

## THE 2022 YOUNG MATHEMATICAL STORY AUTHOR (YMSA) COMPETITION

## THE CINDY NEUSCHWANDER AWARD (THE 12-15 YEARS OLD CATEGORY)

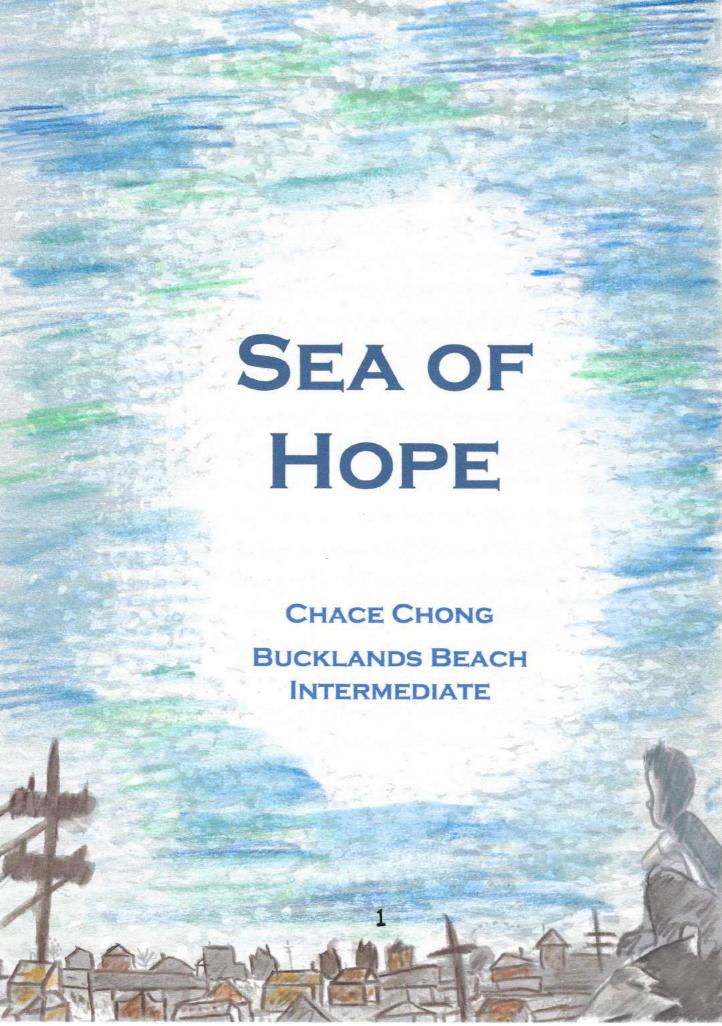
## **LONGLISTED**

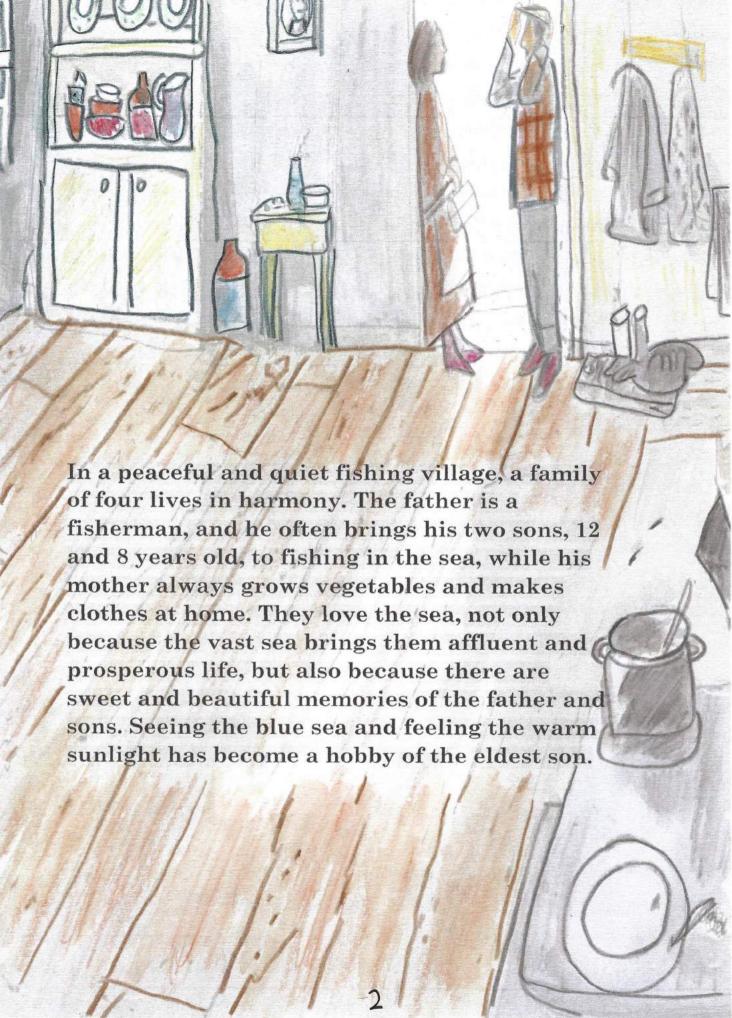
'Sea of Hope' by Chace Chong (12 years old) at Bucklands Beach Intermediate School (New Zealand)

