

# BARC Science Fair 2018

**When: August 1-3**

**What: Kids activities: 2:00-4:30 pm**

**Public BBQ: 5:00-6:30 pm**

**Science Presentations: 6:00-8:00 pm**

**Where: BARC at NARL (UIC Science)**

\*All youth attendees must complete registration form.

\*All youth 2nd grade and younger must have parent or guardian present to attend fair.

Visiting Scientists: NASA, UAF, DWM, UICS, NAVY, NOAA, USGS, UTEP, GVSU, SDSU, FSIU, NEON, NSF, AUDUBON AK, and more!

**CONTACT: KAARE at 907-297-8633 or [kaare.erickson@uicscience.com](mailto:kaare.erickson@uicscience.com)**

BARC Science Fair 2018 Registration and Parental Consent/Registration Form

Dear Parent/Guardian,

Quyanaq for your interest in the BARC Science Fair 2018! Please read all of the information on this consent form and sign, date, and provide your contact information. All students 2<sup>nd</sup> grade and younger must have a parent or guardian present to attend the fair. We apologize for any inconvenience.

BARC Science Fair 2018 Information:

**When:** August 1-3, 2:00-4:30 PM

**Where:** Barrow Arctic Research Center (UIC Science offices) on the NARL Campus

**What:** Fun science activities for youth (see attached agenda).

**Who:** Youth 3<sup>rd</sup> grade and older (with consent/registration form completed) and 2<sup>nd</sup> grade and younger (with completed consent/registration form AND parent or guardian present at the fair).

**Parent/Guardian please fill out the information below. Please use a separate form for each child:**

\_\_\_\_\_ has permission to attend the BARC Science Fair 2018 on Aug 1 – 3. The children's activities will run from 2:00 pm – 4:30 pm each day.

I give permission for \_\_\_\_\_ to receive emergency medical treatment. In the case of an emergency, please contact:

Name:

Phone number:

Parent/Guardian Signature: \_\_\_\_\_

Date: \_\_\_\_\_

*Please turn in completed consent/registration forms to UIC Science. You can either call Kaare 907-297-8633 so I can pick them up, or email to [michelle.frantz@uicscience.com](mailto:michelle.frantz@uicscience.com) or [kaare.erickson@uicscience.com](mailto:kaare.erickson@uicscience.com).*

*PARENTS: We will be having a BBQ each day that starts at 5:00 PM following the children's activities. We would love it if you and your family stayed to eat. Each night we will begin science presentations at 6:00 pm in the BARC large conference room. We will give out door prizes every 20 mins between presentations. See attached agenda for more information.*

