

140.1 <b>Ce</b> 58	14.01 <b>N</b> 7	127.6 <b>Te</b> 52	14.01 <b>N</b> 7	58.69 <b>Ni</b> 28	26.98 <b>Al</b> 13
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# AP Environmental Science Syllabus 2020-2021

Mr. Jesse Vander Weerd  
[jesse.vanderweerd@ankenyschools.org](mailto:jesse.vanderweerd@ankenyschools.org)

School Phone: 965-9610  
 Ext. 2334

Main Ideas:	Supporting Details:	Connections:
<b>School and Class Expectations:</b>	<p>In <i>APES</i> we embody the <u>Spirit of the Jaguar</u> by:</p> <ul style="list-style-type: none"> <li>• Caring first for others.</li> <li>• Respecting the diverse natures and opinions of your peers and your teacher.</li> <li>• Pursuing excellence through hard work.</li> <li>• Creating a welcoming environment where every person feels valued and important.</li> <li>• Bringing honor to yourself and your school through character and integrity.</li> <li>• Collaborating with peers to accomplish common goals.</li> </ul> <p>Behavior expectations in class:</p> <ul style="list-style-type: none"> <li>• Attending class</li> <li>• Bringing required materials to class</li> <li>• Participating in all learning activities</li> <li>• Keeping materials updated and organized</li> <li>• Completing in-class and outside-class practice exercises</li> <li>• Showing respect for the learning of others.</li> </ul> <p>Cell phones should be silenced and put away (off your desk in your school bag) when class begins. They must stay put away until the end of class, unless instructed to use cellular device for class.</p>	<ul style="list-style-type: none"> <li>✓ These are expectations and skills that are needed to be successful in all areas of your academic and personal life.</li> </ul>

Main Ideas:	Supporting Details:	Connections:
<b>Course Objectives:</b>	In AP Environmental Science, students will engage with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. AP Environmental Science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. (College Board)	
<b>By the end of the course you will understand:</b>	<ol style="list-style-type: none"> <li>1. Science is a process.</li> <li>2. Energy conversions underlie all ecological processes.</li> <li>3. The Earth itself is one interconnected system.</li> <li>4. Humans alter natural systems.</li> <li>5. Environmental problems have a cultural and social context.</li> <li>6. Human survival depends on developing practices that will achieve sustainable systems.</li> </ol> (College Board)	.
<b>Required Materials :</b>	Bring the following to class each day: <ul style="list-style-type: none"> <li>• Chromebook</li> <li>• 3-ring binder with loose leaf paper</li> <li>• Writing utensils: black/blue pens and pencils</li> <li>• Colored pens or pencils</li> <li>• Highlighters</li> <li>• Earbuds</li> <li>• Dry erase markers for working on desks</li> </ul>	✓ Being successful means being prepared.

Main Ideas:	Supporting Details:	Connections:																										
18-Week and Semester Grading Scale:	<table><tr><th>Minimum Percent</th><th>Letter Grade</th></tr><tr><td>92.5</td><td>A</td></tr><tr><td>89.5</td><td>A-</td></tr><tr><td>86.5</td><td>B+</td></tr><tr><td>82.5</td><td>B</td></tr><tr><td>79.5</td><td>B-</td></tr><tr><td>76.5</td><td>C+</td></tr><tr><td>72.5</td><td>C</td></tr><tr><td>69.5</td><td>C-</td></tr><tr><td>66.5</td><td>D+</td></tr><tr><td>62.5</td><td>D</td></tr><tr><td>59.5</td><td>D-</td></tr><tr><td>&lt; 59.5</td><td>F</td></tr></table>	Minimum Percent	Letter Grade	92.5	A	89.5	A-	86.5	B+	82.5	B	79.5	B-	76.5	C+	72.5	C	69.5	C-	66.5	D+	62.5	D	59.5	D-	< 59.5	F	<ul style="list-style-type: none"><li>✓ A 0-100 percent scale will be utilized at the secondary level in the Ankeny Community School District.</li><li>✓ Letter grades will continue to be assigned for all courses at the secondary level based on the 0-100 percent scale.</li><li>✓ When a rubric is converted to a letter grade, the 0-100 percent scale will be employed.</li></ul>
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Main Ideas:	Supporting Details:	Connections:
<b>Grading Practices:</b>	<p>Grades will be based on your performance in the following areas:</p> <ol style="list-style-type: none"> <li>1: Ecosystems</li> <li>2: Biodiversity</li> <li>3: Populations</li> <li>4: Earth Systems and Resources</li> <li>5: Land and Water Use</li> <li>6: Energy Resources and Consumption</li> <li>7: Atmospheric Pollution</li> <li>8: Aquatic and Terrestrial Pollution</li> <li>9: Global Change</li> <li>10: Science Practices</li> </ol> <p>Academic dishonesty will not be tolerated. Any violations will be dealt with in accordance with Ankeny School policy.</p>	<p>✓ To ensure that grades reflect progress toward and achievement of the standards, giving extra credit or bonus points will <b>NOT</b> occur in this class.</p>

