



Mount Madonna High School Summer Assignments

MMS has partnered with Bookshop Santa Cruz and Booksmart of Morgan Hill to stock the books students will need for these assignments. Please help support our local merchants.

9th Grade

English

I highly recommend annotating while reading, so you are prepared for the test, in-class essay, and project that will launch the school year.

We Are Okay, Nina LaCour

Math

*Please see instructions at end of this list.

Performing Arts I, II, III, IV

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.

Spanish I

Current Students: Complete Unidad 6: Estados Unidos in Espanol Santillana 1B, Workbooks are in the office for pick up, and pdf is available at

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

All students: Espanol Santillana Practice Workbook, Level 1 (see High School Supply List), Complete Unidad Preliminar, pgs 7-28

10th Grade

Chemistry

Memorize the names, numbers and symbols of the first twenty elements on the Periodic Table of Elements

English

I highly recommend annotating while reading, so you are prepared for the test, in-class essay, and project that will launch the school year. If you intend to participate in Honors or AP (10th-12th only), read the book for your grade level AND read one other book from the list of four books below. You can find book reviews and brief synopses to make your selection(s) by Googling each title and author.

We Are Okay, Nina LaCour

For an Honors/AP Option select one of the following in addition: *The Girls*, Emma Cline; *The Most Dangerous Place on Earth*, Lindsey Lee Johnson; *The Underground Railroad*, Colson Whitehead

Math

*Please see instructions at end of this list.

Performing Arts II

See assignment for Performing Arts I

Spanish II

Current Students: Complete Practice Workbook, Level 1 from 9th grade, Unidad 6, pgs 210-241 (yellow workbook), and pdf is available at

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

All Students: Espanol Santillana Practice Workbook, Level 2 (see High School Supply List), Complete Unidad Preliminar

US History

Get a public library card! Applications for Santa Cruz County or Santa Clara County library systems can be printed off their websites and taken into any branch along with a small fee (\$2-\$5) to get a card. Bring card to class first week of school.

11th Grade

Biology

Charles Darwin's On the Origin of Species: A Graphic Adaptation, Michael Keller

Write an essay 1.5 pages, double spaced on the following prompts: 1) Compare and contrast artificial

selection, natural selection, and sexual selection; give examples of each from the book. 2) Darwin waited for years to publish his theory. What factors in his personal life and in society made it difficult for him to make his ideas public? Cite examples from the text and/or other reputable sources. Have you ever had a difficult time telling your community about a truth you know before others? Reflect and share what you are comfortable with.

English

I highly recommend annotating while reading, so you are prepared for the test, in-class essay, and project that will launch the school year. If you intend to participate in Honors or AP (10th-12th only), read the book for your grade level AND read one other book from the list of three books below. You can find book reviews and brief synopses to make your selection(s) by Googling each title and author.

The Underground Railroad, Colson Whitehead

For an Honors/AP Option select one of the following in addition: *The Girls*, Emma Cline; *The Most Dangerous Place on Earth*, Lindsey Lee Johnson; *We Are Okay*, Nina LaCour

Math

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Performing Arts III

See assignment for Performing Arts I

Spanish III

All Students: Espanol Santillana Practice Workbook, Level 3 (see High School Supply List), Complete Unidad Preliminar, pgs 7-20

US Government

Political News Journal: Find and report on 6 different articles in the summer political news cycle (details and assignment worksheet available on the US Government 11 Google Classroom page - please join with code: jxp3mqk)

Values in American Thought I

Man's Search for Meaning, Viktor Frankl

12th Grade

English

I highly recommend annotating while reading, so you are prepared for the test, in-class essay, and project that will launch the school year. If you intend to participate in Honors or AP (10th-12th only), read the book for your grade level AND read one other book from the list of three books below. You can find book reviews and brief synopses to make your selection(s) by Googling each title and author.

The Underground Railroad, Colson Whitehead

For an Honors/AP Option select one of the following in addition: *The Girls*, Emma Cline; *The Most Dangerous Place on Earth*, Lindsey Lee Johnson; *We Are Okay*, Nina LaCour

Math

*Please see instructions at end of this list.

Performing Arts IV

See assignment for Performing Arts I

Science with Humanity

Review the course website: <https://sites.google.com/a/mountmadonna.org/science-with-humanity/>

Prepare a prez.com presentation about yourself with the following six slides (minimum). Be creative and use pictures and other visuals. Cite any sources you use. Send the link to

nicole.culbertson@mountmadonna.org so we can easily share it in class. Remember to keep the content appropriate and thoughtful. 1) Title page/intro 2) Your path to today (where you come from, what were the steps that got you here today) 3) Name 3-6 things you do in your free time; how do you decompress? 4) Look into the future. When you are 100 and reflect on your life, what are the best things you have done? What are your hopes and dreams? 5) What is your life philosophy? 6) What are your hopes for the future on the world or your community, outside of yourself? 7) In conclusion (optional)

Values in World Thought II *Just Mercy*, Bryan Stevenson

World Religions *The Four Agreements*, Don Miguel Ruiz

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

Math placement letters for returning students were emailed from the Registrar to each family the week of June 19th. Please refer to that communication for the math class you will be registered in for the coming year.

New High School 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.

9th Grade

Da Vinci Algebra I

Please download summer practice worksheets 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? Ill.

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
(lisa.catterall@mountmadonna.org)

All other 9th Grade and 10th-12th Grade (except those in Calculus BC)

Summer work for your math class this year will be done in Khan Academy. Please only use your school Google Apps/Drive account for completing your summer work. Do not use any other Khan accounts you might have. If you've forgotten your login or password, please contact me. **You are asked to please visit Khan Academy and practice problems from the class you've been enrolled in by Nicole Tervalon and any other recommended topics for review for 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 haven't logged in or aren't making progress, I will be in touch with you and/or your parents.

To find the class you're enrolled in and your recommended topics for review, click on your name in the top right corner once logged in to Khan Academy and click on notifications. Scroll until you find the notification "Your coach Nicole Tervalon has enrolled you in _____ (your assigned math class will be in the blank)". 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 don't have to complete them all in one sitting, just work for about an hour and come back to it the next week. You are welcome to break up your visits into smaller segments if you like, but spend a total of at least an hour a week on the site. If you're interested, of course, you are welcome to spend more time and continue exploring. Khan Academy continues to add amazing new content including Science and Engineering, Computing, Art and Humanities, Economics and Finance, and even test prep for standardized tests.

If you have any questions about accessing your account, the topics assigned, etc. please don't hesitate to contact me at nicole.tervalon@mountmadonna.org.

Calculus BC

Please download your summer packet at

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