitude will win the flight portion of the competition.

**THERE IS NO EXPERIENCE NECESSARY!** To help prepare for the competition, we are hosting two workshops at the CMN Green Bay campus. The first two-day First Nations Launch (FNL) Workshop is being held October 24-25, 2009 at College of Menominee Nation, Green Bay Campus in Wisconsin. The second workshop is a repeat of the first and will be held December 12-13, 2009. The workshops are designed to give tribal college faculty and students the necessary tools to successfully launch and recover a high-powered rocket.

FNL workshops will show students how to design, simulate, and build rocket components needed to compete in the First Nations Launch Competition held April 23-24, 2010 at Richard Bong Recreational Area in Wisconsin. It is not necessary to attend a workshop to compete in the launch competition, but it is recommended that at least one team member attend a workshop. We will help you find additional funding if necessary.

The October workshop registration deadline is October 2, 2009. Please visit the website below for registration, workshop, and launch information.

[WWW.UWGB.EDU/WSGC/FNL](http://WWW.UWGB.EDU/WSGC/FNL)