

Integrating Math Web Resources in the Classroom (Online) **1 Semester Credit Independent Study Course**

CTED 504

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Course Description: Explore online Math resources and compile an annotated list of Math websites for classroom technology integration. Use Math websites to develop project based technology ideas, create an online repository of web resources and determine website uses for your classroom.

Goals and Objectives

As a result of this participation in this course, students should:

1. Determine State curricular areas/academic standards in your classroom to incorporate Math websites
2. Develop project-based technology ideas and assessments related to Math from a variety of online resources
3. Create an annotated classroom list of Math websites for technology integration use by students and the teacher
4. Create an online account (del.icio.us) with a list of Math websites that can be accessed from any computer

Texts/Readings

All required readings are found online.

Assignments and Projects- (100 points total)

The following assignments and projects are required for this course:

1) Math Website Objectives (1) form (20 points) –

Select a website from the list of **Math Websites (1)** to integrate into your classroom curriculum. Fill out Math Website Objectives (1) form. Be sure to include the website name, website address, brief description of website, the curricular objectives and the assessment or outcome expected from the website. Save in Microsoft Word and upload into Moodle. Label the Assignment – Math Website Objectives (1)

2) Create a del.icio.us account (5 points) –

Create an online account at www.del.icio.us.com. Add the Math websites that you will use in your classroom to your account as you complete each objective form. Send an e-mail to your instructor with your del.icio.us account name on it.

3) Math Website Objectives (2) form (20 points)-

Select a website from the list of **Math Websites (2)** to integrate into your classroom curriculum. Fill out Math Website Objectives (2) form. Be sure to include the website name, website address, brief description of website, the curricular objectives and the assessment or outcome expected from the website. Save in Microsoft Word and upload into Moodle. Label the Assignment – Math Website Objectives (2)

4) Web Guide Planning Template (15 points) –

Fill out the web guide planning template(follow step-by-step) for a website you can integrate into your classroom curriculum.

5) Math Website Objectives (3) form (20 points) -

Select a website from the list of **Math Websites (3)** to integrate into your classroom curriculum. Fill out Math Website Objectives (3) form. Be sure to include the website name, website address, brief description of website, the curricular objectives and the assessment or outcome expected from the website. Save in Microsoft Word and upload into Moodle. Label the Assignment – Math Website Objectives (3).

6) Personal Math Website Objectives (4) form (20 points) -

Select three websites from **your own personal list of Math Sites**. Fill out Math Website Objectives (4) form (in Moodle under Assignments). Be sure to include the website name, website address, brief description of website, the curricular objectives and the assessment or outcome expected from the website. Save in Microsoft Word and upload into Moodle. Label the Assignment – Personal Math Website Objectives (4).

Evaluation and Grading

All assignments, regardless of length, must be typed and incorporate APA style references when appropriate. Written assignments will be evaluated on accuracy of information, completeness of assignment, clarity of writing/presentation, organization of information and material, and accomplishment of the goals for each assignment.

A = 94-100 points

A- = 90-93 points

B+ = 87-89 points

B = 84-86 points

B- = 80-83 points

C = 75-79 points

F = less than 75 points

I = Incomplete Work