Using Google Tools for collaboration, enrichment and differentiation of instruction

Dates of Course

TBD

Course Description

This fun and engaging course offered by a Google Certified Educator, is designed to provide information and examples of various Google tools available to enhance the learning experiences of different learners. Participants will explore Google Earth, Google Docs (collaborative presentations, spreadsheets, documents and forms) Google Apps and Google SketchUp. Examples of how these tools can be integrated with different subject areas that are aligned to national and NYS standards will be shared. To complete this course, participants will create online collaborative materials, mini project and develop a plan to implement Google tools into their curriculum to promote learning in a 21st century environment. Participation in discussions, sharing of ideas and feedback is important, enlightening and promotes professional growth.

Course Outcomes and Goals and Objectives

Participants in this course will:

- Explain how Google's tools support collaboration and differentiation of instruction for students' success.
- Examine the use of online collaborative tools used by other educators and relate it to their classroom.
- Use Goolge Docs to remotely collaborate with class peers.
- Discuss the collaborative process and its impact on students' motivation and learning.
- Create quizzes, tests, surveys, timesheet, logs, lab reports using Forms and Spreadsheets.
- Describe how Google Forms and Spreadsheet can be used for assessment, data gathering and sharing of information in a school setting.
- Explain why Google Apps is most suitable for a school environment.
- Describe how Google SketchUp can be used to enhance and support the math curriculum and interdisciplinary projects.
- Identify 3D models in SketchUp that can be used with the curriculum and relate it to state standards.
- Create a model using Google’s SketchUp.

- Explain how Google Earth and the Gallery can support the teaching and learning of different subject areas.

- Write a follow-up lesson plan indicating how they plan to use the tools and skills learned in this course in their school.

NYS Standards Addressed

MST (Math, Science and Technology) 5 and 3
ELA 1,3,4 all key idea 2 with different performance indicators
NETS (National Educational Technology Standards) for teachers: 1,2,3,4,5

Instructor

Dorit Eilon. I have been working as an Instructional Technology Staff Developer for NYC Department of Education for over six years. I have worked with teachers, administrators and students to integrate technology projects that are tied to standards and the curriculum. I have planned, managed and delivered many successful adult learning professional development sessions for both public and non-public school staff. Prior to joining the NYC Department of Education I worked as a Technology Staff Developer for Classroom Connect (Harcourt Education).
I am Google certified, Google Academy, NYC, 2008. I planned and delivered a Google Institute for a STEM (Science, Technology, Engineering and Mathematics) grant. I presented the use of Google tools at different technology conferences. I planned and delivered a hybrid P-credit course for the NYC Department of Education titled: " Using Online Tools in the STEM Classroom for Differentiated Instruction Based on Assessment."

Education: MS in Radio and Television Management; MS in Special and Regular Education; MS in Instructional Technology and MS in Supervision and Administration

Prerequisite Skills/Requirements

1) Students should know how to use Microsoft Word (Mac or Windows)- creating, attaching, and downloading documents.
2) Students should know how to create a basic PowerPoint.
3) Students should be able to access the Internet and use e-mail.

Recommendation for in-service credit

1) Participation in class discussions, class forums, postings and completion of all "hands-on" assignments is essential for completing this course.
2) All participants in the class are expected to comply with normally accepted online behaviors.
3). Successful completion of the course, means that all assignments have been completed at a "satisfactory" level thus, earning the recommendation for in-service credit.
4). In-service hours recommended will be directly associated with outcomes of the course.