Link Community Charter School

2021 WINTER BREAK ACADEMIC CHALLENGE

Dear Scholars,

This BONUS practice over winter break is designed to ***help you maintain your reading and math skills/strategies. Best of all, there are fun rewards you can earn! Learn more about the rewards and alignment to Link Core Values below!***

Submit your work in the decorated boxes at the entrance for your grade level.

Educationally Yours,

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Student Submission Form
Winter Break Academic Challenge
Cover Sheet

Directions:

Thank you for participating in the Winter Break Academic Challenge. Please complete this form and turn into your grade level box (near your school entrance) and attach the boards you have completed. Submissions must be received by Wednesday, January 5th.

Student's Name (please write clearly)_____

Grade Level (circle one) 5 6 7 8

Team Name_____

Feedback (If you would like to provide feedback about the challenge, or a note to the coaches, please use the space below on this page).

Good Luck!
Thank you for participating!

GRADES 5-8 READING CHALLENGE - FOR ALL!

- This Bingo Board is designed for all readers in grades 5-8.

Goal: Choose 5 boxes to complete in a row during the break. Keep track of your progress with post-it notes!

B	I	N	G	O
That's SO 1990 Read a book published in the 90s. ***Date(s):***	**Tis' the Season** Read a book or short story that takes place in the winter or a cold climate. ***Date(s):***	**Annotate** Stop and jot an annotation based on a text of your choice. ***Date(s):***	**Inspiration on Vacation** Read about an inspiring person and share why they inspire you. ***Date(s):***	**Read in Color** Visit Little Free Library's Read in Color website. Find a title that interests you and reflect on why. ***Date(s):***
Author Adoration Read something written by one of your favorite authors. ***Date(s):***	**What's the Word on the Street?** Read a local newspaper, magazine, or online article about a topic important to you. ***Date(s):***	**Word Nerd** Impress a family member with your robust vocabulary. ***Date(s):***	**Color Splash** Read about the latest exhibits at The Newark Museum of Art. ***Date(s):***	**Sci-Fi Squadron** Read a sci-fi, fantasy, or futuristic text. ***Date(s):***
Spelling Bee Time! Find 5-10 tricky words in a text of your choice. Host a short spelling bee at home. ***Date(s):***	**Let Me Take a Shelfie** Attach a picture or sketch of you reading a book in your favorite place! ***Date(s):***	**FREE CHOICE** Read any book, text, or passage of your choice. ***Date(s):***	**CELEBRATE!** Share a book that celebrates your favorite holiday, birthday, or special event! ***Date(s):***	**Gamer's Delight** Read about the latest updates and codes to get better at your favorite game. ***Date(s):***
A New Year, A New You! Jot down a few reading goals and make a resolution for the new year. ***Date(s):***	**Such a Piece of Cake!** Read a cookbook or recipe. ***Date(s):***	**Words of the Wiser** Ask a family member about their favorite book. ***Date(s):***	**Run the World (Girls)** Read something published by a female author. ***Date(s):***	**Fact Finder!** "Reading for 6 minutes a day reduces stress by 68%" What fact did you learn? ***Date(s):***
Taste of Your Own Medicine Read a book where the character learns a lesson about respect. ***Date(s):***	**It's All Make-Believe** Read with your pet or a stuffed animal. ***Date(s):***	**Cozy Up With A Good Book** Gather pillows and a good book and build a fort. ***Date(s):***	**A Picture's Worth 1,000 Words** Reread your favorite picture book to yourself or a younger child. ***Date(s):***	**Literary Luminary** Brighten up someone's day with a book! ***Date(s):***

MATH FLUENCY PRACTICE - FOR ALL!

- Keep your skills sharp with fluency practice all offline and online!

TWO WAYS to earn tickets:

Goal: Choose 5 boxes to complete during the break. Do each activity for 15-20 minutes.

IXL Leaderboard: SIGN IN to IXL - students who complete more than 1 hour of IXL solving RECOMMENDED problems will get a raffle ticket.

1st ROW - no tech required
2nd and 3rd ROWS, all underlined words are links. You can access it online in Google Classroom.

