

## Activity: "My child designed and constructed a steam train on StormWorks"

### Science

- The child learned about the principles of steam power and how it can be harnessed to generate motion.
- They gained knowledge of the different components of a steam train, such as the boiler, cylinders, and wheels.
- They acquired an understanding of engineering principles, including how to design and build a functional steam train model.
- They developed problem-solving skills by troubleshooting any issues that arose during the construction process.

Encourage your child to further explore the world of steam power and engineering by engaging in other related activities. They could research the history of steam trains and how they revolutionized transportation in the past. They could also experiment with different designs and modifications to their steam train model to see how it affects its performance. Additionally, encourage them to learn about other types of trains and their mechanisms, such as diesel and electric trains.

### Book Recommendations

- [Steam: Its Generation and Use](#) by Babcock & Wilcox: This book provides a comprehensive overview of steam power, including its generation, applications, and historical significance.
- [The Steam Engine: A Guide to the Science of Steam Engines](#) by James Wimshurst: This book delves into the science behind steam engines, explaining the principles and mechanisms involved.
- [Trains: An Illustrated History](#) by Colin Garratt: This book offers an in-depth exploration of trains throughout history, including steam trains and their impact on transportation.

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