

**High School Summer Work
AP and Honors Level Courses
Summer 2017**

SCIENCE AND TECHNOLOGY/ENGINEERING

PSHS AP Biology

Ms. Conroy issued textbooks, AP exam prep books, and a series of handouts. The handouts, which can be found at <http://bit.ly/1C9rMe8>, included a summer assignment overview packet with specific due dates, chapters 2-5 review packet (students need to pick up), and hard copies of the course syllabus.

Assignments have been uploaded to Google Classroom. Also, all students have been registered for access to the Mastering Biology website (www.masteringbiology.com). Instructions have been emailed to all students regarding how to access the resources. In addition, students were emailed access invitations to the Google Classroom that contains the course syllabus and summer assignments. This Google Classroom will be used throughout 2017-2018. All weekly course syllabi, PowerPoints, and other weekly hand-outs and assignments will be uploaded to this Google Classroom every Sunday and shared with students. The introduction letter assignment is due by Friday, June 23. All other assignments are due the first day of class in printed format. If you have any questions you can email Ms. Conroy at

lconroy@plymouth.k12.ma.us.

PSHS AP Chemistry

Mrs. Kumar issued one handout and shared two very important websites. This handout can be accessed from the following Plymouth hosted site <http://bit.ly/1C9rMe8>. For more information, email Mrs. Kumar at kkumar@plymouth.k12.ma.us.

PSHS AP Environmental Science

Mrs. Potter issued one handout, which can be accessed from the following Plymouth hosted site <http://bit.ly/1C9rMe8>. Within this handout, Mrs. Potter welcomes you, provides general guidelines for the summer work, and provides detailed descriptions for each of the separate assignments. For more information, email Mrs. Potter at jpotter@plymouth.k12.ma.us or Mrs. Marks at kmarks@plymouth.k12.ma.us.

PSHS AP Physics 1

Mr. Yaeger's summer work consists mostly of geometry and trigonometry review problems, as well as some graphing practice. The problems were selected to make sure students are competent with all of the math skills they will need during the course. All work is to be submitted on the first day of school, no exceptions. The review packet can be accessed from the following Plymouth hosted site <http://bit.ly/1C9rMe8>. Any questions should be directed to Mr. Yaeger at dyaeger@plymouth.k12.ma.us.

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PSHS AP Physics 2

Mr. Yaeger's summer work is meant to get you acquainted with some of the ideas in the modern physics portion of the syllabus. Screencasts are associated with this work. All work is to be submitted on the first day of school, no exceptions. The review packet can be accessed from the following Plymouth hosted site <http://bit.ly/1C9rMe8>. Any questions should be directed to Mr. Yaeger at dyaeger@plymouth.k12.ma.us.

PNHS AP Biology

Mrs. Glynn and Ms. Abbott have shared several handouts with enrolled students. All handouts can be accessed from the following Plymouth hosted site <http://bit.ly/1C9rMe8>. These handouts include a summer assignment overview (use the document that corresponds to your teacher), immune system review, study guides, and *Hot Zone* assignment. All assignments are due by the first day of class. For more information or questions email your teacher directly. Mrs. Glynn's email is pglynn@plymouth.k12.ma.us and Ms. Abbott's email is cabbott@plymouth.k12.ma.us.

PNHS AP Chemistry

Mr. Buckley has shared four handouts with enrolled students. All handouts can be accessed from the following Plymouth hosted site <http://bit.ly/1C9rMe8>. These handouts include a summer work overview, stoichiometry review, reaction pretest quiz, and polyatomic ion chart. All assignments are to be emailed on or before August 23. For more information or questions email Mr. Buckley directly at cbuckley@plymouth.k12.ma.us.

PNHS AP Environmental Science

Mrs. Frare issued one handout, which can be accessed from the following Plymouth hosted site <http://bit.ly/1C9rMe8>. With this handout, Mrs. Frare welcomes you, provides general guidelines for the summer work, and provides detailed descriptions for each of the separate assignments. For more information, email Mrs. Frare at tfrare@plymouth.k12.ma.us.

PNHS AP Physics 1

Mr. Goodman issued a packet, which can be accessed from the following Plymouth hosted site <http://bit.ly/1C9rMe8>. Students should be prepared to be assessed on the skills and content included in this packet when class begins. For more information, email Mr. Goodman, at agoodman@plymouth.k12.ma.us.

