

- Understanding the concept of buoyancy by observing how the cardboard model floats in water.
- Learning about the structure and design of the Titanic by constructing a replica using cardboard.
- Gaining knowledge about the different parts of a ship, such as the hull, decks, and funnels.
- Exploring the concept of scale and proportion by creating a miniature version of the Titanic.
- Understanding the importance of stability and balance in ship design through trial and error while building the model.
- Learning about the historical significance of the Titanic and its tragic sinking.
- Developing problem-solving skills by figuring out how to construct the model using only cardboard.
- Enhancing fine motor skills by cutting, folding, and assembling the cardboard pieces.
- Improving spatial awareness and visualization skills by mentally visualizing the ship's structure and replicating it with cardboard.

For continued development, the child can further explore the science behind shipbuilding by researching different types of ships and their designs. They can also experiment with different materials to see how it affects the buoyancy and stability of their models. Additionally, they can learn about the engineering challenges faced by shipbuilders and try to incorporate those elements into their cardboard models. This activity can also be extended to include other subjects such as history, geography, and even art by incorporating more details and decorations into the cardboard model.