

**Mrs. Solano**

**7th & 8th Math + Science**

Teaching Hours for 7th grade: 10-11 am

Teaching Hours for 8th grade: 12-1pm

Office Hours for 8th grade & parents: 9-10am

Office Hours for 7th grade & parents: 11-12

Mr. V Office Hours: 9:00-11:00 (No Thursdays)

Lesson Plans

**Week of: May 04- 08, 2020**

# 7th GRADE

## Science

Standard	Objective(s)
MS-ESS2-2: Construct an explanation based on evidence for how geoscience processes have changed Earth's surface at varying time and spatial scales. MS-ESS3-1: Construct a scientific explanation based on evidence for how the uneven distributions of Earth's mineral, energy, and groundwater resources are the result of past and current geoscience processes. MS-ESS1-3. Analyze and interpret data to determine scale properties of objects in the solar system.	Los estudiantes podrán usar la lectura para poder hacer relaciones entre formaciones de rocas y roca similares. Los estudiantes podrán realizar investigaciones y analizar evidencia a medida que conectan ideas sobre tipos de rocas, materiales intermedios como el magma y los sedimentos, la energía necesaria para transformar rocas, los procesos de transformación y cómo el movimiento de las placas permite que ocurran algunas transformaciones de rocas.

## Math

Standard	Objective(s)
CCSS.MATH.CONTENT.7.NS.A.1 Apply and extend previous understandings of addition and subtraction to add and subtract rational numbers; represent addition and subtraction on a horizontal or vertical number line diagram. CCSS.MATH.CONTENT.7.NS.A.2 Apply and extend previous understandings of multiplication and division and of fractions to multiply and divide rational numbers. CCSS.MATH.CONTENT.7.NS.A.3 Solve real-world and mathematical problems involving the four operations with rational numbers.1	Los estudiantes podrán hacer un nuevo imagen usando una goma y lápiz para poder hacer un imagen nuevo. Los estudiantes podrán hacer observaciones con su nuevo imagen y su imagen original. Los estudiantes podrán identificar los ángulos y lados correspondientes.

	Action Plan
Monday 05/04/20-Math	<b>60 min Math:</b> -Practice with these 2 interactive tutorials before practicing the skill.  <a href="https://www.khanacademy.org/math/basic-geo/basic-geo-transformations-congruence/basic-geo-dilations/v/dilating-points-example">https://www.khanacademy.org/math/basic-geo/basic-geo-transformations-congruence/basic-geo-dilations/v/dilating-points-example</a>

	<p><a href="https://www.khanacademy.org/math/basic-geo/basic-geo-transformations-congruence/basic-geo-dilations/v/dilation-scale-factor">https://www.khanacademy.org/math/basic-geo/basic-geo-transformations-congruence/basic-geo-dilations/v/dilation-scale-factor</a></p> <p><b>PRACTICE:</b> Please complete the attached worksheet. If you can print out please print out and solve all problems, take a picture of your work and email it to me. If you can't print, please write it out on looseleaf paper, solve it, and email it to me. <a href="mailto:sbustamante9@cps.edu">sbustamante9@cps.edu</a></p> <p><b>Worksheet:</b> <a href="https://docs.google.com/presentation/d/1OJ6aQNXyuJZrIbROmmTtP8yrcOOwWJuhjNTiINqlaVE/edit?usp=sharing">https://docs.google.com/presentation/d/1OJ6aQNXyuJZrIbROmmTtP8yrcOOwWJuhjNTiINqlaVE/edit?usp=sharing</a></p>
<p>Tuesday 05/05/20-Science</p>	<p><b>60 min Science:</b> -Watch the video</p> <p><b>PRACTICE:</b> Log into <a href="#">Amplify</a> Go to the unit: Phase Change, then Chapter 3, Lesson 3.3 Please start with the warm up Then watch the video for activity 2, it is uploaded in Google Classroom Then continue with Activities 2 and 3. Press "Hand In" as you're completing the activities.</p> <p><a href="https://apps.learning.amplify.com/curriculum/#/unit/8a31e0f9506c8fa20151aba36c5c0d11:2019-2020/cardstack/8a31e0f9506c8fa2015289d9eef07e9d/8a31e0f9506c8fa201527f9e02d9626f/8a31e0f9506c8fa2015289bfd6887d26?cardKey=8a31e0f9506c8fa2015289ddb0f07eb4">https://apps.learning.amplify.com/curriculum/#/unit/8a31e0f9506c8fa20151aba36c5c0d11:2019-2020/cardstack/8a31e0f9506c8fa2015289d9eef07e9d/8a31e0f9506c8fa201527f9e02d9626f/8a31e0f9506c8fa2015289bfd6887d26?cardKey=8a31e0f9506c8fa2015289ddb0f07eb4</a></p>
<p>Wednesday 05/06/20-Math</p>	<p><b>60 min Math:</b> Watch the videos:</p> <p><a href="https://www.khanacademy.org/math/basic-geo/basic-geo-transformations-congruence/basic-geo-dilations/v/thinking-about-dilations">https://www.khanacademy.org/math/basic-geo/basic-geo-transformations-congruence/basic-geo-dilations/v/thinking-about-dilations</a></p> <p><a href="https://www.khanacademy.org/math/basic-geo/basic-geo-transformations-congruence/basic-geo-dilations/v/scaling-down-a-triangle-by-half">https://www.khanacademy.org/math/basic-geo/basic-geo-transformations-congruence/basic-geo-dilations/v/scaling-down-a-triangle-by-half</a></p> <p><b>PRACTICE:</b> Please complete the attached worksheet. If you can print out please print out and solve all problems, take a picture of your work and email it to me. If you can't print, please write it out on looseleaf paper, solve it, and email it to me. <a href="mailto:sbustamante9@cps.edu">sbustamante9@cps.edu</a></p> <p><b>Worksheet:</b> <a href="https://docs.google.com/presentation/d/1CHA9kvK8WE">https://docs.google.com/presentation/d/1CHA9kvK8WE</a></p>