PNHS AP Physics 2

Mr. Goodman issued a packet, which can be accessed from the following Plymouth hosted site <http://bit.ly/1C9rMe8>. Students should be prepared to be assessed on the content included in this packet when class begins. For more information, email Mr. Goodman, at agoodman@plymouth.k12.ma.us.

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MATHEMATICS

MIDDLE SCHOOL (ALL incoming 6th through 8th graders)

Students and their parents may review the letter sent out via Connect Ed [here](#) . Each incoming grade has a link to their appropriate letter which notes the Google classroom code and other pertinent information.

HIGH SCHOOL

Math Summer Work material is available on both the district and school website via this link: [Summer Mathematics Resources](#) . Each summer assignment reviews prerequisite vocabulary/skills/ topics for a student's upcoming honors or advanced placement mathematics course. There may be some work in which students need to independently research or learn. Suggested websites for reference are provided in the letter to parent/guardian/student in each course document. All work and steps must be shown for credit. **All assignments must be brought to school on the first day the course meets for full credit. Late assignments will be given half credit only until the second time the course meets.**

Geometry Honors (Grade 9)

PCIS and PSMS grade 8 math teachers have distributed packets reviewing Algebra 1 and Geometry vocabulary to all grade 8 students recommended for the grade-9 Geometry Honors course. This packet should be completed without the use of a calculator and work and steps should be shown for credit.

Note: Some grade 8 students may not have learned how to "simplify radicals".

Please use the suggested websites to independently learn how to do this. Khan Academy has videos on most math topics.

Geometry Honors (Grade 10)

The packet consists of a review of Algebra 1 topics and Geometry vocabulary to all grade-9 students recommended for the grade 10 Geometry Honors course. All work and steps must be shown for credit.

Note: When completing the page on "simplifying radicals", do not use a calculator. Show all steps and view a Khan Academy video if you need help.

Algebra 2 Honors

The packet consists of a review of Algebra 1 topics to all students recommended for the Algebra 2 Honors course. All work and steps must be shown for credit.

Pre-Calculus Honors

The packet consists of a review of Algebra 2 topics to all students recommended for the Pre-Calculus Honors course. All work and steps must be shown for credit.

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Calculus Honors

The packet consists of a review of Algebra 2 and Precalculus topics to all students enrolled in the Pre-Calculus Honors course. All work and steps must be shown for credit.

Discrete Math Honors

This summer work is designed to help you explore problem solving strategies such as: drawing a diagram, making a table or list, looking for patterns, solve a simpler problem, guess and check, the use of logical reasoning. All work and steps must be shown for credit.

AP Calculus AB

The packet consists of a review of Precalculus topics to all students enrolled in the AP Calculus AB course. All work and steps must be shown for credit.

AP Calculus BC

The packet consists of a review of Precalculus and other more advanced topics to all students enrolled in the AP Calculus BC course. All work and steps must be shown for credit.

AP Statistics

AP Statistics students are required to read a book from the list provided and write a two page reflection paper on the book. The list of books and requirements for the paper can be found on the assignment page for AP Statistics. The Plymouth Public Library is aware of the list of books and has made an effort to have these titles available for PPS students.

AP Computer Science Principles - NEW FOR 2017!!

Read Dave Eggers' book, *The Circle* and/or watch the movie starring Emma Watson and Tom Hanks. Then, write a detailed one to two page reflection responding to the prompts distributed by your teacher in June with respect to the use of technology in *The Circle*. Have your reflection typed in a Google doc ready to be submitted electronically to Google classroom on the first day of class.

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SOCIAL STUDIES

[PSHS AP Modern European](#)

Information was distributed by Mr. McGinnis at the end of the year. Details can be found at this link <http://bit.ly/2sHtqc6>. Contact Mr. McGinnis at lmcginnis@plymouth.k12.ma.us with any questions.

[PNHS AP Modern European](#)

Information was distributed by Mr. Clark at the end of the year. Details can be found at this link <http://bit.ly/2sHtqc6>. Contact Mr. Clark at dclark@plymouth.k12.ma.us with any questions.

