

Science

- The child has learned about force and motion by understanding how the guillotine blade falls due to gravity when released.
- The activity has provided a hands-on way for the child to explore simple machines, as the guillotine involves the use of a lever to raise and release the blade.
- By building the Lego guillotine, the child has gained a basic understanding of engineering and design principles, such as how to create a functioning mechanism using simple materials.
- Through the construction process, the child has also developed problem-solving skills by figuring out how to make the guillotine operate correctly.

For continued development, encourage the child to explore other historical inventions and machines through hands-on activities and building projects. They could also delve into the principles of engineering and physics through further experimentation and building challenges.

Book Recommendations

- [The LEGO Ideas Book](#) by Daniel Lipkowitz: This book provides inspiration and ideas for building various Lego creations, including historical inventions like the guillotine.
- [The Magic Tree House Series: Revolutionary War on Wednesday](#) by Mary Pope Osborne: This book explores history through the adventures of Jack and Annie, and it may inspire the child's interest in historical inventions.
- [Mystery of the Stolen Crown: A Novelization](#) by Meredith Rusu: This book features a mystery that involves historical artifacts, which may appeal to the child's interest in historical inventions and builds.

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