Main Ideas:	Supporting Details:	Connections:
<p><b>Grades represent understanding of the standards and skills:</b></p>	<p>The grade of <b>A</b> is characteristic of a student who has a <b><u>strong understanding</u></b> of the standards and skills with <b><u>excellent</u></b> scientific reasoning skills.</p> <p>The grade of <b>B</b> is characteristic of a student who has <b><u>an understanding</u></b> of the standards and skills with <b><u>good</u></b> scientific reasoning skills.</p> <p>The grade of <b>C</b> is characteristic of a student that has <b><u>a basic understanding</u></b> of the standards and skills but is working toward mastery. They have basic scientific reasoning skills.</p> <p>The grade of <b>D</b> is characteristic of a student who has <b><u>little understanding</u></b> of the standards and skills. They have <b><u>poor</u></b> scientific reasoning skills.</p> <p>The grade of <b>F</b> is characteristic of a student who shows <b><u>no understanding</u></b> of the standards and skills. They have <b><u>poor or no</u></b> scientific reasoning skills.</p> <p>The grade of <b>Incomplete (INC)</b> is given when:</p> <ul style="list-style-type: none"> <li>work has not been completed for learning to be assessed.</li> </ul> <p>--OR--</p> <ul style="list-style-type: none"> <li>work completed has not met minimum expectations.</li> </ul> <p>All work will need to be completed and meet minimum expectations to earn credit for the course.</p>	<p>✓ <b>Formative Assessment:</b> Formal and informal processes teachers use to gather evidence for the purpose of improving learning.</p> <p>✓ <b>Summative Assessment:</b> Assessments that provide evidence of student achievement for the purpose of making a judgment about student competence or program effectiveness.</p>
<p><b>Multiple and Varied Assessment Opportunities (including Retakes):</b></p>	<ul style="list-style-type: none"> <li>Assessments will be announced several days in advance.</li> <li>If you are absent on a review day, you may still be expected to take the assessment on the scheduled day. If you are absent on the day of the assessment, it is your responsibility to see me to arrange the soonest possible make-up date and time.</li> <li>All work will need to be completed before the assessment to ensure you are ready.</li> <li>You will have multiple assessment opportunities to demonstrate higher levels of achievement. The opportunities may be initiated by your instructor or you, but always at the instructor's discretion. Additional opportunities may include retakes of an alternate form of an assessment (e.g., Form B instead of Form A), revisions of work products based on descriptive feedback, or alternative methods of assessments (e.g., an oral response rather than a written test).</li> </ul>	<p>✓ Being prepared and studying for assessments will help to ensure your learning of the material and this will be reflected in your overall grade.</p> <p>✓ Each skill and standard will be assessed multiple times.</p>

Main Ideas:	Supporting Details:	Connections:
<b>Guidelines for retakes:</b>	<ul style="list-style-type: none"> <li>• You will be provided the opportunity to be reassessed on a skill.</li> <li>• Your teacher will determine appropriateness and authentic need for reassessments.</li> <li>• Generally, reassessments will be limited to one retake per assessment. Additional reassessments will be provided at the discretion of the teacher.</li> <li>• Retakes will be taken within a reasonable time frame that the teacher determines. You will be informed of the deadline in advance.</li> </ul>	<ul style="list-style-type: none"> <li>✓ You will need to complete relearning, to be determined by you and the teacher, before a reassessment can occur.</li> </ul>
<b>Homework / Independent Practice:</b>	<ul style="list-style-type: none"> <li>• Homework is an opportunity for you to practice skills, apply knowledge, review and build on past learning, and extend learning.</li> <li>• Homework is individualized and based on your progress towards established standards.</li> <li>• The purpose of the assignment will determine whether or not a grade is given. You will know in advance if the assignment will be graded.</li> </ul>	<ul style="list-style-type: none"> <li>✓ Through independent learning tasks (homework), you will assume more responsibility for your learning through opportunities to apply what you have learned to new situations or experiences.</li> </ul>

<b>Make-up Work:</b>	<ul style="list-style-type: none"> <li>• <b><u>YOU</u></b> are responsible for collecting your make-up work. You will need to check the calendar for material covered and check the folder for handouts.</li> <li>• Make-up work for all prearranged absences must be completed before you leave. This includes all school-related activities.</li> <li>• If you are present in class when an assessment or project is announced, you are expected to complete the task on the scheduled day.</li> </ul>	✓ Being successful means being responsible!
<b>Behavioral Expectations</b>	<p>The work habits/behavior standards are for grades 6-12 courses in our district. These work habits/behavior standards will be reported throughout the semester and are as follows:</p> <ul style="list-style-type: none"> <li>• Organization and Readiness</li> <li>• Productivity and Accountability</li> <li>• Collaboration Skills</li> </ul> <p>We will be using the following performance levels:</p> <p>MS: Meets Standard  PM: Partially Meets Standard  DM: Doesn't Meet Standard  NE: No Evidence</p>	