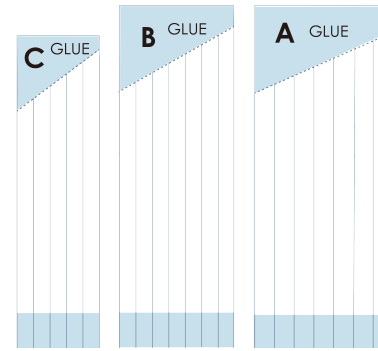
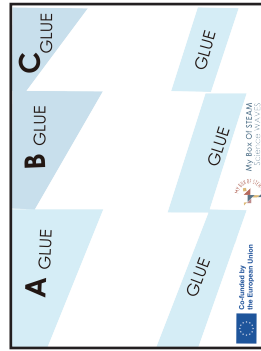


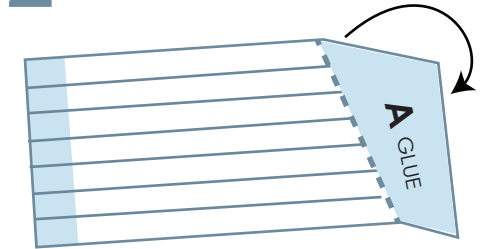
**A** GLUE

# CREATE THE WAVE PAPER STRUCTURE

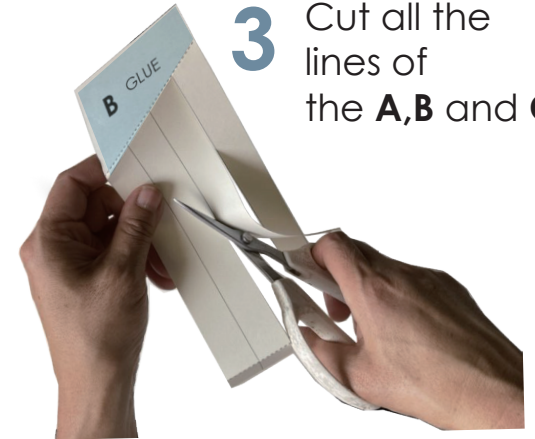
**1** Cut out the **BASE** and **A-B-C**.



**2** Fold the back dotted lines of the **A-B-C**.



**3** Cut all the lines of the **A, B** and **C**.



**4**

Glue the **A, B** and **C** onto the base.



**5**

Glue the strips onto the base.



**FINISHED!**

GLUE



## MONSTER WAVE (1827, Indian Ocean)

When the ship finally entered port, neither the captain nor his crew would have thought it possible only a few days earlier. The captain Mr. Jules Dumont d'Urville was not only a naval officer but was also above all a scientist, yet what he had to face with his ship seemed to be straight out of an ancient legend, when mysterious monsters emerged from the depths of the sea, swallowing ships as if they were cookies. He was sailing along the Indian Ocean with his ship *Astrolabe* when, on the horizon, he suddenly saw thick black clouds thickening. The sky suddenly turned dark as if someone had turned off the sun and all the stars.

The sea began to get bigger, the waves grew higher from moment to moment, and the ship was being tossed up and down as if a giant was holding it in a basin and enjoying rocking it. The waves were pushing each other, as if each was helping its neighbour rise above it to get a little higher and higher. The captain watched worriedly as that spectacle grew more and more ominous. The waves appeared to him like the big clawed hands of a giant furiously pouncing on his poor ship, the sea had turned a dense, dark and compact colour rising and falling, striking the ship from all sides. He felt himself being carried up and then slammed back down and it seemed to him that along with the wood of his ship his heart was also crashing, but he had no time to be afraid he had to find a solution to try to hold on.



**Jules Dumont d'Urville**  
(1790 – 1842)

French explorer and naval officer.

In 1826, he reported encountering a wave more than 100 feet in height in the Indian Ocean.



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The waves were getting higher and higher, so high that they seemed to the captain to be mingling with the clouds, and he really didn't know anymore whether it was the sky that had lowered, or the sea with its waves that had risen.

That violent, raging storm seemed never to end until the captain saw the monster wave coming, a wave so large that he could not see the end of it. The wind was blowing fiercely, a loud hiss that almost stunned him. In his life, he had never heard such a thunderous sound that filled his heart with fright. The wave meanwhile continued to grow taller and more menacing, rising, rising with violent force, seeming to gather water from all sides, all the water of the ocean until, in front of the captain, formed a wall thirty meters high ready to crash down on him. The weight of all that mass of water made the wave roll in on itself, it began growling to turn to close over poor Astrolabe. The captain closed his eyes and turned the helm with all his might, hoping thus to get out of that huge hand that wanted to crush them...when he opened his eyes again his ship was in sight of the harbour. If there had been no other people on his ship who had experienced what he had experienced, he would have thought he had been dreaming. However, even ashore, no one seemed willing to believe him, "Don't talk nonsense, the waves come in at nine meters or less... you say you've faced some as high as thirty meters..." The words still echoed in his head but, even more so was the roar of that immense wave... a water monster that had finally decided to let them continue their journey.

Monster waves are anomalies, different from even furious waves of the sea...scientists are studying the ones and the others...to predict the first and to use the second ones even perhaps to produce energy. And you, are ready to discover them?



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