Welcome to Ms. Benkendorff's 7th Grade Science Class
eseman@sandinet

**Course Description:** Providing a safe learning environment is one of my primary goals. This allows students to feel respected, engaged, and excited to learn science.

**Course Standards:**

<table>
<thead>
<tr>
<th>Amplify Science:</th>
<th>Geology on Mars:</th>
<th>Plate Motion:</th>
<th>Rock Transformations:</th>
</tr>
</thead>
<tbody>
<tr>
<td>This is an Interactive online program. In each Amplify unit students take on the role of Scientists and investigate a real world 21st century problem. <a href="https://www.cde.ca.gov/pd/ca/sc/ngssstandards.asp">https://www.cde.ca.gov/pd/ca/sc/ngssstandards.asp</a></td>
<td>-understanding landforms -planet habitability requirements -using evidence to support a claim</td>
<td>-understanding fossils to learn about earth's past -plate tectonics -convections currents -using evidence to support a claim</td>
<td>-energy drives Earth's processes -the cycling of Earth's materials -the Earth is dynamic -using evidence to support a claim</td>
</tr>
</tbody>
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<tr>
<th>Phase Change:</th>
<th>Chemical Reactions:</th>
<th>Populations and Resources:</th>
<th>Matter and Energy in Ecosystems:</th>
</tr>
</thead>
<tbody>
<tr>
<td>-molecular scale &amp; macroscale</td>
<td>-substances and their properties -products and reactants -atoms cannot be created or destroyed -using evidence to support a claim</td>
<td>-resources affect a population -energy in a food web -births and deaths in a population -using evidence to support a claim</td>
<td>-cellular respiration and photosynthesis -energy movement in an ecosystem -using evidence to support a claim</td>
</tr>
</tbody>
</table>

**Standards Based Grading**
- Student work is graded directly whether it demonstrates a mastery of a clear list of objectives.
- Students can have multiple opportunities to demonstrate mastery of an objective.

**Google Classroom (GC)**
Google Classroom is the “digital” resource for each Amplify unit we cover in science. GC will be used each day. Sign in at classroom.google.com

**NGSS**
Our classroom learning follows the Next Generation Science Standards (NGSS). NGSS follows a three dimensional approach to science to include: cross-cutting concepts, science & engineering practices, and disciplinary core ideas. Students will learn to think like scientists and engineers with an emphasis on inquiry based learning. For more information on NGSS please visit: [www.nextgenscience.org](http://www.nextgenscience.org)

**If You Are Absent:**
- Be responsible
- Ask for help
- Email teacher
- Attend tutoring (at lunch or afterschool each Thursday)

**Be Prepared Day**
- Charge your computer each night
- Computers will be used daily
- Come to school with paper, binder, colored pencils, science handouts.
### How Will Students Learn

- Evaluating Evidence
- Explaining phenomena
- Analyzing and interpreting data
- Group Work / Active Readings
- Constructing and explaining models

### Behavioral Expectations

- Be Safe
- Be Respectful
- Be Responsible
- Work Together

### Homework/Late Policy

- Every effort should be made to hand in assignments on time.
- Make-up work from absences is due the same number of days upon return that you were gone. (Absent 1 day, due 1 day after you get back. Gone for 3 days, due 3 days after you get back.)
- LATE assignments accepted. Must be turned in within the semester.