

WHERE DOES MATH LIVE IN OUR COMMUNITY?

**When you are out and about this winter,
where might you find math?**

Notice, wonder and share ideas together!

Patterning:

Where do you see patterns?

What patterns can you find in snow drifts or how snow lands on trees or structures?

What materials can you use to make patterns in the snow?

Count:

Choose an area outside - what can you count?

How many trees are there? How many animal tracks are there? How many cones are there that have fallen from trees? How many human or vehicle tracks are there?

Estimate and then count how many steps from one location to another.

Measure:

About how much snow is there?

What different ways can we measure snow? measure temperature?

How does temperature affect snow?

How does the temperature or amount of snow affect how we dress and travel in the winter?

What tools are used to measure weather, temperature and snow?

Place some water in a container and put it outside - how long do you think it will take to freeze?

Think about size/scale, shapes, and symmetry:

When you find tracks in the snow, how do you use shape and size to think about what animals made the tracks?

What different symmetrical designs can you make in the snow?

What is the size and shape of snowflakes?

ideas to support mathematical thinking
with children during the winter

RICHMOND
SCHOOL DISTRICT NO. 38