

## **2025 AP/ECE Summer Course Work**

Advanced Placement and Early College courses offer Somers High School scholars the opportunity to earn college credit, though they can be challenging. To best prepare students for the rigor of these courses, Somers High School requires the completion of Summer Assignments. These assignments are mandatory for all students entering these courses and must be finished before the start of the academic year.

Below is a list of courses requiring Summer Assignments along with relevant information. For more details, please contact the instructor of the course.

| Course                         | Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Assignment                                                                                                               | Instructor   |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------|
| AP Computer Science Principles | The summer work packet is designed to have students begin to design and evaluate computational solutions for a program. Students will begin programming and design using an informal, iterative approach. There is no computing prerequisite for this course, so the summer work is necessary to get the students thinking in a logical step-by-step approach. Also, students will research their online digital footprint. The pace of this course is quick, so it is beneficial for the students to start the first day with prior knowledge of logical flow and iterative design, which the summer work provides. | Do sections 1.1 - 1.4 in CodeHS and answer questions on digital footprint.                                               | Greg Jackson |
| AP & Honors Art and Design     | <p>AP &amp; Honors Art Summer Work has 3 categories: Sketchbook Assignments (10), Life Drawing (1), and Projects (1). Creating artwork over the summer will help to maintain a consistent artistic practice and alleviate the pressure during the school year of producing the many quality pieces needed for a successful portfolio and senior showcase.</p> <p>In addition to those 3 categories AP Art students will also be required to complete a mini investigation series of 7 works that center around a common idea. This will be used as a starting point for the AP Portfolio</p>                         |  HONORS and AP summer 2025.docx.pdf | Kyle Kipfer  |

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                      |               |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------|
|             | in which students will need 15 images centering around an inquiry or concept. The investigation from summer may be continued into the school year and some of these works may be included in the final portfolio submission.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                      |               |
| AP Calculus | This packet is a refresher on algebraic manipulation. It is essential that students are proficient in manipulating algebraic expressions coming into the class in order to apply Calculus concepts taught in class. Any topic taught before AP Calculus has the possibility of showing up embedded in a problem. It is a great place to also start practicing using proper notation throughout your work. The AP test is very particular about how you communicate your work and what is written on the page. This assignment reminds students of some past topics learned and will reinforce proper notation. This assignment counts as a large homework assignment.                                                                                                                                                                                                |  AP Calc AB Summer Work.pdf       | Jenna Fortini |
| AP Physics  | <p>The AP Physics 1 summer assignment is meant to be a review covering manipulating equations, describing relationships, and creating graphs from data by hand. These are Science Skills emphasized throughout the AP Physics 1 curriculum and are assessed in the multiple-choice and free-response portions of the exam. I have included a copy of the equation sheet for this class for your <b>reference</b>. You are not required to memorize or understand these equations YET!</p> <p>The document is a PDF. A paper copy is given prior to the end of the school year and is posted electronically in Google Classroom. You may print another copy or complete the problems on a separate piece of paper if needed. The teacher will be collecting your work on the second day of class. If you have any questions, please contact the teacher by email.</p> |  AP Physics summer work 25-26.pdf | Erin Maynard  |

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| AP Psychology                 | <p>This assignment is designed to expose students to the basic foundations of Psychology. The introductory chapter will provide valuable insight into the various approaches to psychology which are embedded throughout the entire course. A firm understanding of these approaches is critical as they are often applied to the variety of topics within the curriculum. This chapter will be taught at the beginning of the year but it is important that students enter the course with a basic understanding of these approaches. Their task is to read the first chapter and take handwritten notes. Those notes will be due on the first day followed by an assessment that addresses the main approaches.</p>             |  Approaches to Psychology Summer Assignm...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Marc Dzicek      |
| AP Literature and Composition | <p><i>Invisible Man</i> by Ralph Ellison is the most frequently appearing text on past AP exams. Additionally the thematic concepts are a catalyst to the overarching concepts of the course. Concepts such as understanding one's own identity and their relationship with society, race and identity, ingrained racism in fabrics of society, and more are frequently visited topics in AP Literature and Composition, making <i>Invisible Man</i> a pertinent precursor text coming into the course.</p> <p>Poetry comprises nearly 50% of the course. Because many students are new to poetry, coming into the course with a basic understanding of the purpose of poetry, as well as basic poetry terms, will be useful.</p> | <p><a href="#">AP Literature &amp; Composition</a></p> <p>For the required text, <b><u>please take notes</u></b> on important plot points, character development, and most impactful quotes. These must be <b>handwritten notes</b> (minimum of 2 notes per chapter). The notes will be assessed on both the accuracy of the content and the importance of the details selected. A writing prompt asking about the themes of the assigned reading will be given in class once Chromebooks are dispersed. Further conversations around this concept and its application to the books will be had in class.</p> <p><b><i>“Introduction to Poetry”</i> packet-</b> 20 hand-written notes and definitions:</p> <p><a href="#">Introduction to Poetry</a></p> | Mindy Lajeunesse |

