SUMMER CHOICE BOARD

Let's Play A Game!

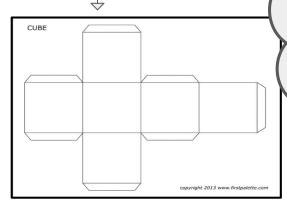
Make your own: What makes a good game? Make a list that contains all essential elements for your game. What materials can you use from around your home?

- Create instructions (oral or written) on how to play and reasons why it's a great game.
- Draw a game board include things like miss your turn, draw a card, and roll again.
- Do you need dice, a spinner, or draw cards?
- Use rocks or other found items as counters/game pieces.

MAKING CUBES TO USE AS DICE

Use the net for a cube below to make your own dice for the games provided!

Draw a **net** like this one on paper, cut it out and fold it to make your own dice!

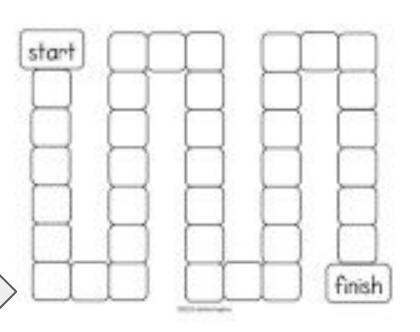


A **net** is a pattern that you can cut and fold to make a model of a 3D solid (such as a cube)

Try creating as many nets for a cube as you can. Draw, cut, fold and check to see if your cube has all 6 square faces in the right places!

Hint: There are more than 10 possible nets to make a cube.

You will need:
Paper
Pencil
Scissors
Tape/Glue



Beat that Game!

- Roll 2 dice and create the biggest number you can with your roll.. For example, if you roll a 3 and a 1, the biggest number you can make is 31.
- Pass the dice to the next player with the invitation to "Beat that!"
- Once everyone has rolled, the person with the highest number gets a point. First person to 10 points wins.

What other ways can you use a cube for play? (ie. perhaps as a story starter?)

To make this game harder:

 Use more dice so that you have to create bigger numbers.

Roll and Graph: Roll 2 dice and multiply to find the product. Record the products. Do this 25 times. Create a bar graph with the results. What do you notice?

Empathy is:

SEEING with the eyes of another

HEARING with the ears of another

<u>FEELING</u> with the \bigcirc of another

Make a list of things happening in the world that inspire EMPATHY. How can you use your VOICE to show empathy? How do you show empathy with your EARS?

Use items from your home to create an empathy collage. Use magazines, drawings, items from nature, etc. to create a collage that shares your thoughts and feelings about EMPATHY

Time Capsule

You're living through history right now!

Create a time capsule that you can keep hidden in your closet or in a box, that your future self can look back on and remember.

Add:

Photographs or drawings Family and pets
A journal Artwork

Newspaper clippings Special memories

Fermi Questions:

A Fermi question challenges you to find a rough estimate of a quantity (how much) that is difficult to measure precisely. We'll never really know the *actual* answer, but isn't it fun to try?

Try these:

How long would it take to count to a million? How many blades of grass are there on a school field? A soccer field? In your backyard? How many books are read by students in your class in one year? How far does a bee fly each day?

- ⋆ Make a wild guess!
- ★ List the information you will need to answer the question.
- * Estimate some of the values in your question.
- Try to collect data (make measurements, do a survey, perform experiments) to help you make a precise estimate.
- * Make a conclusion- this may lead you to asking new questions to solve!

Next Step: Create your own Fermi question and ask a caregiver or friend to problem-solve through the question with you!

Make a Bridge Challenge: Build any of the following using materials found at home (forks, spoons, sticks, tooth picks, Q-tips, straws, etc).

- 1. Longest, strongest bridge test the bridge with a load (i.e. toy car, book, can of food, etc).
- 2. A bed for a favourite toy the toy needs a good night's sleep, so the bed needs to be comfortable.
- 3. A tower what is the tallest tower you can build that will remain standing. Can you add something to make a small table?

<u>Consider</u> - What is your plan? What problems might arise? How will you test your design? Is there anything that can be improved? What did you do when you found something challenging?

SCAVENGER HUNT N rock □ leaf D pine cone **⋈** wildflower animal tracks N bark How □ 3 leaf clover Stick ☑ green grass many can N feather Seed See ☑ grass you find? **Colours** Touch Shapes □ circle N soft □ green Smooth ■ □ square □ round **⊠** rough ☑ red