



January 6, 2020

Dear Colleagues,

It is my pleasure to announce the seventeenth AERO Summer Institute, which will be held during the week of June 21-26, 2020 at Marymount University in Arlington, Virginia. 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 modeling and problem solving, Grades 6-12 is designed for secondary 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 (www.projectaero.org).

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, for the nights of June 21-June 25 (check out is Friday, June 26 at 1PM). Participants are expected to participate from Monday morning 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 2, 2020. 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,

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.***

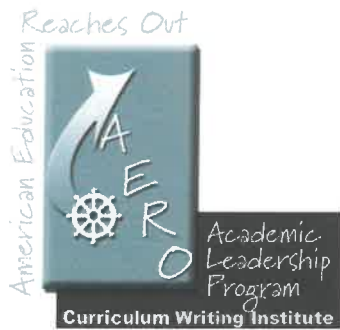
Outcomes:

Participants will leave the institute with a deeper understanding of standards-based unit design and the knowledge necessary to share standards-based units with colleagues at their schools. Participants will also identify appropriate resources to support their colleagues in the development of units back at their schools.

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 study exemplary units for different grade levels
 - Utilize the AERO unit development template and the “Understanding by Design” process to develop and/or unpack 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

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**AERO Summer Institute
at Marymount University
Academic Leadership Institute
www.projectaero.org
June 21-26, 2020**

The audience for this institute is academic leaders (e.g. heads of school, principals, curriculum coordinators, instructional coaches, 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.

Institute participants will:

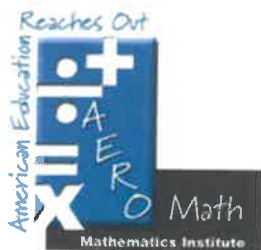
- Examine the relationship between standards, curriculum and assessment
- Review the principles of "backward design", moving from "starting with the end in mind" to evidence of student learning and designing aligned learning experiences
- Highlight the factors guiding instructional decisions, including 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 2, 2020** to:

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**AERO Summer Institute
At Marymount University
Math, Grades 6-12
www.projectaero.org
June 21-26, 2020**

Assessing Mathematical Literacy Grades 6-12

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, Grades 6 -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.

“Mathematical literacy is an individual’s capacity to reason mathematically and to formulate, employ and interpret mathematics to solve problems in a variety of real-world contexts. It includes concepts, procedures, facts and tools to describe, explain and predict phenomena.” (OECD PISA Framework 2021).

The central idea of mathematical literacy is that it is about how mathematics is used in our daily lives. To achieve mathematical literacy, students must have the opportunity to formulate, apply, and interpret mathematics in authentic problem-solving situations (modeling). The Summer AERO Institute will focus on identifying and adapting modeling (authentic) tasks which will provide opportunity to develop and assess mathematical literacy. The 3 criteria, (Concepts and Procedures, Problem Solving, Communicate Reasoning) for assessing mathematics literacy will frame our discussions. Examining tasks, we will focus on two questions:

- What does it look like when students are engaged in authentic problem solving?
- What does it look like when students are communicating their mathematical reasoning?

The goal of the institute is to develop a shared understanding of modeling (solving authentic problems) as intended in the AERO Standards and PISA Framework.

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

Please send, email or fax the completed registration form by **March 2, 2020** to:

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**AERO Summer Institute
Marymount University
June 21-26, 2020**



APPLICATION FORM: PRINT LEGIBLY and COMPLETE IN FULL

School: _____

City: _____ Country: _____

Fax #: _____ Telephone #: _____

This application is for the following workshop (Choose one):

___ Mathematics **K-8** ___ English/ Language Arts ___ World Language

___ Mathematics **Gr. 6-12** ___ 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 ___

Note: Participants are expected to bring a laptop computer 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 21st 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 ___

Note: Participants are not required to stay at Marymount if they prefer to make other arrangements at their own cost.

Meals

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

There will be an Institute orientation and welcome dinner Sunday, June 21, beginning at 5:30 p.m.

Signed (School Director): _____ Date: _____

The application must arrive by March 2, 2020. Please E-mail or FAX the completed form to:

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