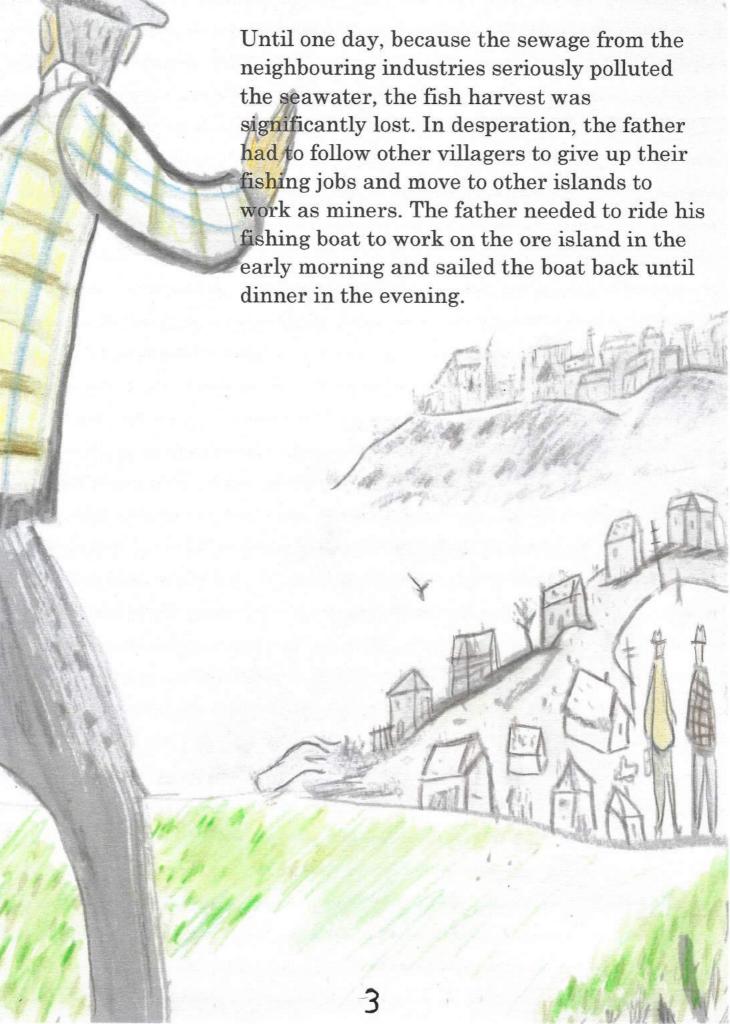
You can read the author's inspiration for the story and the judges' comments on:

