

# Faculty Academy – Year 2 Individualized Learning Plan

**Faculty Name:** Jon Oaks

**Title of Project:** Mathematics Department Final Exam Review Videos

## Macomb Final Exam Reviews

 Search this

- Home
- MATH 0070
- MATH 1000
- MATH 1340
- MATH 1410
- MATH 1430
- MATH 1460
- MATH 1760
- Sitemap

### Home

↑ click on one of the tabs  
above to get started!

Welcome to <http://bit.ly/macombfinals>.

The videos on this website are intended as hints to solve the problems on the departmental final exam reviews. They are short and unedited. They should not serve as a substitute for trying the problem on your own or for asking for help on a problem from your instructor.

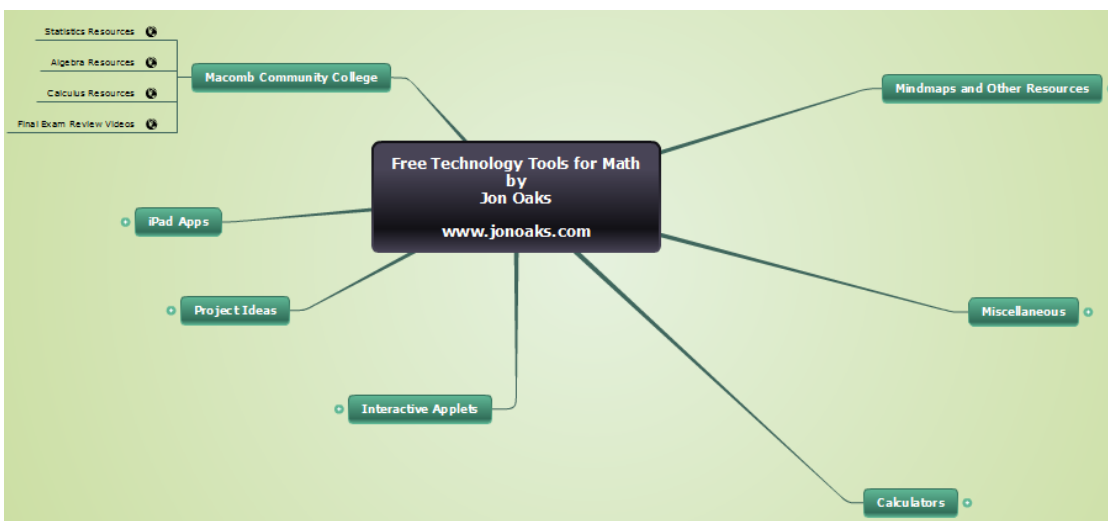
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**Brief Description of the Project:** In this project, I will create videos that correspond to the problems on the review finals for the Mathematics Department Final Exams. Videos for MATH 1000 and 1410 already exist at <http://bit.ly/macombfinals>. At the conclusion of the project videos will exist for the following courses: MATH 0070, 1000, 1340, 1410, 1430, 1460, and 1760. I will also organize a seminar to raise awareness among faculty that these videos are available for their students to use.

### Resources:

#### **PROF 9040: Free Technology Tools for Math (<http://bit.ly/freemathtools>)**

In this workshop participants will learn about several free technology tools for math. Participants will have time to explore a repository of tools that relate to their specific interest. Productivity tools will be discussed as well and participants will be asked to share their favorite tools with everyone.



## PROF 9041: Playing Games to Learn Math (<http://bit.ly/algebragames>)

In this workshop participants will learn about a variety of paper-based and digital games that can be used in a variety of courses ranging from pre-algebra to calculus. Resources will be offered for where to find games and participants will walk away with several ideas that they can use immediately.

### Algebra Games

Home Games Algebra Activities Statistics Activities More Games Feedback Forms Presentations Sitemap

Home

Welcome to <http://bit.ly/algebragames>.

This list of **Algebra Games** was compiled by **Jon Oaks**, a Math Instructor at **Macomb Community College** in **Warren, MI**. Please take the time to **explore** the games here. Feel free to **print them out** and **use them** with your own classes. Any **feedback** is always appreciated.

You can find more **games and activities** on my website at <http://www.jonoaks.com>.



## PROF 9042: Screencasting 101 for Math (<http://bit.ly/whiteboardtips>)

In this workshop participants will learn the basics about screen casting. Everything from the hardware and software requirements to tips and best practices for creating screencasts for math will be discussed. Participants will have an opportunity to create their own screencast to take home with them.

Whiteboarding with Wacom  
Screencast Camp 2012 - <http://screencastcamp.com/>

Link to this document: <http://bit.ly/whiteboardtips>

Who is attending this session?  
(Please type your name and twitter handle below)  
Jon Oaks (@jonoaks) - [jonoaks@gmail.com](mailto:jonoaks@gmail.com)

Equipment  
<http://www.wacom.com/en/products/bamboo/bambootablets.aspx> - Tablet I have  
<http://www.tanga.com/deals/2a269c54b/digipro-8x6-usb-graphics-tablet> - deals can be found!  
Bare bones logitech headset - <http://bit.ly/3lqh1pb>  
Try using wacom intuos 3

Drivers, Software, and Emulators  
<http://www.wacom.com/en/customer-care/drivers.aspx> - Wacom Drivers  
<http://office.microsoft.com/en-us/onenote/> - OneNote  
Mac Users: Use Notebook mode in Office Word 2004/2008  
<https://sites.google.com/site/danielkoppas/home/software/tutorials-1> - Jarnal  
<http://wabbit.codeplex.com/> - Graphing Calculator Emulator  
<http://www.math.uua.alaska.edu/~afjm/PenAttention/download.html> - Cursor attention  
Sketchbook Pro (a program that is free for educators that you can write with)  
ScreenMarker Annotate directly on the screen - USING THE BAMBOO TABLET

Websites  
Jon's website - [www.jonoaks.com](http://www.jonoaks.com)  
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Jon's website - [www.jonoaks.com](http://www.jonoaks.com)

## PROF 9043: Social Media in Math (<http://bit.ly/socialmediamath>)

In this workshop participants will learn about a variety of social media tools, including Facebook and Twitter. If participants do not have an account, they will be asked to sign-up for free accounts during the workshop. Resources will be suggested for using the tools in the mathematics classroom.

