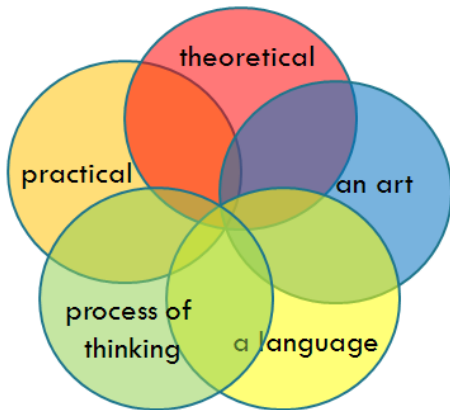


What is Mathematics?

Mathematics is ...



Final Project Presentations

Research how the mathematics from our class relates to a topic you are interested in

—OR—

Design a creative review of what we covered in class

Create a two-page or three-page typed product that satisfies the relevant rubric. Sample projects are on the final project link under today's date



<https://magiceducation.wordpress.com/2011/03/30/make-your-own-comics-witty-comics/>
<https://serc.carleton.edu/details/images/15703.html> Photo by Carol Ormand.
<http://hosted.jalt.org/pansig/2005/HTML/Bayne.htm>



the following:

1. Research how the mathematics from our class relates to a topic you are interested in

OR

2. You can design a creative review of what we covered in class.

The project rubrics have many common elements, but there are some differences:

Final Project Presentations

1. Research how the mathematics from our class relates to a topic you are interested in

clear mathematical connections	could use improvement	good	exceptional
connections from at least 2 of our segments	could use improvement	good	exceptional
depth of connections	could use improvement	good	exceptional
geometry, algebra, statistics, probability	could use improvement	good	exceptional
own words	could use improvement	good	exceptional
mathematical breakthroughs	could use improvement	good	exceptional
mathematical equations	could use improvement	good	exceptional
diverse mathematicians	could use improvement	good	exceptional
mathematical pictures	could use improvement	good	exceptional
timeframes	could use improvement	good	exceptional
applications & modern significance	could use improvement	good	exceptional
creative & attractive two-or-three-page typed product	could use improvement	good	exceptional
professional & clarity	could use improvement	good	exceptional
annotated references (not included in page count)	could use improvement	good	exceptional
image refs (no annotations needed for pics)	could use improvement	good	exceptional
quality references	could use improvement	good	exceptional
discussions & engagement at the final	could use improvement	good	exceptional
peer review	could use improvement	good	exceptional
self-reflection	could use improvement	good	exceptional

OR

2. Design a creative review of what we covered in class

clear mathematical connections	could use improvement	good	exceptional
connections from all 3 of our segments	could use improvement	good	exceptional
depth of connections	could use improvement	good	exceptional
geometry, algebra, statistics, probability	could use improvement	good	exceptional
own words	could use improvement	good	exceptional
mathematical breakthroughs	could use improvement	good	exceptional
mathematical equations	could use improvement	good	exceptional
diverse mathematicians	could use improvement	good	exceptional
mathematical pictures	could use improvement	good	exceptional
timeframes	could use improvement	good	exceptional
applications & modern significance	could use improvement	good	exceptional
creative & attractive two-or-three-page typed product	could use improvement	good	exceptional
professional & clarity	could use improvement	good	exceptional
acknowledgement to external items, if any	could use improvement	good	exceptional
image refs	could use improvement	good	exceptional
discussions & engagement at the final	could use improvement	good	exceptional
peer review	could use improvement	good	exceptional
self-reflection	could use improvement	good	exceptional

You must participate in the final project to pass the class.



Choosing a Research Topic, If You Select that Project

Interesting/useful/important to you!

Enough scientific/mathematical connections and people

- technical applications: cancer, film, roller coasters, a sport, your future career
- mathematical/scientific object: black holes, π , golden mean
- person: David Blackwell
- place: Egypt, the universe
- controversy in mathematics

There are lots of possibilities and I am happy to help you find sources and connections!

Math: It's NOT Everywhere, but it's in lots of places

Educational Goals at ASU

Thinking Critically & Creatively

research and creative product

Communicating Effectively

writing, speaking and reflecting

Making Local to Global Connections

math applies in many settings, multiple perspectives

Understanding Responsibilities of Community Membership

citations, peer review, actively listening to each others perspectives and presentations...

Tues 6/25

- face-to-face intro
- read through the final project

Wed 6/26

- final project questions or brief update hand in

Thur 6/27

- course survey hand in

Fri 6/28

- face-to-face final presentation sessions
- exam corrections

bring printouts of your work to tape to the wall, bring paper to conduct peer review/self-evaluation, and bring the exam corrections to turn in physically

Course Survey

- 90-105 minutes each way
- 105-120 minutes each way
- 120-135 minutes each way
- 135-150 minutes each way
- greater than 150 minutes each way

(Optional) Any comments on my availability in Zoom hours, before or after class on face-to-face days, by email, or on the feedback I provided you within your assignments?

Paragraph **B** *I* Tx [List] [List] [Link] [Image] [Table] [Undo] [Redo] [Fullscreen]

Path: p

One of the departmental course requirements for MAT 1010 students is to communicate mathematical work on written documents (hand ins and exams in our case) and one motivation for the 80% asynchronous/20% asynchronous was to save you money in a number of ways, including 1) avoid having to pay someone to proctor your written exams and 2) avoid having to print handouts yourself. Another was to offer some flexibility via asynchronous activities so that you could typically work at the time of the day that was best for you.

What were the challenges of the structure of 80% asynchronous/20% face-to-face for you, if any?

Paragraph **B** *I* Tx [List] [List] [Link] [Image] [Table] [Undo] [Redo] [Fullscreen]

Path: p

Exam Corrections on One Exam



<https://mathequalslove.blogspot.com/p/free-classroom-posters.html>

<https://www.leaderinme.org/blog/the-power-of-a-growth-mindset/>

Turn in your revisions physically on 6/28. You can print your exam and write your corrections on it and/or write on a separate sheet of paper. Your revised exam grade replaces the original. I expect you to use online resources and get help from me.

Tues 6/25

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