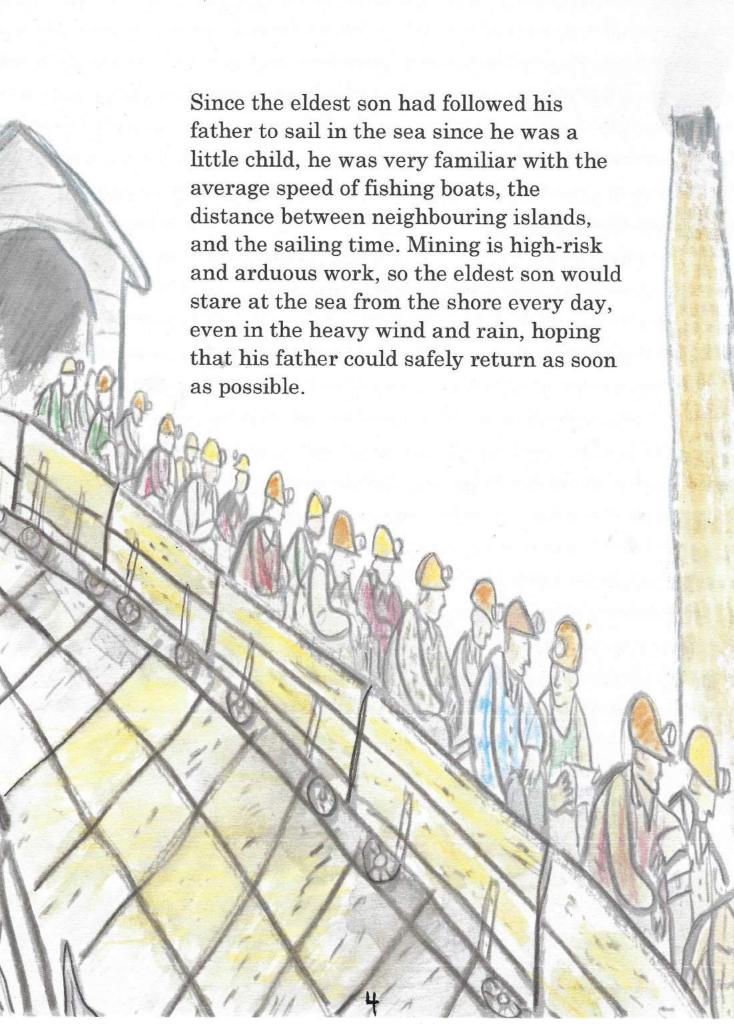
www.mathsthroughstories.org/ymsa2022

**#YMSAMaths** 









On a sunny afternoon, the eldest son took his younger brother to the beach to wait for their father again. When the younger brother saw that his elder brother had written a bunch of numbers and equations on the beach, he felt very curious, then the elder brother asked the younger brother: "What time will Father arrive? If the speed of the boat is 15km per hour and the distance between two islands is 5km"



Soon after, the father's boat began to moor and dock. The two sons happily greeted him at home for dinner. The two sons still hugged their most beloved father even though the dad was covered in mud from head to toe after a hard day's work. After dinner, the father told the eldest son: "Tomorrow is the payday; you do not need to pick me up at the pier. After taking your younger brother to the park to play, go home early to help your mother prepare a decadent dinner to celebrate.

The next day, the eldest son took his younger brother to play around and went to the park to play on the swing again. They played so happily and almost forgot the time. The older brother suddenly tested whether the younger brother had understood the application of the distance, speed, and time formulas that taught him yesterday. The elder brother asked the younger brother: "We now run home together. Can you estimate how fast we run if the distance between the park and home is 2km and it normally takes us twelve minutes to run back home.?"

Speed = Distance Km Distance = 2 Km

Time hour Time = 12 min

12 minutes = 
$$\frac{12}{60}$$
 =  $\frac{1}{5}$  hour = 0.2 hour

So 12 minutes is = 0.2 hour

Speed =  $\frac{2}{0.2}$  hour

Speed =  $\frac{10}{0.2}$  hour

Speed =  $\frac{10}{0.2}$  hour

Speed =  $\frac{10}{0.2}$  hour

So they are going to run. Nome of  $\frac{10}{0.00}$  Km/h Speed

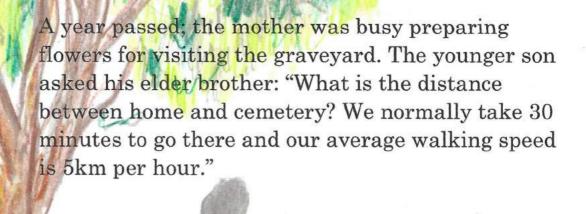
After he finished speaking, he immediately ran home. The two brothers ran home quickly, panting and grinning.

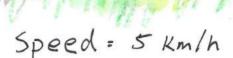
Meanwhile, they saw that the mother had almost prepared a table full of decadent dishes and looked at the clock; the father should have almost returned home. The eldest son stood outside the gate, hoping to see his father as soon as possible, telling him that his younger brother was very talented in mathematics and taught him a lot of mathematical formulas and theories. An hour passed; the father still did not go home; the eldest son ran to the pier. A group of villagers gathered near the dock, crying loudly. The mine supervisor had announced an accident that happened at the mine exit. Twelve miners were buried alive under the sand and mud, including his father.



It had been three months since the incident happened, the mother still wept bitterly every day, and the eldest son went to the seaside from morning to night to look at the sea. Still, now the sea in his heart was just as dark as the sea at night. There was only a feeling of emptiness and loneliness. One night, the stars were bright and brilliant, and the younger brother came to the beach to accompany his elder brother. The two brothers suddenly looked at each other in tacit understanding and then stared at the stars' soft light reflected on the sea surface, they remembered what their father once said: "No matter how dark ina life, there will always be a light of hope to lead you to the future."







$$D = 5 \times 0.5$$

$$CKm/h) \times Chour)$$

$$D = 2.5 Km$$

Years later, the sons have grown up. The younger son used his mathematical talent to become a professor of mathematics at the National University. The eldest son entered the navy, became a captain of the navy, and continued to love this magnificent sea because the sea will always be the bridge of their infinite love and miss for their father.



This is a story about a father and his sons which shows a continuation of his spirit and manifestation of his values. He is forever the best model inspiring courage, giving belief that his love to his sons and his personal empowerment is right here and right now – no matter what the past contained.



Author: Chace Chong

12 Years Old

**Bucklands Beach Intermediate**