

# Lithia Springs High School 2016 Honors & AP Summer Assignments

All handouts referenced in this document are available for download at

<http://tinyurl.com/lshsummer16>

Find the class you will take in each content area and complete the assignment listed. If you have any questions, contact the teacher named with the assignment.

Subject	Course	Assignment
English	ALL GRADES Literary Nonfiction	<p>All grade levels are required to read an informational text and to complete a SOAPSTONE analysis of that text. The instructions for that analysis can be found online at <a href="http://tinyurl.com/lshsummer16">http://tinyurl.com/lshsummer16</a>.</p> <ul style="list-style-type: none"> <li>• <b>9<sup>th</sup> Grade</b> - Read <i>Deadly Feast</i> by Richard Rhodes (required for students taking AP Environmental Science) <b>OR</b> <i>The Stuff of Life</i> by M. Schultz, Z. Cannon, &amp; K. Cannon (required for students taking Honors Biology)</li> <li>• <b>10<sup>th</sup> Grade</b> - Read <i>Surviving the Extremes</i> by Kenneth Kamler (required for students taking AP Biology) <b>OR</b> <i>The Disappearing Spoon</i> by S. Kean (required for students taking AP Chemistry)</li> <li>• <b>11<sup>th</sup> Grade</b> - Read <i>The Radioactive Boy Scout</i> by K. Silverstein (required for students taking Honors Chemistry) <b>OR</b> <i>The Physics of Superheroes</i> by James Kakalios (required for students taking AP Physics 1)</li> <li>• <b>12<sup>th</sup> Grade</b> - Read <u>one</u> of the following: <i>The Physics of Superheroes</i> by James Kakalios (required for students taking AP Physics 1), <i>The Amazing Story of Quantum Mechanics</i> by James Kakalios (required for students taking AP Physics C), <i>Surviving the Extremes</i> by Kenneth Kamler (required for students taking AP Biology), <b>OR</b> <i>Deadly Feast</i> by Richard Rhodes (required for students taking AP Environmental Science)</li> </ul>
	9 <sup>th</sup> / 10 <sup>th</sup>	<p>No additional assignment.</p> <p>9<sup>th</sup> Grade – Email Ms. Millinor with any questions – <a href="mailto:payton.millinor@douglas.k12.ga.us">payton.millinor@douglas.k12.ga.us</a>            10<sup>th</sup> Grade – Email Ms. Warren with any questions – <a href="mailto:petrina.warren@douglas.k12.ga.us">petrina.warren@douglas.k12.ga.us</a></p>