B	I	N	G	O
Flash cards to practice all operations ***Date(s):***	**Make up rhymes**, for the times tables Ex: 6 x 7 = 42 6 and 7 went out to dinner "4 2" ***Date(s):***	**Draw** out the Multiplication Tables and color the ones you know very well ***Date(s):***	**Chant the tables or make up songs** to remember them. ***Date(s):***	**Practice with a friend, sibling or a younger student** - helping others helps ourselves. ***Date(s):***
BEAT THE CLOCK This game is fun with multiple levels and operations. Try to BEAT the Clock! ***Date(s):***	Fraction - Decimals - Percentages Practice converting: Fractions, decimals and percentages. ***Date(s):***	PercenTable Find percentages of numbers without using a calculator! ***Date(s):***	How to Memorize the Times Tables! Watch this 4 minute (!) video for tips and tricks on memorizing the tables! ***Date(s):***	Mental Math Strategies This is a great video for those of you who LOVE mental math and those of you who want to improve. ***Date(s):***
IXL or Your idea for fact practice! ***Date(s):***	**IXL** or Your idea for fact practice! ***Date(s):***	**FREE SPACE** Your idea for fact practice! ***Date(s):***	**IXL** or Your idea for fact practice! ***Date(s):***	**IXL** or Your idea for fact practice! ***Date(s):***
Hard Times Practice the hardest times tables with a choice of different games. ***Date(s):***	Zygo Logic puzzles that help you practice your computation skills. Lots of levels to challenge yourself! ***Date(s):***	Estimation Golf Estimation using decimals with a fun game. Great practice for estimation. ***Date(s):***	Know your Place Practice all computation skills with multiples of 10 and decimals - use mental math! ***Date(s):***	Dump a Dice Race This game is for 2-4 players! Practice your square and prime numbers. ***Date(s):***
IXL or Your idea for fact practice! ***Date(s):***	**IXL** or Your idea for fact practice! ***Date(s):***	**IXL** or Your idea for fact practice! ***Date(s):***	**IXL** or Your idea for fact practice! ***Date(s):***	**IXL** or Your idea for fact practice! ***Date(s):***

Bronze Challenge BINGO Board - Cross off problems and attach answers to the packet on a separate sheet

Survey family members and neighbors about their favorite type of pizza (or other food). Make a bar graph or line plot of the results.	If 26 kids are attending a birthday party, and cupcakes come in packages of 6, how many packages are needed so that all kids can have one?	Write three 4-digit numbers and round each of them to the nearest hundred.	Which container would you most likely use to hold the water in a bathtub? A. Liter B. Gallon C. Quart	Watch TV for half an hour. Time how many minutes are spent on commercials. What fraction of the half hour was spent watching commercials?
Use this code: a = 1, b = 2, c = 3...z = 26. How much is your name worth?	Using the code a = 1, b = 2, c = 3...z = 26, make as many words as you can worth 100.	Write a word problem that has an answer of 154. Have someone solve the problem.	If the length of a rectangle is 8 inches and the width is 15 inches. Draw and label a picture of the rectangle. What is the perimeter? What is the area?	Bianca climbed 7 feet up a tree. Her friend Sara climbed 87 inches up the same tree. Who climbed higher?
If you have $6 and your friend has $42, your friend has how many times more money?	Jason went to the store and bought 3 notebooks for $3.99 each, 2 packs of pens for $1.99 each, and a pack of markers for $4.50. How much did he spend in all?	***FREE SPACE***	Using different operations, find as many ways as you can to represent 32. Example: 10 x 3 + 2 = 32	How many days old will you be on your next birthday? Remember there are 365 days in a year.
Guess the mystery shape. It is three-dimensional, has 5 faces, 9 edges, and 6 vertices. What figure could it be?	Have a scavenger hunt. Find as many real-world examples of parallel lines as you can. Example: Railroad tracks	You have two US coins whose total value is $0.30. One of them is NOT a nickel. What are the two coins?	**Write your own problem and solve it!**	The library is open a total of 56 hours per week. How many hours is it open each day of the week?
If the length of a rectangle is 24 inches and the width is 16 inches. Draw and label a picture of the rectangle. What is the perimeter? What is the area?	Six classrooms are going on a field trip to the museum. Each classroom has 26 students. How many total students are going on the field trip?	Mary practiced math facts from 3:05pm until 6:15pm. How long did Mary practice math facts?	Mary practiced math facts from 3:05pm until 6:15pm. How long did Mary practice math facts?	Find 4 examples of fractions in the real-world (use newspapers, magazines, etc.). Put them in order from least to greatest.

Silver Challenge BINGO Board - Cross off problems and attach answers to the packet on a separate sheet

