

Summer 2004 Workshops

Project SOAR in Math and Science

Using Aerospace in the Classroom

with links to the Ohio Academic Content Standards

Explore Topics in Aerospace Education at the United States Air Force Museum during this fast-paced, hands-on, minds-on program for Grades 4-9 math and science teachers.



Teachers will receive:

- *Stipend based on the five day session plus the fall seminars (\$300)*
- *\$350 worth of classroom materials including books, materials, and Flight Simulator software*
- *Resource materials from the USAF Museum, Civil Air Patrol, and NASA*
- *Option to purchase up to 6 hours graduate credit (at half price)*
- *Partial reimbursement provided for a substitute teacher so participants may attend the two follow-up seminars (public schools only at \$85/day)*
- *Travel funds - \$50 /Teacher*

Please share this information with others who may be interested.

Support for Project SOAR is provided through a grant from the
Improving Teacher Quality Program of the Ohio Board of Regents

See application and information pages below:

**The University of Dayton, School of Education and Allied Professions and
The United States Air Force Museum
invite teachers to participate in: PROJECT SOAR in Math and Science**

PROJECT SOAR is a training course for Ohio teachers in grades 4-9 conducted by the United States Air Force Museum. The course includes a half-day spring orientation, five-day summer workshop, and 2 full-day follow-up seminars.

The goal of SOAR in Math and Science is to inspire teachers to capture the interest and enthusiasm of students using aviation and space concepts and a "hands-on" approach. You will learn to integrate aerospace lessons into your core curriculum, satisfying state standards in math and science.

As you SOAR through the program, you will:

- Receive Aerospace Instruction and advice on links with Ohio Academic content Standards
- Experiment with Model Airplanes
- Build Kites, Hot Air Balloons and use weather activities
- Visit Miami Valley aviation heritage sites
- Learn about navigation and fly a route with a flight simulator.



*The workshop is designed with activities for grade levels from 4-9.
Participants will be divided into working groups based on grade levels and interest areas.*

Each teacher will receive:

- Stipend based on the orientation, five day session, & independent work plus the 2 follow-up seminars (\$300)
- \$350 worth of classroom materials including books, materials, and Flight Simulator software
- Resource materials from the USAF Museum, Civil Air Patrol, and NASA
- Option to purchase up to 6 hours graduate credit (at half price)
- Partial reimbursement provided for a substitute teacher so participants may attend the two fall seminars (public schools only at \$85/day)
- Travel funds - \$50 /Teacher

Each teacher will be required to:

1. Attend spring orientation on Saturday May 1 or Saturday May 8, 2004
2. Complete a Centennial of Flight activity
3. Attend all days of the summer workshop and attend the two follow-up seminars in the fall/winter 2004-05.
4. Design aerospace activity linkages with content standards in mathematics and science with assessment strategies. Computer skills are required.
5. Complete an action plan (and reflection) for implementation of aerospace activities in teaching assignments.
6. Complete items for your IPDP that are results of your SOAR participation
7. Establish and maintain online communications with a SOAR mentor and others.

IMPORTANT DATES

Saturday May 1 OR May 8	9:00-1:00	Orientation Seminar
Monday-Friday, June 21-25 OR July 19-23	9:00-4:30	Daily Workshop
Two follow-up seminars during the school year		

PROJECT SOAR is led by a team of experienced aerospace educators from the United States Air Force Museum, University of Dayton, and the Civil Air Patrol.

Summer Workshop: June 21-25 or July 19-23

Teacher...to the APPLICATION below, please attach:

1. A lesson plan that you created (or modified from another source) on a math or science topic of your choosing. Add a reflection (about 150 words) on how the Ohio Academic Standards Indicator(s) was addressed with this lesson. Please do not just send a photocopy of a text book lesson.
2. A letter of endorsement from your principal supporting this application and indicating that the teacher will be permitted to attend two one-day follow-up seminars and work to implement their aerospace lesson plans within the curriculum. (We will pay up to \$85/day for substitutes only for public school participants.)

Teacher selection begins in early spring.

Preference will be given to teachers from underrepresented and underserved districts.

Please submit your application to Project SOAR as soon as possible. Space is limited!

Mail or Fax your application package to:

Diana Hunn
Project SOAR
Teacher Education
University of Dayton
Dayton, OH 45469-0525
FAX: 937-229-2500



Incomplete packages will not be considered.

Questions? Please call:

Diana M. Hunn, Ph.D.
University of Dayton (937) 229-3316; Home (937) 298-6608
Email: diana.hunn@notes.udayton.edu

Judith Wehn
Chief, Education Division
USAF Museum (937) 255-8048, ext. 334
Email: judith.wehn@wpafb.af.mil

Janet Herrelko, Ed.D., NBCT
University of Dayton (937) 229-3037
Email: janet.herrelko@notes.udayton.edu

