

5th Grade AMI Assignment

Directions: On the district declared AMI (Alternative Methods of Instruction) days, students will complete the assignments in sequential order. (Example: On the first snow day, the students will complete the Day 1 assignments.) Some assignments may require adult assistance.

In order to be counted “present” for the AMI day, students must return completed AMI assignments within 5 school days of school being back in session.

DAY 1	<ul style="list-style-type: none">● Math<ul style="list-style-type: none">○ 7,785,797○ How many times greater is the digit in the hundred thousands place than the digit in the hundreds place? 2. What would $\frac{1}{10}$ of this number be?● Reading/Social Studies<ul style="list-style-type: none">○ Read the following short passage, Family Roles. Write a 5 sentence summary of the roles of children in American Indian life.○ “Children also had an important role in the family. Yet childhood was short. Children would leave the protective care of their mothers by the time they were in their teens. They would then begin training for their roles as adults. Children also listened to storytellers to learn about their group’s customs and traditions. Teen boys would learn from their fathers and other men in their village. They had to prove that they were strong and brave. One test that they had to pass to show these traits was spending time alone in the wilderness. Girls would learn wilderness skills, too. Some games and activities for children helped teach them the skills they needed as they got older. For example, children would learn how to fish. This skill would later help them provide food for the family and village.”- Pearson, 2018. American Indian Culture.● Science<ul style="list-style-type: none">○ It’s time to review matter with some examples around your home.<ol style="list-style-type: none">1. Find 3 items in your kitchen that are made of matter. Tell what they are and model what the particles inside of them would look like.2. Mix some marshmallows in hot chocolate to make it taste better. Did a chemical change happen to the marshmallows? Explain your thinking.3. You’ve left your bike outside all year and just remembered that it is still out there in the snow/ice. You go out to bring it in and notice that there are some rust spots. The iron on your bicycle, the oxygen in the air, and the water in the ice/snow, worked together to form the rust on your bike. Is the rust a new substance forming from a chemical change? Use evidence from the prompt to support your answer.● Physical Activity/Art<ul style="list-style-type: none">○ With family or friends, design and build a snow structure of your choice.
DAY 2	<ul style="list-style-type: none">● Math<ul style="list-style-type: none">○ Read the recipe and answer the question(s) below. You are sitting at home on this snow day and realize that you want to bake some cookies for your classmates. You use the following recipe to make 24 cookies for your classmates:

- 1-1/3 cups all-purpose flour
- 1/2 teaspoon baking soda
- 1/4 teaspoon baking powder
- 1/2 cup butter, SOFTENED
- 3/4 cup white sugar
- 1/2 egg
- 1/2 teaspoon vanilla extract
 - 1. You taste one of the cookies and decide that you could make it better by increasing one or more of the ingredients or adding an ingredient. What would you change? Why did you make this change?

- **Reading/Science**

Use the article "To the Moon and Back" below to answer the questions for the next few days.

- **Read: Astronauts Aim for the Moon—And Beyond**

NASA announced plans that are out of this world! The space agency hopes to send humans to the moon again by 2020. NASA hopes to make a giant leap—back to the moon. Back in 2005, the U.S. space agency announced its plan to send four astronauts to the moon within the next 15 years. NASA officials say the moon is just the first step. They hope future missions will take astronauts to Mars and beyond. "We will return to the moon no later than 2020 and extend the human presence across the solar system and beyond," says Michael Griffin, the head of NASA. So far, the moon is the only place beyond Earth that humans have visited. At 226,000 miles away, the moon is Earth's closest space neighbor.

New Spaceship

The new NASA mission may have the same destination, but the astronauts will have a new way of getting there. Astronauts who trek to the moon will do their traveling in a crew exploration vehicle—a souped-up version of the three-person *Apollo capsule that transported explorers to the moon. "It's very Apollo-like," says Griffin, "but bigger."* While on the moon, astronauts hope to demonstrate that they can live off the land. They will use resources on the moon to produce drinkable water and fuel. The moon journey would be a trial run for a Mars mission. Astronauts would spend more time on Mars—at least 500 days—because it is 49 million miles from Earth. Because they will be on the planet so long, astronauts will need to be able to sustain themselves using local resources; they will not be able to bring enough supplies for the whole mission.

Split Decisions

Not everyone is over the moon about NASA's plans. The project is estimated to cost \$104 billion. Critics say the price tag is too high, especially because the United States is dealing with a federal budget deficit and the war on terror. A deficit occurs when a sum of money is short of its expected total. However, supporters insist that space exploration offers enormous long-term benefits to all of humankind and that the United States should not be deterred from this mission. "The space program is a long-term investment in our future," Griffin says.

