



## Anatomy & Physiology

**Course Description:** This course takes a closer look at the biological structure of humans, including things such as tissues, organs, muscles, bones, and blood. The first semester includes anatomical terminology, the study of structure and function of tissues, and the integumentary, skeletal, and muscular systems, while the second semester includes the nervous and cardiovascular systems. This course also involves a laboratory component, which includes anatomical studies using microscopy and dissection and the study of physiological concepts. Each semester, students will also be involved with multiple tasks in order to successfully host a Blood Drive at Central High School.

**Attendance:** Students are required to be in school every day. Students are responsible for communicating with their teachers to make up for missed learning.

### Essential Skills:

1. Investigating Practices
2. Sensemaking Practices (Analyzing & Concluding)

**Course Expectations:** Although not everything is graded, everything is important. In order to demonstrate growth and learning, students will need to:

1. Participate in class activities (take notes, work in a group, complete in class tasks, ask questions) without distractions (cell phones, games, etc.)
2. Use morning time and the teacher to seek help outside of class when needed.
3. Complete all assessments within teacher timelines.
4. Be a contributing member of the class, both individually and collectively.
5. Dress accordingly for lab days (long pants, closed-toe shoes, and tie back long hair).

### Grading

**Learning (Practice)** includes instructional activities in and outside of class and are not used in grade determination. Although this is not part of your grade, it is practice. Very few students can do well on quizzes and exams without doing practice, so the sooner you take responsibility for practicing before scrimmages and games, the better.

**Skyward Assessment (Scrimmage and Games = Grades)** may include quizzes, labs, learning checks, tests, speeches, performances, and projects.

Final Grade	
A	100% - 90%
B	80% - 89%
C	70% - 79%
D	60% - 69%
F	0% - 59%

### **Calculations:**

Final Grade Calculation	
Cumulative Grade	<b>95%</b>
Final Exam(s)	<b>5%</b>

### **Central High School Courses:**

- Will determine grades based on student performance and growth.
- Will not include practice and behavior in grade determination.
- Will give all students regardless of absence an opportunity to demonstrate learning.
- Will not include extra credit.

### **Instructional Resources:**

Textbook: Essentials of Human Anatomy & Physiology, 11th edition by Elaine Marieb.

Other readings from sections of the following books:

The Immortal Life of Henrietta Lacks by Rebecca Skloot

Another Day in the Frontal Lobe: A Brain Surgeon Exposes Life of the Inside by Katrina Firlik

Websites:

<https://www.cdc.gov/>

<https://www.cancer.org/>

<https://www.anatomyarcade.com/>

<https://learn.genetics.utah.edu/>

# Course Calendar/Pacing:

<p style="text-align: center;"><b>August/September</b></p> <table border="1"> <tr><td></td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr> <tr><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td></tr> <tr><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> </table>		21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	<p style="text-align: center;"><b>October</b></p> <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr> <tr><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td></tr> <tr><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td></tr> <tr><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td></tr> <tr><td>29</td><td>30</td><td>31</td><td></td><td></td><td></td><td></td></tr> </table>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					<p style="text-align: center;"><b>November</b></p> <table border="1"> <tr><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td></tr> <tr><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td></tr> <tr><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr> <tr><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td></tr> <tr><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td></td><td></td></tr> </table>				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
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