[PSHS AP US History](#)

Mr. Fust will meet on Tuesday June 6th, 2017 after school to distribute the AP Introduction Letter with all essential due dates for the work to be done over the summer. Included in the summer work is a list of books which students should choose ONE and complete the writing assignment that accompanies it (see handout). Also included are the Term Sheets for our first two units of study, 6.2 - *Rise of Big Business* and 6.3 - *Industrial Culture and Immigration*, the Historic Supreme Court Decisions Organizer and Elections Organizer. **Please refer to the AP Introduction Letter for all due dates as they are staggered throughout first term. Don't worry - they are NOT all due on the first day of school!!!!** Any questions, please contact Mr. Fust at wfust@plymouth.k12.ma.us. You can find the assignment at the following DropBox link: [AP US History Summer Work Packet 2017](#)

[PNHS AP US History](#)

Mr. Moore will meet with students enrolled in the course for the upcoming school year to distribute summer assignments. Student responsibilities and due dates will be explained in person. For the assignments packet, the two required books, and any questions related to the course, please see the instructor in room 324 before the end of the school year or contact Mr. Moore directly at scmoore@plymouth.k12.ma.us over the summer.

[PSHS AP Psychology](#)

Information distributed by Ms. Shaver at end of year meeting. Contact Ms. Shaver at ashaver@plymouth.k12.ma.us with any questions.

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[PNHS AP Psychology](#)

Information was distributed by Mr. Lauzon at the end of the year. Details can be found at this link <http://bit.ly/2sHtqc6>. Contact Mr. Lauzon at dlauzon@plymouth.k12.ma.us with any questions.

PNHS and PSHS Honors Social Studies Classes

Students enrolled in Honors social studies classes are required to participate in department summer reading. It is through reading that students become better writers and thinkers! This is an opportunity to be introduced to some of the people and events that have shaped our world. Parents and students should review the list, and make a choice based on the student's interest. Book list by grade level is on the back of this sheet. Many of these titles are available at the Plymouth Public Library.

The summer reading assignment is listed below. Assignment is test grade for term and due on September 8, 2017

Assignment:

- Choose 3 quotes from the book chosen and explain why each quote was surprising, interesting or important.
- Connect an issue in this story to two or more of the 4 themes of social studies: Compromise, Power, Connections or Change.
- Work submitted must reflect students own work. Proper citation of quotes and references must be included.
- Final paper should include student name, date and title of the book

For more information and book lists, please follow this [link http://bit.ly/2sHtqc6](http://bit.ly/2sHtqc6).

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ENGLISH DEPARTMENT

PSHS AP English Language and Composition

Students entering grade 11 AP English Language and Composition are provided a letter that details summer procedures and expectations. The assignments include: signing up for our summer Google Classroom site by June 16th; reading Erik Larson's non-fiction work *The Devil in the White City* and submitting a series of rhetorical analysis questions to the Classroom site by July 31st; and selecting 5 current events from a list of reputable news outlets and completing brief rhetorical analysis entries for each article. To obtain the AP letter, specific assignments, access to Classroom, and helpful resources, contact Ariana Gomez (agomez@plymouth.k12.ma.us) or Kathleen Collins (kcollins@plymouth.k12.ma.us) as soon as possible.

PSHS AP Literature

Students entering grade 12 AP Literature & Composition are given a letter and multiple handouts before summer vacation. The assignments include reading Thomas C. Foster's *How to Read Literature Like a Professor* and writing a composition of 1,000 words applying the work to previously read novels (due July 21), reading the Kathe Chopin novel *The Awakening* and actively commenting on at least three questions on the course Edmodo Online Discussion forum (from July 21-Aug 10) and reading Arthur Miller's *Death of a Salesman* and writing an AP composition (due the second day of class) that answers one of the two AP essay prompts in the class packet (and posted online). To obtain the AP letter, exact assignments, and for online discussion board access, contact Erik Walker (ewalker@plymouth.k12.ma.us) or Sarah Cullent (scullen@plymouth.k12.ma.us)

PNHS AP English Language and Composition

Students entering grade 11th grade AP English Language and Composition are provided with a packet that details procedures and expectations.

Part I: Reading Chapters 1-5 of *Everything's an Argument* and completing three practice essays (due August 1st).

Part II: Reading Erik Larson's *The Devil in the White City*, actively participating on our class blog, and writing an analysis essay.

