Science Institute

What is Science Institute?

Join the ExplorOlogy® at the Sam Noble Museum for an innovative professional development experience. Elementary, Middle and High school teachers are invited to participate in a 4-day Science Institute at the Museum on the campus of the University of Oklahoma. Teachers will conduct scientific investigations with Museum and University scientists to build a deeper understanding of science, inquiry and the nature of science, and then apply these experiences to develop strategies that promote learning in their classrooms.

Science Institute will engage teachers:
- In designing and conducting scientific investigations, including understanding how to develop testable hypotheses, collect and analyze data, and interpret and communicate results of their investigations.
- In facilitating inquiry in the classroom setting.
- In using a variety of technologies (including laptop computers, video camcorders, digital cameras, scientific probes) to collect data, analyze, graph and communicate scientific results.
- In adapting their current curricula to include more student inquiry.

During the 2016 to 2017 school year, ExplorOlogy® may provide additional professional development through museum resources and/or outreach programming. These programs will model approaches and ideas to infuse inquiry into the classroom.

2016 Program Dates

Monday, July 25 to Thursday, July 28, 2016

Participant Requirements

- Complete the application process and submit application materials to be postmarked by April 29, 2016.
- Actively take part in the entire 4-day Science Institute (late arrivals/ early departures are not acceptable).
- Stay in the lodging provided by ExplorOlogy® (or guarantee your presence during the entire workshop)
- Participate in follow-up and assist in facilitation of distance learning activities at your school.
- Complete follow-up surveys concerning the implementation of inquiry and interpretation into your classroom.
Food, Lodging and Stipends

**Lodging:** Participants will be provided with lodging near the University of Oklahoma campus in Norman during Science Institute.

**Food:** Breakfast, lunch and morning/afternoon snacks will be provided Monday-Thursday. Dinners will be the responsibility of the participant.

**Stipend:** Each teacher that completes the entire Science Institute will be paid a stipend of $400. No other travel expenses will be reimbursed.

Who Should Apply?

Science Institute is designed for public, private or homeschool teachers (K-12) throughout the state of Oklahoma. Teachers are encouraged to apply in teams (i.e., more than one teacher from the same school, district or region) to create a support network after the workshop. Each teacher needs to complete an individual application. The application process is competitive.

How to Apply

Mail, Fax or Complete Online:

- A Science Institute application (including Teacher and Principal Sections).
- Individual and/or team phone interview may be required.

**Application Due:** Friday, April 29, 2016 (postmarked)

**To:** ExplorOlogy®
Sam Noble Museum
2401 Chautauqua Ave.
Norman, OK 73072

Fax: (405) 325-4436

Email: explorology@snomnh.ou.edu

Questions? Contact us at:
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http://samnoblemuseum.ou.edu/programs/explorology/