	AP English Language and Composition (11 <sup>th</sup> )	<p>For AP Language, you must be aware of major events in the world. To ensure this, you will READ (no television or video sources) and analyze <b>FIVE NEWS ARTICLES</b> this summer and complete a SOAPSTONE analysis for each.</p> <ul style="list-style-type: none"> <li>• At least three articles must be related to these domestic (U.S.) issues: 2016 Presidential Election, Money in Politics, Supreme Court, Budget and Taxes, Minimum Wage, Welfare/Poverty, Health Care/Obamacare, Illegal Immigration, Sex and Gender: Gay Marriage, Gender-neutral Public Bathrooms, Education Policy/Standardized Testing, Gun Control, NSA Surveillance</li> <li>• At least one article must be related to these international issues: Drone Warfare, Climate Change, Refugee Crisis in Europe, ISIS, War: Israel-Palestine, Syria.</li> <li>• You may choose from any of these issues for your fifth analysis.</li> <li>• Acceptable news sources: Atlanta Journal Constitution, Boston Globe, Christian Science Monitor, Los Angeles Times, National Public Radio, National Review, New York Times, Slate, The Daily Beast, The Week, Wall Street Journal, Washington Post. Also, the Fox or CNN websites, not TV.</li> </ul> <p>Email Coach Fowler with any questions – <a href="mailto:phillip.fowler@douglas.k12.ga.us">phillip.fowler@douglas.k12.ga.us</a></p>
	AP English Literature (12 <sup>th</sup> )	<p>For AP Literature, you must be comfortable with literary quality poetry. To ensure this, you will read and analyze <b>FIVE POEMS</b> this summer and complete a SOAPSTONE analysis for each. You may choose poems only from these websites: <a href="http://www.poetryfoundation.org">www.poetryfoundation.org</a>, <a href="http://www.poets.org">www.poets.org</a>, <a href="http://favoritepoem.org">favoritepoem.org</a>, <a href="http://www.poems.com">www.poems.com</a>, <a href="http://www.loc.gov/poetry/180">www.loc.gov/poetry/180</a>, <a href="http://www.poemhunter.com">www.poemhunter.com</a>, <a href="http://www.rpo.library.utoronto.ca/display/index.cfm">www.rpo.library.utoronto.ca/display/index.cfm</a>.</p> <p>Students wanting to get a head start on the semester may wish to read <i>Lord of the Flies</i> as well.</p> <p>Email Ms. Payne with any questions – <a href="mailto:carol.payne@douglas.k12.ga.us">carol.payne@douglas.k12.ga.us</a></p>
Mathematics	<p><b>Accelerated Algebra 1 &amp; Geometry Part A</b> (9<sup>th</sup>) -- Complete the Accelerated Algebra 1 &amp; Geometry Prerequisite Review Packet</p>	
	<p><b>Accelerated Geometry Part B &amp; Algebra 2</b> (10<sup>th</sup>) – Complete the Accelerated Geometry &amp; Algebra 2 Prerequisite Review Packet</p>	
	<p><b>Pre-Calculus</b> (11<sup>th</sup>) – Complete the Pre-Calculus Prerequisite Review Packet</p>	
	<p><b>AP Calculus AB/BC</b> (12<sup>th</sup>) – Complete the AP Calculus Prerequisite Review Packet</p>	
	<p><b>AP Statistics</b> -- Complete the AP Statistics Prerequisite Review Packet</p> <p>Email Mr. Lee with any questions – <a href="mailto:keenan.lee@douglas.k12.ga.us">keenan.lee@douglas.k12.ga.us</a></p>	

