Christina School District Learning Choice Board
for grades 9-10 Math and Science - Optional - On grade level

2- On grade-level

**Grade 9:**
Please complete the following on probability:

**Math**

**Probability**
1. Two dice are rolled. Find the probability:
   - 1. Die and 1
   - 2. Die and 2
   - 3. Die and 3
   - 4. Die and 4
   - 5. Die and 5
   - 6. Die and 6
   - 7. Die and odd number
   - 8. Die and even number
   - 9. Die and prime number
   - 10. Die and composite number
   - 11. List all the numbers in the sample space.
   - 12. What is P(4)?
   - 13. What is P(3, 4)?
   - 14. What is P(4, 6)?
   - 15. What is P(3, 4)?
   - 16. What is P(3, 4)?

**Grade 10:**
Please complete the following on probability:

**Math**

**Probability**
1. Two dice are rolled. Find the probability:
   - 1. Die and 1
   - 2. Die and 2
   - 3. Die and 3
   - 4. Die and 4
   - 5. Die and 5
   - 6. Die and 6
   - 7. Die and odd number
   - 8. Die and even number
   - 9. Die and prime number
   - 10. Die and composite number
   - 11. List all the numbers in the sample space.
   - 12. What is P(4)?
   - 13. What is P(3, 4)?
   - 14. What is P(4, 6)?
   - 15. What is P(3, 4)?
   - 16. What is P(3, 4)?

**Grade 10:**
Please complete the following on probability:

**Math**

**Probability**
1. Two dice are rolled. Find the probability:
   - 1. Die and 1
   - 2. Die and 2
   - 3. Die and 3
   - 4. Die and 4
   - 5. Die and 5
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   - 15. What is P(3, 4)?
   - 16. What is P(3, 4)?
Science
Grade 9/10
Create a **drawing** of the four layers of the earth using an accurate description of each layer. Include a key showing a thickness and composition of each layer.

Science
Grade 9/10
Write a **rap or song** that helps the listeners remember the steps of the scientific method.

Science
Grade 9/10
Create an **original song or rap** about a food chain and how energy moves through the chain. Your song must include producers, herbivores, carnivores, omnivores, decomposers, and scavengers. Do not forget the sun!

Science
Grade 9/10
Create **acrostic poems** on any 5 elements of the Periodic Table.
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<td><strong>Stair Steps.</strong> Do you have stairs in your home or on your stoop? Take time to do step-ups. Step up, step down, and repeat. COUNT as many reps as you can, and you will find you can do more over time.</td>
<td><strong>Planks.</strong> Planking is a wonderful way to strengthen your core, arms, and shoulders. With your stomach facing the floor, plant your hands on the ground should-width apart, ground your toes into the floor, and lift your body into a straight line. Try holding/ COUNTING for 30 seconds and increase as you can.</td>
<td><strong>Burpees.</strong> Burpees are a great way to get a full-body exercise. Start with your feet shoulder-width apart, bend at your hips and knees to go into a squat position. Place your hands on the floor in front of you and kick your feet back into a plank position. Drop down to the floor in a push-up, and press back up into the plank position. Kick your feet inward and press your body up into a jump.</td>
<td><strong>Jumping Jacks.</strong> Jumping Jacks are a great full-body activity. Start with the amount that works best for you and work your way up.</td>
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- Links are case sensitive, please type exactly how they appear.