Find objects in your house that have right angles. Draw a sketch of some of your examples, labeling the objects and circling the right	Sam and Sarah were knitting scarves for a winter clothing drive. Sam completed six and three-fifths scarves while Sally completed eight and one-fourth scarves. How many scarves did they complete in all?.	Play this game with a family member. Flip 2 coins. Player 1 wins if 1 coin is heads and 1 is tails. Player 2 wins if both coins are heads. Flip again if they are both tails. Play 10 times. Is the game fair? Explain.	If 9 people want to share a 50-pound sack of rice equally, how many pounds of rice should each person get? Between what two whole numbers does your answer lie?	An apple pie was cut into one-eighth pieces. If a family ate one fourth of the total pie, how many slices were left? (Hint: Draw a picture)
Poll family and friends about their favorite ice cream flavor. Make a line plot or bar graph of the results.	Round each number to the nearest tenth. a) 985.76 b) 43.52 c) 0.859	Use each of the digits 0-9 exactly once. Make 2 decimal numbers whose sum is close to 5 and whose difference is close to 1.	Compare the decimals using >, <, or =. a) 0.245 __ 0.0245 b) 24.500 ___ 24.5	If you tripled the number of sides of a pentagon, how many sides would the new figure have?
Find four examples of decimals around you (ex. in newspapers or magazines,etc.). Order them from least to greatest.	Multiply. What do you notice? a) 23.5 x 6 b) 2.35 x 0.6 c) 2.35 x 0.06	***FREE SPACE***	Find the area and perimeter of a rectangle Length = 34 cm. Width = 63 cm. What do you notice?	Divide. a) 2,936 ÷ 4 b) 14,783 ÷ 5
If you bought 3 video games each costing $12.99, and you paid with a $50 bill, what would your change be?	Take a walk and look for objects that are quadrilaterals. Tally how many rectangles, squares, rhombuses, etc. you see.	There are 85 people in a warehouse. Some have been turned to zombies; some are still alive. If the ratio of zombies to living is 2:3, how many zombies are there?	Find the volume of a refrigerator that is six feet tall, three feet wide and four feet deep.	A cookie recipe calls for 2 cups of flour. If you 3 1 want to double the recipe, how much flour will you need?
Simplify. a) $5\frac{5}{6} - 3\frac{1}{4}$ b) $6\frac{2}{3} + 2\frac{1}{5}$	Add parentheses to make each equation true. a) 9 x 34 + 8 = 314 b) 9 x 34 + 8 = 378	Find the product. a) 2.85 x 9 b) 1.55 x 13	Divide. a) 2 ÷ ¼ b) ¼ ÷ 2	**Write your own problem and solve it.**

Gold Challenge BINGO Board - Cross off problems and attach answers to the packet on a separate sheet

Use the distributive property to rewrite each expression: a) 5(x + 7) - 2x b) (4x - 9)6 + x c) 12(3 + 5x) - 17	Write an algebraic expression for each: a) Five less than the product of a number and four b) The quotient of 24 and a number added to 8 c) Twelve less than the sum of a number and 9	For a school bake sale, cookies are 25 cents each. Make a table and graph to show cookie sales from 1 cookie to 50 cookies. What is the cost for 2 dozen cookies?	Joe averages 15 miles per hour on his bike. Write an equation showing how far he travels (d) in any number of hours (h). How far will he go in 5 hours?	The total points in a basketball game were: 93, 86, 90, 90 and 88. Determine the mean (rounded to the nearest tenth), median, mode, and range of the points scored.
The total cost of a pair of shoes and a hoodie is $150. The hoodie costs $100 more than the pair of shoes does. How much does each item cost?	Find a cookie recipe. List the quantity for each ingredient if you made half of a batch of cookies.	Survey at least 10 people on the number of hours spent online each day. Make a line plot of the data. What is the mean? Are there outliers?	Create a tally chart to show the number of times you wash your hands each day for a week. What is the median? Range?	Divide using the standard algorithm and multiply to check your work. a) 115.5 ÷ 5 = b) 60.24 ÷ 3 =
Bill's quiz scores are 87, 92, 100, 60, 94. What is the mean? Median? Is the mean or median a better choice for his overall performance? Why?	Identify whether each statement is true of false: a) (3b)(2c)(3r) = 18bcr b) 20bc = (5b)(4) c) (3b)(2c) = (2b)(3c)	***FREE SPACE***	Write each word phrase as an algebraic inequality. a) x is greater than -33 b) 29 is less than or equal to x c) -32 is less than x d) x is greater than or equal to 5	Divide using the standard algorithm and use multiplication to check your work. a) 15.25 ÷5 = b) 917.1 ÷9 =
Divide 30 by ½ and add 10. What is the answer?	Write an algebraic expression for each phrase: a) The absolute value of the difference of a number and 2 b) Three less than the quotient of 25 and a number c) Four times a number plus five	A teacher gives away 9 pencils a day. Make a table and graph to show how many total pencils are given away in 5, 10, and 20 days. How many pencils does the teacher need for 13 days?	Find a cookie recipe. List the quantity for each ingredient if you made double a batch of cookies.	If Maria's average on five tests is 92, what is one possible set of grades she earned on the 5 tests?
Using only addition, how do you add eight 8's and get the sum of 1,000?	Maria babysits for $8 per hour. Make a table and graph to show how much she earns from 1 to 10 hours. How much will she earn for 4.5 hours?	When Lisa was 6 years old, her sister Lucy was half her age. If Lisa is 40 years old today, how old is Lucy?	Create a tally chart to show the number of texts you send each day for a week. What is the mean? Median? Does the mean or median better represent a typical day? Why?	Combine like terms to simplify: a) m + 5m - 8p - 2p = 2 b) 32 -17y + 10x -12y -14 = 3 c) x -16 - 42 - x = 5

