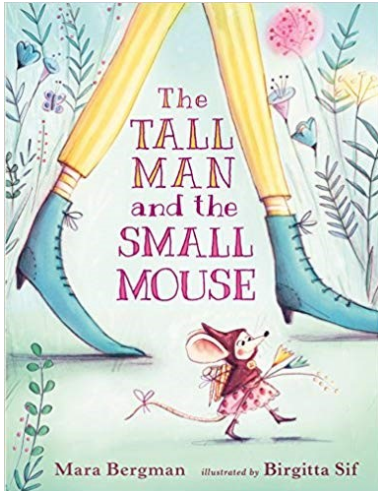


Writing Trait:

Learning Intention:
Debbie.nelson@sd71.bc.ca
Spatial Reasoning



Before Reading

Provide students with opportunities to notice, manipulate and play with various blocks and materials, *noticing and describing* the attributes of the materials such as colour, size, shapes and number so vertices, or straight or curved edges or dies, as well as describing the process of working spatially with the materials such as focusing on balance, movement, location position and orientation.

Look at materials, story settings and maps from different perspectives—birds' eye view and bugs' eye view.

During Reading

This is a competency book through and through ~ **collaboration is its theme**. Please begin your read with oral language development focused on the introductory wordless picture. It is rich with prediction possibilities and sets the context for the story. The text and accompanying pictures invite "math verbs": mapping, relating, visualizing, perspective-taking, locating, intersecting, transforming, scaling, imagining, folding and comparing. This text supports the dynamic processes of spatial thinking and reasoning.

After Reading

Invite students to consider: *What shapes do you see? How do you see them? Where are the shapes placed in the story? What different ways do tall man and small mouse relate and live in the world?* Children will love pairing up and designing and prototyping paper airplanes! As a class choose 'unlikely' pairings and reflect on **what worked, what was difficult & what would you do differently next time**.

What can you find out about different designs? Whose perspective does your design suit?

Design opportunities for paper airplane possibilities ~ consider materials such as origami paper and scissors, recycled scraps, grid paper, geoboards and elastic bands, rulers and pencils.

If the creations take flight indoors a picture framing mat provides a great target and establishes a bit of order. If your crew heads outdoors for this task you might consider: **What's possible with collaboration outdoors?**

How might you refine a design outdoors?

Tall Man and Small Mouse are as unlikely a pairing as Wolf and Sheep in Anything is Possible by Giulia Belloni.

Pair up these two book and you have a perfect match.