# BARC Science Fair '18, Aug. 1-3 Agenda



Hosted by UIC Science, LLC

	Wednesday Aug. 1	Thursday Aug. 2	Friday Aug. 3
TIME	Youth Activities 2:00-4:30	Youth Activities 2:00 -4:30	Youth Activities 2:00- 4:30
1:00	Registration Begins	Registration Begins	Registration Begins
2:00	<p><b>All Youth:</b>  <b>Meet TunnelMan, a real-life Science Superhero who has been frozen in the permafrost for thousands of years! (Look up TunnelMan on YouTube!)</b></p> 	<p><b>Youth Activity Session 3:</b>                      -NSB Wildlife Department of Wildlife Management Activities (Group One)                      -Utilizing Traditional Knowledge for Science (Group Two)</p>	<p><b>Youth Activity Session 6:</b>                      -UIC Science Activity Workshop (Group One)                      -Trapping Critters for Science (Group Two)</p>
2:40	Break	Break	Break
2:50	<p><b>Youth Activity Session 1:</b>                      -Make Frost Tubes with TunnelMan to measure the permafrost levels around the BARC (Group One)                      -Alaska Science Center Activities (Group Two)</p>	<p><b>Youth Activity Session 4:</b>                      -Bird Walk with Audubon Alaska (Group One)                      -NSB Department of Wildlife Management Activities (Group Two)</p>	<p><b>Youth Activity Session 7:</b>                      -NASA Workshop (Group One)                      -UIC Science Activity Workshop (Group Two)</p>
3:30	Break and Snack	Break and Funnel Cakes	Break and S'mores
3:40	<p><b>Youth Activity Session 2:</b>                      -Alaska Science Center Activities (Group One)                      -Make Frost Tubes with TunnelMan to measure the permafrost levels around the BARC (Group Two)</p>	<p><b>Youth Activity Session 5:</b>                      -Utilizing Traditional Knowledge for Science (Group One)                      -Bird Walk with Audubon Alaska (Group Two)</p>	<p><b>Youth Activity Session 8:</b>                      -Trapping Critters for Science (Group One)                      -NASA Workshop (Group Two)</p>
5:00	<p><b>BARCbeque</b> Food provided by IIsaġvik College </p>	<p><b>BARCbeque</b> Food provided by NSB Dept. of Wildlife Management </p>	<p><b>BARCbeque</b> Food provided by UIC Science </p>
	<p><b>Kids Activity Room: Glow-in-the-dark bouncy balls, color-changing slime, + more!</b>                      Science Presentations in the BARC Large Conference Room start at 6:00                      MC: Stephanie Gaff and Michelle Frantz</p>	<p><b>Kids Activity Room: Make Ice Cream out of Dry Ice!</b>                      Science Presentations in the BARC Large Conference Room start at 6:00                      MC: Kaare Sikuaq Erickson</p>	<p><b>Kids Activity Room: Grand Valley State University</b>                      Science Presentations in the BARC Large Conference Room start at 6:00                      MC: Nagruk Harcharek</p>
	Door Prize: 300 pc Frist Aid Kit	Door Prize: Stanley Classic Thermos	Door Prize: \$100 Gas Voucher for Utqiagvik
6:00	<p>National Ecological Observatory Network -                      Dr. Rommel Zulueta, Battelle Ecology</p>	<p>Ecological Hotspots of the Bering, Chukchi, and Beaufort Seas -                      Max Goldman and Erika Knight, Audubon Alaska</p>	<p>Utilizing Traditional Knowledge to Help Scientists -                      UIC Science Staff</p>
	Door Prize: Camping Solar Panels with 2 USB Ports	Door Prize: Backpack w/ Solar Panels	Door Prize: Camping Solar Panels with 2 USB Ports
6:20	<p>Long Term Ecological Research in Utqiagvik -                      Dr. Vanessa Lougheed, University of Texas El Paso</p>	<p>Rewriting NSF Guidelines for Working with Arctic Communities-                      Meredith LaValley, IARPC / UAF</p>	<p>Arctic Research in Utqiagvik, An Iñupiat Perspective -                      Richard Glenn, ASRC</p>
	Door Prize: 2-Burner Coleman Stove	Door Prize: 300 pc Frist Aid Kit	Door Prize: Life Straw Backpack Filter
6:40	<p>USGS Science on the North Slope -                      Dr. John Pearce, USGS Alaska Science Center</p>	<p>Methane at the Zero Curtain in Arctic Alaska -                      Dr. Zona Donatella, San Diego State University</p>	<p>Navy ICEX 2018 - Submarine Wartime Exercises -                      Michael Thomas and Nelson Nungasak, ICEX Hosts for UIC Science</p>
	Door Prize: Life Straw Backpack Filter	Door Prize: \$75 Gas Voucher for Utqiagvik	Door Prize: Quadcopter Drone w/ Video
7:00	<p>NOAA Barrow Observatory Update -                      Bryan Thomas, Barrow Observatory Station Chief</p>	<p>Accessing Herbivore Impacts on Carbon Cycling in N. Alaska-                      Austin Roy, PhD Student, University of Texas El Paso</p>	<p>NASA Europa Mission -                      Tedrick Mealy, NASA/University of Washington</p>
	Door Prize: 4 pc Life Vest Family Set	Door Prize: 4 pc Life Vest Family Set	Door Prize: 4 pc Life Vest Family Set
7:20	<p>North Slope Permafrost Research Update -                      Dr. Kenji Yokishawa, Water and Environmental Research Center, UAF</p>	<p>North Slope Wildlife Science Update -                      NSB Department of Wildlife Management</p>	<p>International Tundra Experiment -                      Dr. Steve Oberbauer, Florida State International University</p>
	Door Prize: Uniden Atlantis 270 Handheld VHF	Door Prize: Garmin GPS Etrex Color Screen	Door Prize: Garmin Inreach Explorer Plus Satellite Text Device



UIC Science believes in meaningful, safe, and respectful science.. especially when it's in our back yard! Quyanaqpak for taking part in the Science Fair!

Questions? Please contact 907-297-8633 or kaare.erickson@uicscience.com