Platinum BINGO Board - - Cross off problems and attach answers to the packet on a separate sheet

You are painting your bedroom. A typical gallon of paint covers 200 square feet. Sketch a scale drawing of your room. Create a shopping list of supplies and the number of gallons of paint needed to paint your room. What would painting your bedroom cost?	Restaurant Stacy sells 6,000 meals in one month, at an average price $17 per meal and an average cost of $4.60 per meal. Is this restaurant making a profit or losing money? Make a claim and justify your reasoning?	Determine the elevation of the highest mountain in the US and the lowest point. a) What is the difference in elevations? b) Is the elevation halfway between the highest point and lowest point above or below sea level? Explain without calculating the exact value.	A store pays two fees when a customer uses a credit card to make a purchase. These fees include a flat fee of $0.15 and a processing fee equal to 2% of the dollar amount of the purchase. What is the amount the store pays in fees for a $60 purchase by a customer using a credit card?	The school bus driver follows the same route in the mornings and afternoons. Because of traffic, the afternoon drive takes 1.5 times as long as the morning drive. Write an equation to represent the relationship between the number of minutes x , of the morning drive, to the total number of minutes, y , that the bus driver spends each day driving.
Travis was attempting to make muffins. The recipe that he was working with required ¾ cup of sugar and ⅛ cup of butter. If Travis uses a whole cup of butter, how much sugar does he need?	A swimmer dove below the surface of the ocean. After 2 minutes, she was 12 meters below the surface. At what rate was she diving? Write and solve an equation. Describe what your variable represents.	Jordan's dog weighs p pounds. Emmett's dog weighs 25% more than Jordan's dog. Write at least 2 expressions to represent the weight, in pounds, of Emmett's dog.	Three homerooms at Stacy's school won a $600 prize to share among them from a hat fundraiser. Mr. Macchi's class collected 3,760 hats, Ms. Provoncal's class collected 2,301 hats, and Ms. Ridolfi's class collected 1,855 hats. How should they divide the money?	Write a business plan that describes how you plan to sell your specialty chocolate chip cookie. In your plan, describe the recipe for your amazing chocolate chip cookie, the ratio of chocolate chips to batter, how much it costs to make your cookie, and how you plan to markup your cookies for sales.
Ava puts 12 spoons of sugar in 4 coffees, and 15 spoons of sugar in 5 coffees. How many spoons of sugar does Ava put in one coffee?	I am an odd number. Take away one letter and I become even. What number am I?	***FREE SPACE***	Skip-bo is a card game with 162 cards, twelve each of the numbers 1 through 12 and eighteen "SKIP-BO" wild cards. What is the probability that the top card is divisible by 2? Explain your reasoning.	**TRICKY!** The day before yesterday I was 25. The next year I will be 28. This is true only one day in a year. What day is my Birthday?.
Watch and/or read local and national news about COVID-19. Write an analysis to compare and contrast how at least two different sources present key information by emphasizing different evidence or interpreting facts differently and then argue which outlet you find more credible because of the way they present information.	**Write your own problem and solve it.**	Factor to write an equivalent expression. a) 36a - 16 b) 26a - 10 c) 20x - 10y + 15z	The price of a gallon of apple cider is $7. The price of eight 4.23 ounce juice boxes is $2.39. Peter wants to have at least a gallon of either only cider or only juice. Which product is the better deal?	Tiles with the numbers 1 through 9 are placed in a bag. What is the probability of choosing an even number that is greater than or equal to 4?
Find a recipe. What ratios can you make with the ingredients? Find equivalent ratios by doubling and halving the recipe.	As you open your new business, you are analyzing the best discounts to provide to your customers. You are considering "buy one, get one free", "buy three, get the fourth item free", or "25% off each item". Develop your promotional plan. Which discount will you provide? How does this promotion affect your profit?	A local restaurant is offering a special on pizza. You must choose one of three different crust styles, one of three different cheeses (or no cheese at all), and form 0 to 12 possible toppings. How many different pizzas could you construct? Represent the choices visually.	Find at least three objects in your house in the shape of a circle. With a string, measure the circumference and diameter. For each object, divide the circumference by the diameter. Record your findings. What do you notice? What do you wonder?	Bob went to an amusement park and bought 12 tickets. Each ride requires 2 tickets. Write two equivalent expressions that represent the number of tickets Bob has left in terms of the number of rides he has gone on.