<b>Science</b>	<b>AP Biology</b>	<p>Watch the following 3 Bozeman videos (~10 minutes each) and complete the accompanying worksheet.</p> <p>Essential Characteristics of Life: <a href="http://www.bozemanscience.com/005-essential-characteristics-of-life">http://www.bozemanscience.com/005-essential-characteristics-of-life</a>          Accompanying Worksheet: <a href="http://tinyurl.com/hkp4ny9">http://tinyurl.com/hkp4ny9</a></p> <p>Macromolecules: <a href="http://www.bozemanscience.com/042-bioloical-molecules">http://www.bozemanscience.com/042-bioloical-molecules</a>          Accompanying worksheet: <a href="http://tinyurl.com/j4atagb">http://tinyurl.com/j4atagb</a></p> <p>AP Bio Practice 1- Models and Representations: <a href="http://www.bozemanscience.com/apb-practice-1-models-representations">http://www.bozemanscience.com/apb-practice-1-models-representations</a>          Accompanying worksheet: <a href="http://tinyurl.com/hktzjee">http://tinyurl.com/hktzjee</a></p> <p>If you would like to purchase an AP Biology Review Book, such as Barron's or Princeton, you can; however, I will have <i>5 steps to a 5 on the AP Biology Exam</i> available once school begins.          Email Ms. Parker with any questions – <a href="mailto:becky.parker@douglas.k12.ga.us">becky.parker@douglas.k12.ga.us</a></p>
	<b>AP Chemistry</b>	<p>Complete the AP Chemistry Introductory Packet, which is available for download at <a href="http://tinyurl.com/lshsummer16">http://tinyurl.com/lshsummer16</a>.</p> <p>Completed work must be submitted by JULY 25th. Mail the assignments to the school address, drop them at the main office, or scan them and send them via email.</p> <p>For additional preparation, students can go to <a href="http://www.gpb.org/chemistry-physics/students/all">http://www.gpb.org/chemistry-physics/students/all</a> and watch the Chemistry videos and complete the accompanying worksheets.          Email Mr. Krouba with any questions – <a href="mailto:patrick.krouba@douglas.k12.ga.us">patrick.krouba@douglas.k12.ga.us</a> or <a href="mailto:rbulusu@mtsd.us">rbulusu@mtsd.us</a></p>
	<b>AP Physics 1</b>	<p>The following worksheets are available for download at <a href="http://tinyurl.com/lshsummer16">http://tinyurl.com/lshsummer16</a>.</p> <ul style="list-style-type: none"> <li>• Complete the <u>scientific notation</u> exercises, #1-60 (EVEN ONLY). Print page or hand copy questions and answers. Show your work. (Note the parenthesis!)</li> <li>• Read through the lesson on <u>conversions</u>, and complete practice problem sets 2 and 3. Print pages or hand copy questions and answers. Show work. (Note: This is a mixed review and you may need to do a little research in metric prefixes.)</li> <li>• Complete the <u>dimensional analysis</u> work sheet. Show your work.</li> <li>• Review <u>trigonometry for physics</u>.</li> <li>• Complete the <u>trigonometry</u> handout. Print pages or hand copy questions and answers. Draw the "triangles" for questions 31 through 36. Show your work. Answers are at the end of the packet.</li> <li>• Review the <u>solving for unknown variables</u> work sheet and complete exercises 1-4, #1 only. Print pages or hand copy questions and answers. Show your work. Answers are at the end of the packet.</li> </ul> <p>Email Mr. Randolph with any questions – <a href="mailto:john.randolph@douglas.k12.ga.us">john.randolph@douglas.k12.ga.us</a></p>
	<b>AP Physics C</b>	<p>Complete the <u>motion graphs</u> assignment, which can be downloaded at <a href="http://tinyurl.com/lshsummer16">http://tinyurl.com/lshsummer16</a>.          Email Mr. Randolph with any questions – <a href="mailto:john.randolph@douglas.k12.ga.us">john.randolph@douglas.k12.ga.us</a></p>
<b>Social Studies</b>	<b>AP US Gov</b>	<p>Complete an analysis of 3 current events (approx. 200 words). Be sure to follow the instructions that are provided at <a href="http://tinyurl.com/lshsummer16">http://tinyurl.com/lshsummer16</a>.          Email Mr. Vu with any questions – <a href="mailto:vinh.vu@douglas.k12.ga.us">vinh.vu@douglas.k12.ga.us</a></p>
	<b>AP World History</b>	<p>Complete the AP World History Summer Identifications Assignment, which can be downloaded at <a href="http://tinyurl.com/lshsummer16">http://tinyurl.com/lshsummer16</a>.</p> <p>You will need to complete identifications for the terms provided. An identification is essentially a definition taken to the next level. All identifications should include what/who the term is, the time period in which it occurred (a century is fine), where it occurred, and why it is significant. Each identification should be AT LEAST 3 sentences in length and MUST be handwritten; typed identifications will not be accepted.          Email Mrs. Kellett with any questions – <a href="mailto:savanna.reese@douglas.k12.ga.us">savanna.reese@douglas.k12.ga.us</a></p>
	<b>AP US History</b>	<p>Complete the <u>Native Populations and European Exploration</u> assignment, which can be found under presentations at: <a href="http://tinyurl.com/zerhvyna">http://tinyurl.com/zerhvyna</a> or at <a href="http://tinyurl.com/lshsummer16">http://tinyurl.com/lshsummer16</a>.          Email Mr. Vu with any questions – <a href="mailto:vinh.vu@douglas.k12.ga.us">vinh.vu@douglas.k12.ga.us</a></p>
	<b>AP Econ</b>	<p>No assignment.</p>