	<a href="https://www.google.com/presentation/d/1qLLVS3McxpERCXVyszVRaBlxd0xNL24eWD_aVgVv8ml/edit?usp=sharing">9j50LlhpwanygAK62QK5lw5CfcOPsA4ZY/edit?usp=sharing</a>
<p>Thursday 05/07/20-Science</p>	<p><b>60 min Science:</b> Watch the video:</p> <p><b>PRACTICE:</b> Log into <a href="#">Amplify</a> Go to the unit: Phase Change, then Chapter 3, Lesson 3.5 Please start with the warm up. Then you are going to have different group activities. Everyone has a different colored group assigned to them. If you want to call a friend and walk through it together that is fine, just remember everyone is turning in their own work. <a href="mailto:sbustamante9@cps.edu">sbustamante9@cps.edu</a> <a href="https://apps.learning.amplify.com/curriculum/#/unit/8a31e0f9506c8fa20151aba36c5c0d11:2019-2020/cardstack/8a31e0f9506c8fa20152854b0de472a3/8a31e0f9506c8fa201527f9e02d9626f/8a31e0f9506c8fa2015280561d216473?cardKey=8a31e0f9506c8fa20152854e815c72cd">https://apps.learning.amplify.com/curriculum/#/unit/8a31e0f9506c8fa20151aba36c5c0d11:2019-2020/cardstack/8a31e0f9506c8fa20152854b0de472a3/8a31e0f9506c8fa201527f9e02d9626f/8a31e0f9506c8fa2015280561d216473?cardKey=8a31e0f9506c8fa20152854e815c72cd</a></p> <p><b>Link to article:</b> <a href="https://docs.google.com/presentation/d/1BDYZ65qSRaQgrlBdjijkpQHEbD0wNJSBsxx6YNT4TfQ/edit?usp=sharing">https://docs.google.com/presentation/d/1BDYZ65qSRaQgrlBdjijkpQHEbD0wNJSBsxx6YNT4TfQ/edit?usp=sharing</a></p>
<p>Friday 5/08/20-Math <b>Live Session at 10 am</b></p>	<p><b>60 min Math:</b> -Watch the videos: <a href="https://www.khanacademy.org/math/basic-geo/basic-geo-transformations-congruence/basic-geo-dilations/v/example-identifying-the-center-of-dilation">https://www.khanacademy.org/math/basic-geo/basic-geo-transformations-congruence/basic-geo-dilations/v/example-identifying-the-center-of-dilation</a> <a href="https://www.khanacademy.org/math/basic-geo/basic-geo-transformations-congruence/basic-geo-dilations/v/dilations-and-properties">https://www.khanacademy.org/math/basic-geo/basic-geo-transformations-congruence/basic-geo-dilations/v/dilations-and-properties</a></p> <p><b>PRACTICE:</b> Please complete the attached worksheet. If you can print out please print out and solve all problems, take a picture of your work and email it to me. If you can't print, please write it out on looseleaf paper, solve it, and email it to me. <a href="mailto:sbustamante9@cps.edu">sbustamante9@cps.edu</a></p> <p><b>Dilation Worksheet:</b> <a href="https://docs.google.com/presentation/d/1qLLVS3McxpERCXVyszVRaBlxd0xNL24eWD_aVgVv8ml/edit?usp=sharing">https://docs.google.com/presentation/d/1qLLVS3McxpERCXVyszVRaBlxd0xNL24eWD_aVgVv8ml/edit?usp=sharing</a></p>

