Expanding the Curriculum with the Geogebra Application

Name of the Facilitator: Matthew Krebs
Qualifications: Instructor
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Program Name: Expanding the Curriculum with the Geogebra Application
Credit Hours: 36

Program Description

This course explores the practical usages of the Geogebra application in teaching. Skills for creating visually interactive user-friendly applets will be developed. Students learn about underlying programming structures/ commands and methods of construction -then work to create an online portfolio of demonstrations, games and interactive challenge sets -which will help them to expand the curriculum.

Objectives of Program

1.Investigate formatting problems and select appropriate strategies to eliminate the chance for potential difficulties. 2.Construct programming commands to support edits and the creation of Applets. 3.Differentiate areas of need and areas of opportunity (from those areas that are not areas of need or opportunity) for creating demonstrations, games or other types of applets. 4.Design and develop demonstrations and games and learning challenges that enhance the learning experiences of their students. 5.Develop a system for implementation which will help to facilitate ease of use (by them as teachers and their students.)

Additional Tags:
- Algebra, Geometry, Interactive, Math, Technology

Grade Level:
- High (9 - 12), Intermediate (3 - 5), Middle (6 - 8)

Audience:
- Teacher

Discipline:
- Mathematics

Personnel Evaluation Measures:
- Instruction, Planning, Professionalism

Aligned to Kentucky Professional Learning Standards:

- Implementation, Learning Designs, Outcomes

Session Type: Asynchronous
Link: https://learn2geogebra.teachable.com/

Registration Deadline:
06/17/2019

Link or directions to register:
https://learn-geogebra.teachable.com/

Arrangements Required: No

Services provided(Follow-up, support, etc.): No

Possible costs(Participation, materials, etc.): Yes
$210 - Group Rates Discounts available

EILA Program:

EILA Status: