



January 4, 2019

Dear Colleagues,

It is my pleasure to announce the seventeenth AERO Summer Institute, which will be held during the week of June 24-28, 2019 at Marymount University in Arlington, Virginia. The 2019 AERO Summer Institute is making a shift. Five of the curriculum workshops: Math K-8, English/Language Arts, Science, Social Studies, and World Language will focus on developing units and identifying appropriate resources to support the implementation of the units. Therefore, in these workshops priority acceptance will be given to school teams in a subject area who are working in schools that have adopted and implemented the AERO Standards Framework and who have experience in the “Understanding by Design (UBD)” approach to unit development.

Two additional workshops will be offered: Academic Leaders is intended for Heads of Schools, Principals, and Curriculum Coordinators who are responsible for the planning or implementing of a Standards-Based Curriculum. Math Curriculum on modeling and problem solving, Grades 8-12 is designed for high school mathematics teachers who want to make math more accessible and richer. The goal is to build a solid foundation of the learning progressions and apply that knowledge to planning for student engagement in the standards for mathematical practice.

The AERO Summer Institute is hosted by Marymount University in Arlington, Virginia, and is supported by the Office of Overseas School (A/OPR/OS). The purpose of the institute is to provide teachers and administrators in overseas schools with the skills and knowledge needed to develop and implement standards-based K-12 curricula. The work will be based on the validated standards developed by Project AERO, which will be used as a model.

The number of spaces available in each workshop is limited, and we encourage schools to send teams of participants. Please see the attached workshop descriptions for more information. All workshops will be held in the classrooms at Marymount University and participants will be accommodated at no cost in Marymount University housing in Arlington, Virginia, on the nights of June 23-June 27 (check out is Friday morning). (Participants will be expected to participate Monday until Friday at noon.) Meals will be provided. Costs to participants and/or schools include transportation, any meals not provided by the institute, incidentals, and any additional nights of accommodation.

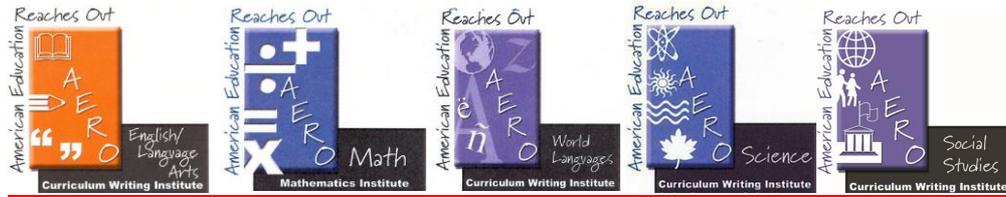
Please ask each applicant to review the program and to complete a registration form. ***Registration forms should be received by the Office of Overseas Schools by March 1, 2019. Participants will be informed of their selection during mid to late March.*** The AERO Summer Institute has been designed by educational practitioners for other educators. We hope that it meets the needs of your faculties, and schools and assists you in improving the educational opportunities and curriculum of your school.

Sincerely,

A handwritten signature in blue ink that reads 'Bea Cameron'.

Beatrice H. Cameron  
Regional Education Officer for East Asia  
Office of Overseas Schools

Enclosures: As stated.



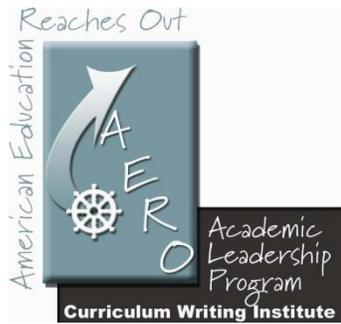
The AERO Summer Institute brings together teams of teachers to collaborate in standards-based unit development and assessment design. ***The primary audience for this institute is teachers working in schools that have adopted and implemented the AERO Standards Framework and who have experience in the "Understanding by Design" approach to unit development.***

### **Outcomes:**

Participants will leave the institute with units and the knowledge necessary to share standards-based units with colleagues at their schools. Participants will also identify appropriate resources to support the implementation of the units developed during the institute.

Institute participants will:

1. Review the AERO standards framework noting the alignment with other relevant frameworks (e.g., NGSS for science, ACTFL for world languages).
  - Investigate how conceptual understandings, knowledge and skills build across grade levels
  - Examine critical areas of instruction at each grade level and discuss strategies for ensuring student proficiencies in these areas
  - Analyze practices and explore how to build these into daily instruction.
2. Review the fundamental components of standards-based unit design
  - Review the "Understanding by Design" process for unit development, including enduring understandings and essential questions
  - Review critical elements of designing standards-based formative and summative assessments aligned with performance indicators
  - Discuss how to unify subject-specific content with subject-specific practices
3. Collaboratively design units for the elementary, middle school and high school levels
  - Utilize the AERO unit development template and the "Understanding by Design" process to develop, exemplar units for each level
  - Create instructional strategies congruent with the unit assessments
4. Identify and recommend resources that support and enhance the units that have been developed.
  - Review existing AERO resources
  - Identify and add new resources



**AERO Summer Institute  
at Marymount University  
Academic Leadership Institute  
[www.projectaero.org](http://www.projectaero.org)  
June 24-28, 2019**

The audience for this institute is academic leaders (e.g. heads of school, principals, curriculum coordinators, and department heads) in schools that are planning to, or are in the process of, adopting a standards-based curriculum. Participants will collaborate with academic leadership peers in examining processes and structures that support schools as they become standards-based. The week will focus on leadership, the change process and implementation strategies. Participants will examine standards-based curriculum, instruction, assessment, and planning.

The work will be based on the standards developed by Project AERO. These can be viewed at [www.projectaero.org](http://www.projectaero.org).