# 8th GRADE

## Science

Standard	Objective(s)
<p>MS-PS2-3: Ask questions about data to determine the factors that affect the strength of electric and magnetic forces.</p> <p>MS-PS2-4: Construct and present arguments using evidence to support the claim that gravitational interactions are attractive and depend on the masses of interacting objects.</p> <p>MS-PS2-5: Conduct an investigation and evaluate the experimental design to provide evidence that fields exist between objects exerting forces on each other even though the objects are not in contact.</p> <p>MS-PS3-2: Develop a model to describe that when the arrangement of objects interacting at a distance changes, different amounts of potential energy are stored in the system.</p>	<p>Los estudiantes podrán desarrollar ideas básicas disciplinarias en ciencias físicas mientras se apoya el desarrollo de prácticas científicas clave.</p> <p>Los estudiantes podrán desarrollar el uso de modelos, el análisis de datos y la construcción de explicaciones científicas.</p> <p>Los estudiantes podrán analizar los datos para poder hacer una conclusión de lo que le paso al nave espacial.</p>

## Math

Standard	Objective(s)
<p>CCSS.Math.Content.8.F.A.3 Interpret the equation <math>y = mx + b</math> as defining a linear function, whose graph is a straight line; give examples of functions that are not linear.</p> <p>CCSS.Math.Content.8.G.C.9 Know the formulas for the volumes of cones, cylinders, and spheres and use them to solve real-world and mathematical problems.</p> <p>CCSS.Math.Content.8.EE.C.7 Solve linear equations in one variable.</p> <p>CCSS.Math.Content.8.EE.C.7.b Solve linear equations with rational number coefficients, including equations whose solutions require expanding expressions using the distributive property and collecting like terms.</p>	<p>Los estudiantes podrán usar el teorema de pitágoras para calcular el lado que hace falta.</p> <p>Los estudiantes podrán encontrar el área de una figura aplicando el teorema de pitágoras.</p> <p>Los estudiantes podrán identificar los triángulos diferentes y cuando se puede usar el teorema de pitágoras.</p>

	Action Plan
Monday 05/04/20-Math	<p><b>60 min Math:</b></p> <p>-Watch the two videos before starting the practice. You have seen these videos before, but they are a reminder, in case you forgot.</p> <p><a href="https://www.khanacademy.org/math/basic-geo/basic-geometry-pythagorean-theorem/pythagorean-theorem-distance/v/example-finding-distance-with-pythagorean-theorem">https://www.khanacademy.org/math/basic-geo/basic-geometry-pythagorean-theorem/pythagorean-theorem-distance/v/example-finding-distance-with-pythagorean-theorem</a></p> <p><a href="https://www.khanacademy.org/math/basic-geo/basic-geometry-pythagorean-theorem/geo-pythagorean-theorem/v/the-pythagorean-theorem">https://www.khanacademy.org/math/basic-geo/basic-geometry-pythagorean-theorem/geo-pythagorean-theorem/v/the-pythagorean-theorem</a></p> <p><b>PRACTICE:</b> After watching the videos, practice this worksheet.</p>

