



## Mount Madonna High School Summer Assignments 2018

MMS has partnered with Bookshop Santa Cruz, Booksmart of Morgan Hill and Kelly's Books in Watsonville to stock the books students will need for these assignments. Please help support our local merchants. Bookshop Santa Cruz offers a 10% discount when you mention Mount Madonna School at checkout.

### **9th Grade**

#### **English**

Read: *The Absolutely True Diary of a Part-Time Indian*, Sherman Alexie

NOTE: There will be a project and discussion on this book during the first week of class, so read the book and be prepared! Students will be invited over the summer to join the class google classroom where the creative project guidelines will be posted for those who would LIKE to do the project before school starts, but it's not required.

#### **Math**

\*Please see instructions at end of this list.

### **Performing Arts I**

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 a capella. Again, the experience is built around singing. Regarding duets, it is better to sing alone.

### **Spanish I**

All students: Espanol Santillana Practice Workbook, Level 2 (see supply list for link and purchase instructions) Complete Unidad Preliminar, P. 7-30

Go to [join.duolingo.com](https://www.duolingo.com) and use a classroom code KAFXCX to set up account. Students will be given a set of assignments to complete for summer work based on their level of study. If you have any questions about accessing the classroom, please contact [sara.sobkoviak@mountmadonnaschool.org](mailto:sara.sobkoviak@mountmadonnaschool.org).

Detailed instructions for joining Duolingo are at

<https://www.mountmadonnaschool.org/2018-19-summer-assignments-supply-lists-and-permissions/>

### **10th Grade**

#### **Chemistry**

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

#### **English**

10th - 12th grade: I highly recommend annotating while reading, so you are prepared for the test, in-class essay, and project that will launch the school year. Annotating means taking notes to actively read and engage with the text.

Read one of the options. If you intend to participate in Honors or AP, read two books.

*Sing, Unburied, Sing*, Jesmyn Ward

*The Epiphany Machine*, David Burr Gerrard (*parental advisory - this text contains sexually explicit content*)

*The Hazel Wood*, Melissa Albert

#### **Math**

\*Please see instructions at end of this list.

#### **Performing Arts II**

See assignment for Performing Arts I

### **Spanish II**

All Students: Espanol Santillana Practice Workbook, Level 2 (see supply list for link and purchase instructions), Complete Unidad Preliminar, P. 7-30 +

Go to [join.duolingo.com](https://www.duolingo.com) and use a classroom code KAFXCX to set up account. Students will be given a set of assignments to complete for summer work based on their level of study. If you have any questions about accessing the classroom, please contact [sara.sobkoviak@mountmadonnaschool.org](mailto:sara.sobkoviak@mountmadonnaschool.org).

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## **US History**

Read: *MARCH: Book One*, graphic novel by John Lewis, Andrew Aydin, and Nate Powell

SUMMER PROJECT: After reading the graphic novel, choose one of the individuals mentioned in the story and write a 2-page analysis of the person's role a) in John Lewis's story as told in the book and b) in the larger American Civil Rights movement of the 1950s and 1960s. Do not write a biography of the person from birth to death – connect them and their work to the themes and events of Lewis's story.

List of individuals mentioned in *MARCH*:

- Hosea Williams (Southern Christian Leadership Conference - SCLC)
- James Eastland (U.S. Senator, Mississippi)
- Strom Thurmond (U.S. Senator, South Carolina)
- Emmett Till (lynching victim)
- Rosa Parks (SCLC)
- Fred Gray (lawyer)
- Ralph Abernathy (SCLC)
- Jim Lawson (Fellowship of Reconciliation - FOR)
- Diane Nash (Student Non-Violent Coordinating Committee - SNCC)
- Mahatma Gandhi
- James Bevel (SNCC)
- Bernard LaFayette (SNCC)
- Will Campbell (National Council of Churches)
- Dr. Stephen J. Wright (President of Fisk University)
- Z. Alexander Looby (lawyer)
- Thurgood Marshall (lawyer)
- Ralph Bunche (diplomat; Nobel Peace Prize winner)
- Eleanor Roosevelt (former First Lady)
- Harry Belafonte (entertainer)
- Ben West (Mayor of Nashville, Tennessee)
- Buford Ellington (Governor of Tennessee)
- Ella Baker (SCLC and NAACP)

(Note that some of these people are only briefly mentioned in *MARCH*, so your paper will be based primarily on additional research. Any sources used should be cited and listed in a properly formatted bibliography. Do not cite Wikipedia – it may have some factual and useful information, but find other sources for this project.)

