Creative Challenges

Family Name:

MOTIVATING QUOTE

" Remember, there are no mistakes, only lessons. Love yourself, trust your choices, and everything is possible.
Cherie-Carter Scotts

Discuss this quote with your family. What does this quote mean to you?

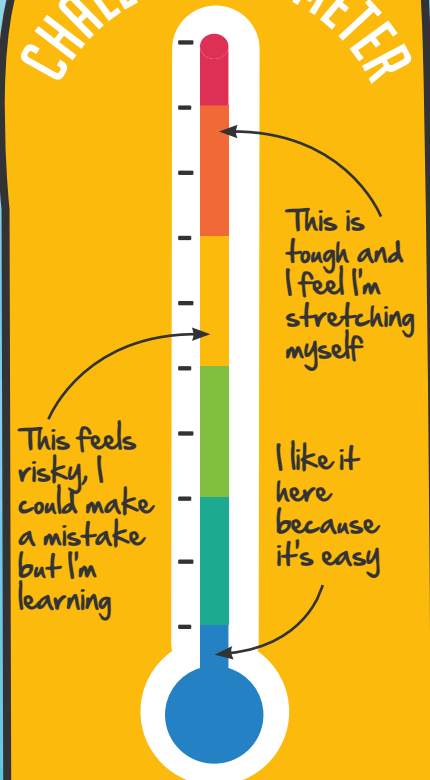## The ACTIVITY

Powerful Paper

Did you know paper is made from trees? To make paper from trees, the raw wood must first be turned into pulp which is a watery material of cellulose wood fibres. The cellulose fibres are stuck together with a lignin, which is a natural glue. The lignin is then removed and the cellulose fibres are separated and reorganised, and paper is made. Did you know the pulp papermaking process is said to have been developed in China during the early 2nd century CE?

Do you think a piece of A4 paper is as strong as a tree? Together, find ways for a piece of paper (and nothing else) to hold up a hardback book. Once you have achieved this, experiment with the same piece of paper and see how many books it can hold up in one go.

Resources:
A4 paper, hardback books

CHALLENGE-O-METER

This is tough and I feel I'm stretching myself

This feels risky, I could make a mistake but I'm learning

I like it here because it's easy

The Power of YET!

If someone gets stuck and needs some help, say:

"Who can you ask for help?"

CHALLENGE YOURSELF

What can you do to make this activity more challenging?

Change your MINDSET

If someone in the family says:

"I'm not that clever"

encourage them to say:

"I will learn how to do this."

POSITIVELY REINFORCE

Positively reinforce someone in your family by saying:

"You put a lot of time into that activity. Tell me how you did it?"
or
"Are you pleased with what you did?"

As a family answer the following questions.

What did you enjoy the most?

If you had the opportunity to do this again, what would you do differently?

What help would you need next time?

How can you apply what you have learned to other activities?

FABULOUS FEEDBACK

RATE ACTIVITY

As a family rate this activity out of five stars

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