- **Note: This article was published in 2007. The program described in the article, NASA's Constellation program, is no longer active. This news article has been preserved for historical context.*

- **Social Studies**

- The Mayflower Compact was an important document that helped establish laws for the new colonists. Just like colonies, families also have rules they follow. Create a family constitution that describes the rules of your household. Briefly explain how the rules may be changed or amended over time.

	<ul style="list-style-type: none"> ● Physical Activity <ul style="list-style-type: none"> ○ You can choose any of the following to complete any day. You may repeat. You should log your exercises on your own paper. Be sure to include activity and duration. * Do 10 jumping jacks, sit-ups, and push-ups. * Make a snow angel, moving your arms and legs for at least 2-3 minutes. * Take a 15-20 minute walk (safely). * Stretch for 5 minutes and then jog in place for 2-3 minutes. * Dance to your favorite playlist for 15 minutes. <ul style="list-style-type: none"> ● Art <ul style="list-style-type: none"> ○ Draw or paint the view from your window.
DAY 3	<ul style="list-style-type: none"> ● Math <ul style="list-style-type: none"> ○ Look back at the recipe from Day 2 and complete the questions/items listed below. ○ Write a testable hypothesis for your idea. (Hypothesis stem: By adding _____, the cookies will be even better.) ○ Design a new recipe with your change. Your ingredients list should include all the correct measurements and ingredients for your new cookie. ● Reading <ul style="list-style-type: none"> ○ Use the article from Day 2 and complete the items listed below. <ul style="list-style-type: none"> ▪ Underline key details (5 Ws) in each section of the article. Then use the key details to write a main idea statement for each section. (RI.5.2) ● Social Studies/Art <ul style="list-style-type: none"> ○ Archaeologists learn about cultures by what's left behind. They study fragments of pottery and structures/dwellings. Look around your house and make a list of potential artifacts that would help archaeologists of the future learn about you and your family. ○ Draw five of those items. ● Science <ul style="list-style-type: none"> ○ Compare the weather for today with the weather from this day last week. Make a list that includes temperature, wind, and precipitation. ● Physical Activity <ul style="list-style-type: none"> ○ You can choose any of the following to complete any day. You may repeat. You should log your exercises on your own paper. Be sure to include activity and duration. * Do 10 jumping jacks, sit-ups, and push-ups. * Make a snow angel, moving your arms and legs for at least 2-3 minutes. * Take a 15-20 minute walk (safely). * Stretch for 5 minutes and then jog in place for 2-3 minutes. * Dance to your favorite playlist for 15 minutes.
DAY 4	<ul style="list-style-type: none"> ● Math <ul style="list-style-type: none"> ○ Review the recipe from Day 2. ○ Since you have already eaten so many cookies, you do not want to make a full batch of the cookies using the new recipe.

	<p>What are the measurements of the new recipe if you decide to make $\frac{1}{2}$ a batch? What are the measurements of the new recipe if you decide to make $\frac{1}{3}$ of a batch?</p> <ul style="list-style-type: none"> ● Reading/Art <ul style="list-style-type: none"> ○ Think about and/or reread the article you read about NASA on Day 2. ○ Draw a picture of the spacecraft you would design for NASA and write a short paragraph describing the accessories and amenities included on the ship for survival and entertainment. ● Social Studies <ul style="list-style-type: none"> ○ Make a chart with information about your family and culture. <ul style="list-style-type: none"> ■ Include: food, clothing, communication, and routine. ● Science <ul style="list-style-type: none"> ○ Make 3 different sized snowballs from paper or snow. ○ Throw the snowballs and measure the distance. ○ Which snowball traveled the farthest? Explain why you think this is so. ● Physical Activity <ul style="list-style-type: none"> ○ You can choose any of the following to complete any day. You may repeat. You should log your exercises on your own paper. Be sure to include activity and duration. <p>* Do 10 jumping jacks, sit-ups, and push-ups. * Make a snow angel, moving your arms and legs for at least 2-3 minutes. * Take a 15-20 minute walk (safely). * Stretch for 5 minutes and then jog in place for 2-3 minutes. * Dance to your favorite playlist for 15 minutes.</p>
<p>DAY 5</p>	<ul style="list-style-type: none"> ● Math/Science/Art/Physical Activity <ul style="list-style-type: none"> ○ Using real snow or paper, design a snowman. Measure each circle of the body. On a sheet of paper, record the distance around each circle (body section of the snowman).. What is the difference between the 1st and 2nd snowball, between the 2nd and 3rd snowball, and between the 1st and 3rd snowball? ○ Remeasure and collect the same information in 2 hours. Did anything change? ● Reading <ul style="list-style-type: none"> ○ Curl up on your couch with your favorite book or watch your favorite television show. Write a paragraph to summarize the theme. ● Social Studies <ul style="list-style-type: none"> ○ Use the information from Day 3 and 4 to design or create a model of a museum exhibit about your family. Think about how we view and learn from cultures of the past.