



# Video Project PreCalculus Mr. Johns



They say that the best way to learn anything is to teach it to someone else. In the age of the digital native, what better way to teach something than to produce a video about it!

In this project, you will create the script for a precalculus concept video. Given the range of ideas that are possible, here are the following guidelines:

1. You may work in a team of up to 4 people
2. The video may be any musical genre
3. You should convert a popular song into a song about trigonometry (youtube: "precalculus")

After several revisions of the stories, the ideas will be converted to a storyboard format. This format contains a visual, a verbal description, what is said during the scene, and any fx that are needed. Storyboards are the main unit by which videographers create movies.

## Video Concept

You may work individually or with up to 3 people. Select one of five topics:

- graphing calculator
- trigonometry
- conics
- probability
- limits

Using this topic, create a story that can be played out in 1-2 minutes that illustrates the main idea(s) of your topic. The less math language you use, the BETTER. The ultimate goal of this video is to explain a technical concept in a non-technical way. You will need to show how your metaphor relates to the concept, but there is no need to go into detail about any formulas – visuals are far more powerful in a video format.

Be as creative and imaginative and funny as you want!!!

## Synopsis

Please describe your video concept in 250 words or less for your album cover.

## Storyboard

On the next page is a template of the storyboard you will be using. It is recommended that you type in the action, dialogue, and fx. Then print out your storyboards for the actual visuals to be drawn in. This will save you time for future edits. How many "shots" do you need? Keep in mind that each "shot" represents a scene in your video. The more action or sentences that are spoken, the more likely it is that you will need several "shots" to get in all of the information. For example, if your shots average 5 seconds, then you would need somewhere between 12-24 shots to last from 1-2 minutes. It is typical that 1-2 minute videos have anywhere from 20-50 shots, depending on the types of action used.

# Storyboard Template

**Group Members:**

**Period:**

Shot #

Action

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Dialogue

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Effects (FX)

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Shot #

Action

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Dialogue

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Effects (FX)

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Shot #

Action

---

---

Dialogue

---

---

Effects (FX)

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Shot #

Action

---

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Dialogue

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Effects (FX)

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# Rubric

	1	2	3	4	5
<b>Synopsis</b>	Too technical, or too nonspecific	not typed, not submitted on time	not typed	typed, but not submitted on time	typed, submitted on time
<b>Storyboard (first draft)</b>	pictures without descriptions, or contains copyrighted material	american cultural references	10+ scenes	15+ scenes	20+ scenes
<b>Storyboard (second draft)</b>	contains copyrighted material, or storyboard not completely filled in	too technical, or too nonspecific, or contains american cultural references	instructional (how-to) video only	audience for calculus class only	high quality, easily understandable, not technical
<b>Personal Responsibility</b>	no vested interest in finishing project within the given timeline	didn't follow directions for more than one part of the project	didn't follow directions for some part of the project	turned in one assignment up to one day late	always turned in work on time
<b>Partner Contribution (voted on by peers)</b>	Partner Did Little to No Work	Partner Did Minimal Work	Partner Missed Group Meetings	Partner Helped During All Parts of Project	Partner Led Group Discussions

Grade: NC – 1 I – 2 C – 3 B – 4 A – 5

Total

/25