Junior Summer Homework 2023
Dear Parents of the Junior Class,
We look forward to working with your children in the fall and hope you are having a restful and enjoyable summer! Here you will find your Junior's summer homework plan. As we move forward, we want to help students maintain skills learned, as well as provide opportunities for connection to our upcoming theme, "Communities." You will find four required assignments below, followed by a section of ideas for math practice.

## SUMMER HOMEWORK

1. Summer Project: Journey to Oregon Story

When we meet again in September, one of our first projects as a whole class will be to begin thinking about why people move to new places and communities. To support this, please spend some time this summer talking with your Junior about how your family came to Oregon, and then together write a short paragraph describing this journey. We will then share these stories during the first days of school in the fall, and we look forward to hearing them.

## 2. Postcard or Letter to your Teachers

Send a postcard or letter to Robin and Kaileah (Junior Down) or Laurel and Victoria (Junior Up) to tell them about one
 summer adventure. We love receiving these!
Please mail to Arbor: 4201 SW Borland Rd., Tualatin, OR, 97062

## 3. Reading!

Whether you are being read to, listening to an audiobook, and/or reading to yourself, keep up the
 habit this summer! There are lots of great titles in the Primary and Junior Sustaining Book Lists, and check out your local library for summer reading programs. You might wish to also try this summer Bingo Challenge!

## 4. Math Practice

We would highly recommend choosing one of the methods (see below) to review/solidify addition and subtraction facts to 20 . Old Hand students might wish to practice multiplication facts as well.

As always, do not hesitate to email us with your questions. We can be reached at:
Robin (Junior Down): robin@arborschool.org
Laurel (Junior Up): laurel@arborschool.org
HAVE A WONDERFUL SUMMER!
The Junior Team (Laurel, Robin, Victoria, and Kaileah)

## Math Practice Options

## Recommended Links:

Math for Love--explore mathematical ideas and solidify concepts through games and activities.
Youcubed--Fluency Without Fear--an evidence-based discussion of the best ways to learn math facts. Clicking on the "Tasks" heading will take you to a selection of games and exercises that you can play at home.

## Recommended Games: Addition/Subtraction

Hi-Lo: You need two dice (same kind-- to get all facts use 10 -sided dice or for a challenge use the 20 -sided dice). Play Hi-Lo by making up a game sheet of 20 turns. Decide if you are playing for a High score or a Low score. Take turns throwing the dice, adding your two numbers together and recording your individual scores. For each round, circle the high or low score, depending whether you're going for high or low scores. The person with the most high or low scores wins the game. This can be played multiple times.
Subtraction: You can play Hi-Lo with subtraction, but remember to take the smaller number away from the larger number.

Free The Animals: This printable game (complete with board(s) and directions) is a good one for practicing subtraction. Twelve-sided dice are needed for the second sheet.
http://www.mathwire.com/games/freeanimalsgame.pdf
Or play Diffy Squares http://mathforlove.com/2011/04/squares of differences/ -- a simple game that has the depth to make subtraction pracitce engaging.

## Multiplication/Division

We learn multiplication/division facts in groups, so we start with the x 2 , then x 10 and x 5 . We then move to $\mathrm{x} 9, \mathrm{x} 4$ (think double x 2 ), then $\mathrm{x} 3, \mathrm{x} 6, \mathrm{x} 8, \mathrm{x} 7, \mathrm{x} 11, \mathrm{x} 12$. All division facts are taught as the reciprocal to the multiplication fact-- 2 x $8=16$ and $16 \div 8=2$ and $16 \div 2=8$.

Card Flip: Beginning with the x2 facts you can use a deck of cards with the face cards removed and flip over cards one at a time and multiply that card by the fact family you are working on. When you get most of the facts up to 10 you can play Flip Up.

Flip Up: Times Tables Card Game
This game is played by two people with a deck of cards with the jokers and face cards removed. Students shuffle the deck and deal them all out face down. Each player flips over a card from his or her pile. The first player to call out the correct product gets to collect those two cards. If a player calls out the wrong answer the other player gets the cards. Players continue until all the cards have been flipped over. The winner is the player with the most cards at the end.

Divide and Conquer: For this game the players will need paper and pencils and multiple dice. The first person rolls up to six dice (you choose the \# of sides). Players add up the total of the rolled dice. That number is the dividend. The same person throws one 12 -sided die (or two 6 -sided dice added together). This number is the divisor. The first player to call out the correct answer wins and gets to roll the dice for the next problem.

Tic Tac Toe Products