ALSO: 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**

Read *On the Origin of Species: A Graphic Representation* by 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**

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Read one of the options. If you intend to participate in Honors or AP, read two books.

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*The Epiphany Machine*, David Burr Gerrard (*parental advisory - this text contains sexually explicit content*)

*The Hazel Wood*, Melissa Albert

### **Math**

\*Please see instructions at end of this list.

### **Performing Arts III**

See assignment for Performing Arts I

### **Spanish III**

All Students: Espanol Santillana Practice Workbook, Level 3 (see supply list for link and purchase instructions) Complete Unidad Preliminar, P. 7-20

Go to [join.duolingo.com](https://www.duolingo.com) and use a classroom code CDXYWQ to set up account. Students will be given a set of assignments to complete for summer work based on their level of study. If you have any questions about accessing the classroom, please contact [sara.sobkoviak@mountmadonnaschool.org](mailto:sara.sobkoviak@mountmadonnaschool.org).

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### **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 using your school email with code: jxp3mqk)

### **Values in American Thought I**

Please read and be ready to discuss for first week of class *Man's Search for Meaning*, Viktor Frankl

### **12th Grade**

#### **College Advisory**

Due on first day of school. Come with "Right Fit" college list on first day of school. Have the first draft of at least one of your personal statements. Please work on the one with the earliest deadline. There will be a few summer college workdays in August, TBD.

## English

10th - 12th grade: I highly recommend annotating while reading, so you are prepared for the test, in-class essay, and project that will launch the school year. Annotating means taking notes to actively read and engage with the text.

Read one of the options. If you intend to participate in Honors or AP, read two books.

*Sing, Unburied, Sing*, Jesmyn Ward

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## 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.silva@mountmadonnaschool.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

Read and be ready to discuss for the first week of school *Just Mercy*, Bryan Stevenson

## World Religions

Read and be ready to discuss for the first week of school *The Four Agreements*, Don Miguel Ruiz

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### **\*Math Summer Work - Instructions from Dr. Nicole Tervalon, Math Department Chair**

Math placement letters are emailed from the Registrar to each family in June, and on a rolling basis thereafter for late enrollments. Please refer to that communication for the math class you will be registered in for the coming year.

#### **Algebra I/II**

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

Instructions for logging in are

- 1) For returning students, if you don't remember your MMS Google Drive account password, contact Nicole Tervalon ([nicole.tervalon@mountmadonnaschool.org](mailto:nicole.tervalon@mountmadonnaschool.org)) to get it reset. For new students please email [nicole.tervalon@mountmadonnaschool.org](mailto:nicole.tervalon@mountmadonnaschool.org) in order to set up your account.
- 2) Visit [khanacademy.org](http://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.

## **Algebra II**

Please download your summer packet at

<https://www.mountmadonnaschool.org/2018-19-summer-assignments-supply-lists-and-permissions/>

You must show all work to get credit for this assignment.

## **AP Calculus AB**

Please download your summer packet at

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You must show all work to get credit for this assignment.

## **AP Calculus BC**

Please download your summer packet at

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You must show all work to get credit for this assignment.

## **Da Vinci Algebra I**

Please download summer practice worksheets at

<https://www.mountmadonnaschool.org/2018-19-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@mountmadonnaschool.org](mailto:lisa.catterall@mountmadonnaschool.org))

### **Frank Lloyd Wright Geometry**

Please download your summer packet at

<https://www.mountmadonnaschool.org/2018-19-summer-assignments-supply-lists-and-permissions/>

You must show all work to get credit for this assignment.

### **Geometry Honors**

Please download your summer packet at

<https://www.mountmadonnaschool.org/2018-19-summer-assignments-supply-lists-and-permissions/>

You must show all work to get credit for this assignment.

Additional review available here <http://algebra.flippedmath.com/> or through Khan Academy (review of Algebra I topics).

### **Precalculus**

Please download your summer packet at

<https://www.mountmadonnaschool.org/2018-19-summer-assignments-supply-lists-and-permissions/>

You must show all work to get credit for this assignment.

### **Statistics**

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, aim for one hour of work each week.** The idea is to keep your brain actively engaged in math for at least a little bit of time each week.

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@mountmadonnaschool.org](mailto:nicole.tervalon@mountmadonnaschool.org).