Institute participants will:

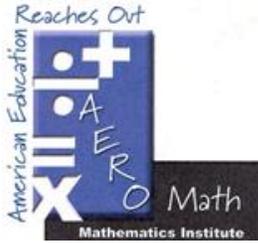
- Examine the relationship between standards, curriculum and assessment
- Review the principles of "backward design", moving from "starting with the end in mind" to evidence of student learning and designing aligned learning experiences
- Highlight the factors guiding instructional decisions, including student performance data
- Use a planning model to guide the process of standards implementation
- Consider relevant professional development options
- Develop strategies to support faculty in the change process
- Work with protocols for team leadership and collaboration
- Acquaint themselves with the AERO Frameworks in the various subjects
- Review representative current research and best practices on school leadership

Participants will leave the Institute with a developed plan for moving forward within the context of their school's needs.

This Institute will be limited to 20 participants. Registration will be on a space-available basis. Schools are encouraged to send a team of academic leaders.

Please send, email or fax the completed registration form by **March 1, 2019** to:

**Chenique Lofton**  
U.S. Department of State  
Office of Overseas Schools  
SA-I, Room H328  
Washington, DC 20522-0103  
E-mail: [Loftoncc@state.gov](mailto:Loftoncc@state.gov)  
Fax: (202) 261-8224



**AERO Summer Institute  
At Marymount University  
Math, Grade 8-12  
[www.projectaero.org](http://www.projectaero.org)  
June 24-28, 2019**

## **Implementing a Mathematics Curriculum Focused on Modeling and Problem Solving**

Engaging students in meaningful mathematics requires planning. In order to engage students in meaningful mathematics, teachers must first make sense of the learning progressions, then select tasks that support developing student understanding of the content and they must plan on how to engage students in the mathematical practices.

The AERO Summer Math workshop is designed for mathematics teachers, 8-12, who want to make math more accessible and richer. It is an opportunity to plan with Graduates of the AERO Math Specialist in International Schools and Mathematics Fellows in International Schools who are implementing the AERO Math Standards.

The goal of the institute is to build a solid foundation of the learning progressions and apply that knowledge to planning for student engagement in the Standards for Mathematical Practice. Participation will provide participants the opportunity to deepen their knowledge and understanding of the AERO Mathematics Standards through the following:

- Identifying and adapting high cognitive demand tasks aligned to the learning targets that foster problem solving and discourse with a focus on modeling; and
- connecting inquiry-based strategies to the Mathematical Practices to inform real- world connections;

Throughout the experiences, participants will continuously connect what they learned to the ideas of focus, coherence, and rigor that should be evident in daily mathematics instruction for all students. Focus provides the opportunity to teach for depth. Coherence insures that the mathematics taught is connected to mathematics within the same grade or course and mathematics across topics in other grades or courses. Planning for rigor ensures that both concepts and procedures are emphasized as students solve problems and make sense of mathematics. Participants will leave the Institute with a developed plan for moving forward within the context of their school needs.

This Institute will be limited to 20 participants. Registration will be on a space-available basis. Schools are encouraged to send a team of academic leaders.

Please send, email or fax the completed registration form by **March 1, 2019** to:

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Fax: (202) 261-8224

**AERO Summer Institute**  
**Marymount University**  
**June 24-28, 2019**



**APPLICATION FORM: PRINT LEGIBLY and COMPLETE IN FULL**

School: \_\_\_\_\_

City: \_\_\_\_\_ Country: \_\_\_\_\_

Fax #: \_\_\_\_\_ Telephone #: \_\_\_\_\_

This application is for the following workshop:

\_\_\_ Mathematics **K-8**                      \_\_\_ English/ Language Arts                      \_\_\_ World Language  
\_\_\_ Mathematics **8-12**                      \_\_\_ Science                      \_\_\_ Social Studies  
\_\_\_ Academic Leaders

**Each applicant must complete an application form. Please review the invitation letter for participation requirements/expectations. (NB: Preference will be given to school teams that are participating in the same subject area workshop.)**

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

Current teaching assignment: \_\_\_\_\_

Personal e-mail address: \_\_\_\_\_ (to facilitate communication if/when the school is closed)

Are you working in a school that uses the AERO Framework?    Yes\_\_\_ No\_\_\_

Do you have experience in writing units?                      Yes\_\_\_ No\_\_\_

Participants are expected to bring a lap top computer with them to use during the sessions.

**Accommodations**

Housing for all participants will be provided at no charge in single rooms in Marymount dormitories. Check-in is on Sunday; check-out on Friday at 1:00 p.m. (The workshop ends at 12:30 p.m. on Friday.) Participants are expected to arrive by 3:00 p.m. on June 23rd and stay for the entire week.

Please indicate the nights for which you need accommodation at Marymount.

Sunday\_\_\_ Monday \_\_\_ Tuesday \_\_\_ Wednesday \_\_\_ Thursday \_\_\_

Please indicate gender (for room assignment purposes) Male\_\_\_ Female\_\_\_

If needed, would you be willing to share a room with a colleague from your school?    \_\_\_Yes    \_\_\_No

**Meals**

Breakfast, lunch and dinner will be provided in the university dining room. Please indicate dietary restrictions if any: \_\_\_\_\_

**There will be a Institute orientation, and welcome dinner Sunday, June 23, beginning at 5:30 p.m.**

Signed (School Director): \_\_\_\_\_ Date: \_\_\_\_\_

**The application must arrive by March 1, 2019.** Please E-mail or FAX the completed form to:

Chen Lofton, U.S. Department of State  
Office of Overseas Schools, SA-1, Room H328  
Washington, DC 20522-0103  
E-mail: [loftoncc@state.gov](mailto:loftoncc@state.gov)  
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