	<p>If you're able to print it, please print and share your work with me via email: sbustamante9@cps.edu If you are not able to print this, please answer questions on looseleaf or in your math notebook and please share answers with me via email.</p> <p><b>Worksheet:</b>  <a href="https://docs.google.com/presentation/d/1qhnwvUubQ4Z7_JF5U3bFKYVRyD_PeDtcCXT7TLUIDSs/edit?usp=sharing">https://docs.google.com/presentation/d/1qhnwvUubQ4Z7_JF5U3bFKYVRyD_PeDtcCXT7TLUIDSs/edit?usp=sharing</a></p>
<p>Tuesday 05/05/20-Science</p>	<p><b>60 min Science:</b> -Watch the video</p> <p><b>PRACTICE:</b> -Log into <a href="#">Amplify</a> -Go to the unit Light Waves -Chapter 2 -Lesson 2.4 Please start with the warm up, once you've completed the warm press hand in. Then continue to activity 2. You're going to use the SIM, make sure as you finish the activities you push "Hand In" after every activity.</p> <p><a href="https://apps.learning.amplify.com/curriculum/#/unit/8a31e0f9506c8fa201525f9a0dcf64f3:2019-2020/cardstack/ff80808156991d150157d9e75f0f61e5/ff80808156991d150157c4428eba48bc/ff80808156991d150157d9d8a888616a?cardKey=ff80808156991d150157d9e87a5261f6">https://apps.learning.amplify.com/curriculum/#/unit/8a31e0f9506c8fa201525f9a0dcf64f3:2019-2020/cardstack/ff80808156991d150157d9e75f0f61e5/ff80808156991d150157c4428eba48bc/ff80808156991d150157d9d8a888616a?cardKey=ff80808156991d150157d9e87a5261f6</a></p>
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<p>Thursday 05/07/20-Science</p>	<p><b>60 min Science:</b>          -Watch the video</p> <p><b>-PRACTICE:</b>          -Log into <a href="#">Amplify</a>          -Go to the unit Light Waves          -Chapter 2          -Lesson 2.5          Please start with the warm up, once you've completed the warm press hand in. Then continue to activity 2. You're going to answer the question after reviewing the image. As you're finishing up each activity, please push "Hand In"</p> <p><a href="https://apps.learning.amplify.com/curriculum/#/unit/8a31e0f9506c8fa201525f9a0dcf64f3:2019-2020/cardstack/ff80808156991d150157dde6dc4c63fe/ff80808156991d150157c4428eba48bc/ff80808156991d150157dd9cf757639a?cardKey=ff80808156991d150157dde716956409">https://apps.learning.amplify.com/curriculum/#/unit/8a31e0f9506c8fa201525f9a0dcf64f3:2019-2020/cardstack/ff80808156991d150157dde6dc4c63fe/ff80808156991d150157c4428eba48bc/ff80808156991d150157dd9cf757639a?cardKey=ff80808156991d150157dde716956409</a></p>
<p>Friday 5/08/20-Math  <b>Live Session 12pm</b></p>	<p><b>60 min Math:</b>          -Watch the two videos before starting the practice. You have seen these videos before, but they are a reminder, in case you forgot.</p> <p><a href="https://www.khanacademy.org/math/basic-geo/basic-geometry-pythagorean-theorem/pythagorean-theorem-app/v/pythagorean-theorem-3">https://www.khanacademy.org/math/basic-geo/basic-geometry-pythagorean-theorem/pythagorean-theorem-app/v/pythagorean-theorem-3</a></p> <p><a href="https://www.khanacademy.org/math/basic-geo/basic-geometry-pythagorean-theorem/pythagorean-theorem-app/v/pythagorean-theorem-1">https://www.khanacademy.org/math/basic-geo/basic-geometry-pythagorean-theorem/pythagorean-theorem-app/v/pythagorean-theorem-1</a></p> <p><b>PRACTICE:</b>          After watching the videos, practice this worksheet. If you're able to print it, please print and share your work with me via email: sbustamante9@cps.edu If you are not able to print this, please answer questions on looseleaf or in your math notebook and please share answers with me via email.</p> <p><b>Worksheet:</b>  <a href="https://docs.google.com/presentation/d/1-XuZqc_NQ4hrIhx1JF5ezDoF7ltbEGK-SrFAteD-ul8/edit?usp=sharing">https://docs.google.com/presentation/d/1-XuZqc_NQ4hrIhx1JF5ezDoF7ltbEGK-SrFAteD-ul8/edit?usp=sharing</a></p>