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| AP Language and Composition | <p>The rhetorical devices introduce students to terms they need to know for the course, rhetorical analysis and critical reading.</p> <p><i>1984</i> by George Orwell is a pinnacle novel in the 11th grade curriculum and is a dystopian novel that addresses many similar themes of the AP Language and Comp and the UConn ECE 1007 Course. Exposure to this novel will allow students to apply evidence to FRQ3 on the AP Exam, as well as expose them to issues and skills that often appear in the nonfiction sections of the Language Exam, including political rhetoric, textual analysis, analyzing cause and effect and more. The writing piece serves as evidence that the students analytically engaged with the essay topic options, and it also reinforces essay mechanics learned in honors 10 so that they can build on this throughout the course.</p> | <p><a href="#"><u>AP Language and Composition</u></a></p> <p><b>Required Reading:</b><br/>For the required text, <i>1984</i> by George Orwell, <b><u>please take notes</u></b> on important plot points, character development, and most impactful quotes. These must be <b>handwritten notes</b> (minimum of 2 notes per chapter) . The notes will be assessed on both the accuracy of the content and the importance of the details selected. A prompt asking about the themes of the assigned reading will be given in class once Chromebooks are dispersed. Further conversations around this concept and its application to the books will be had in class.</p> <p><a href="#"><u>Introduction to Rhetorical Devices</u></a> packet: Read packet and answer the 15 review questions (handwritten only).</p> | Mindy Lajeunesse |
| UConn ECE/AP Biology        | <p>The students have five chapters to complete over the summer. This includes questions and vocabulary for the Ecology chapters 52–56. These will be collected the first day we return to class. We will carry out the labs associated with these chapters when they return and go over each assignment and chapter. This summer work is necessary in order to complete all course work associated with the ECE UConn Biology classes 1108 and 1107.</p> <p>Students will get their Biology book before summer. They will sign the contract and return it to me before the end of the fourth quarter.</p>                                                                                                                                                                                                                                                              | <p> Chap 52 summer Assign. 2025.docx</p> <p> Ch 53 Summ Assign. 2025.docx</p> <p> Ch 54 Summ Assign 2025.docx</p> <p> Capt 55 Sum. Assign 2025.docx</p> <p> Chap 56 Sum Assign 2025.docx</p>                                                                                                                                                                            | Karen Legg       |

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                 |                |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|----------------|
| UCONN ECE Chemistry             | <p>These problems reinforce what was learned in honors chemistry. Students are expected to know this information before they get to the class so we have time in the semester to learn all the new concepts that are required. This homework will be worth Two normal homework grades. A quiz on this material will be given on the second day of class.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  AP_ECE Chemistry course_summer work.pdf     | Mary Neyssen   |
| AP World History                | <p>To be successful in this course, in part, students need a clear vision of world geography, which is absolutely essential for success with the AP World History curriculum. The world map activity helps to remind them of global regions, countries, topography, etc. Requiring the students to have read the first two introductory chapters prior to the beginning of the school year allows us to hit the ground running and meet the needs of College Board's curriculum in time for the exam in May. During the first week of school the students will complete a map quiz covering the locations identified by the summer work.</p>                                                                                                                                                                                                                                           |  AP World History Summer Assignment 2024-... | Andrew Drummey |
| UCONN ECE United States History | <p>Students must annotate two essays by Charles Beard and Henry Commager regarding the Constitution of the United States. The annotations are due on the first day of school and must be handwritten on the packet that they receive prior to the end of the school year. Within the first week of school, the students will use those annotations in two assignments:</p> <ul style="list-style-type: none"> <li>• A Socratic seminar discussion</li> <li>• A written reflection on the discussion</li> </ul> <p>The goal for this assignment is for students to understand the role that historiography (the study of different arguments in history) plays in our understanding of the past. By examining two different perceptions of the Constitution, students will be able to debate other types of writing throughout the year. This is in line with the UCONN curriculum.</p> | <a href="#">UCONN ECE United States History Summer Assignment</a><br><br><a href="#">Beard and Commager Essays</a>              | Phil Goduti    |

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                    |                |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------|
| AP Precalculus | <p>The summer work for AP Precalculus is crucial for ensuring that students have a solid understanding of the 13 prerequisite topics necessary for success in the course. These topics, which include functions, algebraic manipulation, trigonometry, and graphing, provide the foundational knowledge required to navigate the advanced concepts of the AP Precalculus curriculum. By reviewing these areas during the summer, students can enhance their understanding, address any gaps in prior learning, and develop the problem-solving skills essential for the demands of AP Precalculus. This preparation will enable students to effectively engage with the complex material and keep pace with the accelerated course.</p> <p>The summer work practice packet will be due on the first day of school, graded on accuracy, and go under the Learning Tasks category in PowerSchool. Students will take an assessment during the first long block period of the school year, covering all material included in the summer packet.</p> |  AP Precalculus Summer Work.pdf | Ashleigh Duval |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------|