



## Mount Madonna Middle School Summer Assignments

### Performing Arts 6, 7, 8

Song Share begins first week of classes. All participate. Choose a section of a song (no more than 90 seconds) that you like and are capable to share. Avoid lyrics with profanity, put downs of cultural, gender, ethnic or religious group, or that contain explicit sexual descriptions, or violent images. This is not about who sings well or who feels they do not. Nor is it a preliminary audition for the winter shows. Instead, the purpose is to establish a bond between the members of group by taking a personal risk. Singing can be a vulnerable experience. If the adventure sounds ominous, hang in there; it actually is very liberating. We appreciate for new and for returning students (as well as teachers who also participate), the experience creates a few butterflies. Yet, in the end, everyone survives. On the field trips that start our year, new students should talk with their classmates about song share. They will see that everyone is in the same boat. Once song share begins, let the veteran students go first and see how the room responds to one another while we sing. It may sound scary, but it is a "good" scary. Not like crossing the freeway blindfolded...

Song Share recommendations:

1. The selection can be short, even a minute is fine- 2 verses + chorus.
2. Pick a song you like, in your vocal range, that doesn't jump too high or low.
3. Avoid "Happy Birthday", "Twinkle Twinkle" or "Star Spangled Banner"- If you think the song is silly or inconsequential, it will be hard to present it fully.
4. Songs that are rhythmic or percussive (Rap) are okay, but make sure lyrics are appropriate.
5. As for accompaniment, some students have played guitar or piano while singing. Most, if not all, sing acapella. Again, the experience is built around singing. Regarding duets, it is better to sing alone.

### Reading

The assignment is...please read!

Please go to

<https://www.mountmadonnaschool.org/2017-18-summer-assignments-supply-lists-and-permissions/>

for an extensive list of suggested reading.

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**\*Math Summer Work - Instructions from Dr. Nicole Tervalon, Math Director**

Math placement letters for all returning MMS students and new 6th and 7th grade students were emailed from the Registrar to each family the week of June 19th. Only 8th grade students are required to do summer math work as described below, however all Middle School students are encouraged to keep their math brains engaged over the summer with regular problem solving activities that could include puzzles, logic games, Khan Academy practice, engineering design projects, creative STEM etc.

**New 8th grade students**

You will receive a separate email once your math placement has been determined with both your assigned math class as well as instructions for math summer work.

**8th Grade****Da Vinci Algebra I**

Please see summer worksheet packet at

<https://www.mountmadonnaschool.org/2017-18-summer-assignments-supply-lists-and-permissions/>

Pre-Algebra Review and Warm-up Problems: This summer, please plan to leave some time in August to complete the five practice worksheets. The idea is to spend 15-20 minutes revving-up your math brain over 1-2 weeks, so that you start the school year ready to think with numbers.

**Integration Project**

OPTION 1: Please build a 3D prototype or model of one of Leonardo Da Vinci's inventions. Whoa! Take a deep breath. This is not as difficult as it sounds at first. Leonardo da Vinci was famous for many inventions, including a submarine, an armored car (a tank), something like a helicopter, a special kind of clock, a rotating bridge, an "ideal city," scuba gear, a special sort of catapult, and even some weapons. You can find descriptions of many inventions, and links to other resources about them, here:

<http://www.da-vinci-inventions.com>

One simple way to build a cool Leonardo invention is to just buy a kit! There are many kits available at amazon.com, and all of them fulfill this assignment. If you prefer not to purchase a kit, you can also do some research and make a model from recyclable items around the house. People even build Leonardo's inventions out of Lego; check it out if you are a Lego fan! You can be as creative as you like with this assignment, or if you like building from instructions, you can use a kit, it's up to you! Along with your 3D model, please answer the questions on the Leonardo's Invention worksheet. Be prepared to share your answers with the class on the first day back!

OPTION 2: Are you already an inventor? Please choose one of Leonardo's inventions and use it as inspiration to creatively build your own small-size version of it, preferably a version that works! For example, Leonardo invented a precursor to a helicopter. Why not try to make your own device that launches upwards and spins?

**Special Notes:**

You might be a learner who can do one worksheet per day in 15 or 20 minutes, or it might take you two days to do one. If you are a learner who takes 20 minutes to find a pencil and settle-in to problem

solving, or if you need to stop between problems and daydream, that's great (I mean it-you're probably very creative!), but that time does not count. Please spend 15-20 minutes per day on actually working the problems with focus, until the worksheets are done. OR, if math problems take you a very exceptionally long time, or if you actually have not seen problems like this before, PLEASE email me and we can talk about which problems to focus-on or where to go for more help.  
(lisa.catterall@mountmadonna.org)

## **Algebra I/II**

Summer work for your next year's math class will be done in Khan Academy.  
Instructions for logging in are

- 1) If you don't remember your MMS Google Drive account password, contact Nicole Tervalon ([nicole.tervalon@mountmadonna.org](mailto:nicole.tervalon@mountmadonna.org)) to get it reset.
  - 2) Visit [khanacademy.org](https://khanacademy.org) and click Sign In/Sign Up in the top right corner (if you have a personal Khan Academy account, please sign in using your MMS account instead, if you have already got a Khan Academy account using your MMS, please skip to step 7)
  - 3) Click the Log in to Khan Academy with "Google"
  - 4) Click "Sign in with Gmail"
  - 5) Select your Mount Madonna email account and click "Allow" to give Khan Academy permission to communicate with Google about your account credentials.
  - 6) Enter your age
  - 7) Once you are logged in to Khan Academy, click your name in the upper right corner of the screen, then select Notifications
  - 8) Nicole Tervalon will be requesting to be your coach - click Accept
  - 9) You can begin working on a review of Algebra I which can be found at <https://www.khanacademy.org/math/algebra-home/alg-intro-to-algebra> which can also be found by searching within Khan for Introduction to Algebra
  - 10) Dr. Nicole will begin assigning you recommended work within a week or so of your accepting her a coach. After that point you can click on your name in the top right corner, and then click on Notifications. Scroll until you find the notification "Your coach Nicole Tervalon has enrolled you in Algebra I". Click this notification and it will take you to your first set of tasks. Then you can simply follow the set of recommended activities.
- You are asked to please visit Khan Academy and practice the recommended topics for review for a total of at least one hour each week.** The idea is to keep your brain actively engaged in math for at least a little bit of time each week. If I see that you have not logged in or not making progress, I will be in touch with you and/or your parents.