To obtain the the packet or for any questions, please contact Mrs. Terry (mterry@plymouth.k12.ma.us) or Ms. Pickens (apickens@plymouth.k12.ma.us)

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PNHS AP Literature

Part I: Conduct a close, precise reading of Edith Hamilton's *Mythology* and *Genesis, Exodus* (chapters 1-20), *Judges* (chapters 11-16), *I Samuel* (chapter 17), *Esther*, *Job* (chapters 1-7 and 38-42), *Psalms* (chapters 23 & 119), *Ecclesiastes*, and *Luke* of the King James Version of the *Bible*. Find one motif that recurs throughout the Greek, Biblical and Norse stories, as well as in the artwork, film, music or literature of modern Western culture. In a well-crafted, three-dimensional artistic creation of your choosing, depict the motif as well as what its recurrence suggests about humanity as a whole. (Go beyond obvious choices in your selection of a motif. It is vital that you demonstrate originality and insight.) Be prepared to present your artwork and analysis with your classmates upon your return to school.

Part II: Write the first draft of your college essay, using one of the prompts from the Common App website. For more information contact Ms. Hughes (ehughes@plymouth.k12.ma.us) or Dr. Farren (rfarren@plymouth.k12.ma.us).

VIRTUAL HIGH SCHOOL (VHS)

Information that can be found here: <http://www.govhs.org/website.nsf/RTFContent/Academics-APSummer>

Please click on the links below to find summer assignments for the following AP VHS courses:

[AP Biology](#) | [AP Calculus AB](#) | [AP Chemistry](#) | [AP English Language](#) | [AP English Literature](#) | [AP Environmental Science](#) | [AP French](#)
[AP Government and Politics](#) | [AP Human Geography](#) | [AP Physics 1](#) | [AP Psychology](#) | [AP Spanish 5](#)

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FOREIGN LANGUAGE DEPARTMENT

Summer work for all of the PNHS Honors and AP language courses listed below can be accessed via the following link: <http://www.plymouth.k12.ma.us/page.cfm?p=3287>

PNHS French 2 Honors
PNHS French 3 Honors
PNHS French 4 Honors
PNHS AP French

PNHS Spanish 2 Honors
PNHS Spanish 3 Honors
PNHS Spanish 4 Honors
PNHS Spanish 5 Honors
PNHS AP Spanish

Once on the site, please find “Foreign Language Summer Work” and select the correct language course to open the summer work assignments. Summer work has been designed for students to review the essential content from previous language courses in order to ensure they are prepared for the next level of language study at the Honors or AP level. Students will take a beginning-of-year review exam on the summer work review material.

****Please email Michelle Lewison with any questions: mlewison@plymouth.k12.ma.us*

PSHS AP Spanish Language and Culture

AP Spanish Language and Culture is a course that develops students’ proficiency in the language and while deepening their understanding of the cultures of the Spanish-speaking world through a focus on six interrelated themes: Beauty and Aesthetics, Science and Technology, Global Challenges, Families and Communities, Contemporary Life, and Personal and Public Identities.

Over the summer, students will create a journal of reflections based on a variety of authentic Spanish language sources, including news articles, songs, podcasts, and videos related to these themes and to their personal interests. They will also complete a grammar review and submit three spoken reflections via Google Voice.

Students received their summer assignments at a meeting with Mr. Carpenito on June 6th. Copies of the assignments and additional resources can be viewed at the following Drop Box link:

<https://www.dropbox.com/sh/2x8wh4hkaxecm9e/AAAN6D3npnyb6SBvqd4dVhDQa?dl=0>

Please email Mr. Carpenito at mcarpenito@plymouth.k12.ma.us with any questions.

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VISUAL AND PERFORMING ARTS DEPARTMENT

PSHS Studio Art AP

Summer work has been distributed to students and can be accessed at:

<http://www.plymouth.k12.ma.us/page.cfm?p=3272>

Please Contact Ms. Quinn with any questions. cquinn@plymouth.k12.ma.us

PNHS Studio Art AP

Summer work has been distributed to students and can be accessed at:

<http://www.plymouth.k12.ma.us/page.cfm?p=3272>

Please Contact Mrs. Jezierski with any questions. ljezierski@plymouth.k12.ma.us

PSHS AP Music Theory

Summer work has been distributed to students and can be accessed at:

<http://www.plymouth.k12.ma.us/page.cfm?p=3272>

Please Contact Mr. Coon with any questions. bcoon@plymouth.k12.ma.us

PNHS AP Music Theory

Summer work has been distributed to students and can be accessed at:

<http://www.plymouth.k12.ma.us/page.cfm?p=3272>

Please Contact Ms. Holmes with any questions. bholmess@plymouth.k12.ma.us