Tall Towers Workshop

Education Objectives

The objective of this workshop is to give your group the opportunity to:

- Learn about structures such as houses and towers
- Learn how to increase the stability of tall structures through hands on experiments and experience in a workshop

Illinois Curriculum Standards

This resource corresponds to the following areas of the Illinois Curriculum:

Early Elementary – Science:

- 11.A.1a, 11.B.1a, 11.B.1b, 11.B.1c, 11.B.1e Inquiry and Design
- 12.D.1a, 12.D.1b Concepts and Principles

Early Elementary – Math:

- 7.C.1 Estimation and Measurement
- 9.C.1 Geometry
- 10.A.1b, 10.B.1c Data Analysis and Probability

Tall Towers Workshop

During your visit

Tall Towers Workshop

Tall Towers Workshop is a 30-minute educational workshop intended to introduce young learners to the world of architects.

Held inside the LEGOLAND Discovery Center, learners who participate in the workshop are able to learn by playing, providing them a fun, unique, hands-on educational opportunity. Learners in Tall Towers participate in building challenges intended to teach them the importance of teamwork and communication. Tall Towers also provides a classroom setting where they learn about elementary construction principles, the many natural and man-made structures in their world, and the effects of natural disasters on tall buildings.

Tall Towers Educational Workshop is recommended for children between the ages of 6-9 (1st-3rd grade).

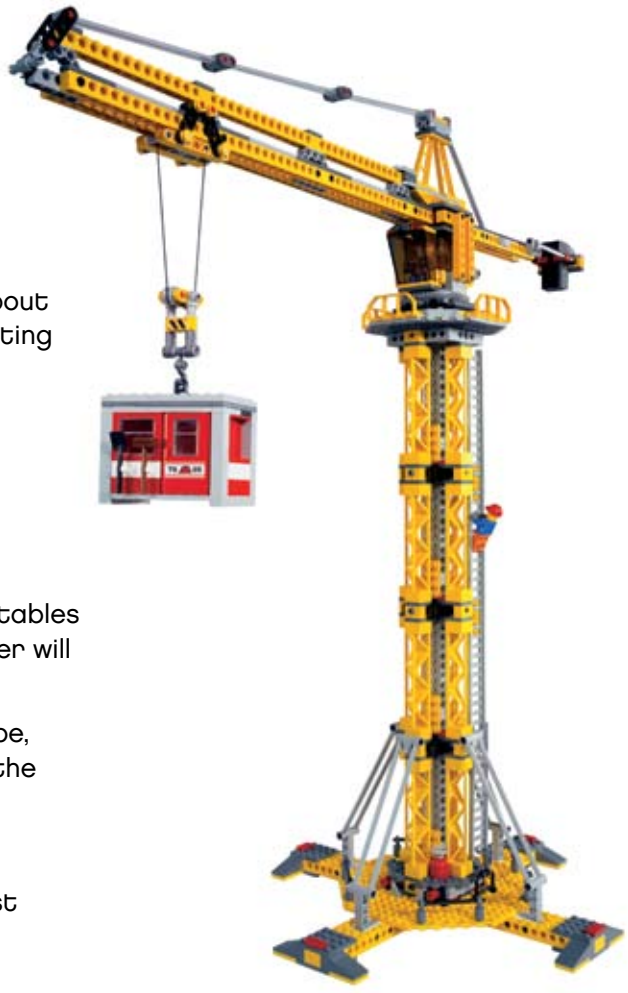
After the Workshop

Miniland

Visit MINILAND and discover the famous landmarks of Chicago made from LEGO bricks!

Bob the Builder 4D

Join Bob the Builder and his Can-do Crew and learn about the importance of planning and design when constructing a roller coaster!



Activities after the visit

Paper bridges

- Take a piece of A4 paper and place it between two tables at a distance of approximately 20cm. Flat, the paper will fall to the floor. It is not very strong or stable.
- Roll the paper up to form a tube, fasten it with tape, and place it between the two tables. By modifying the paper its stability/strength changes.
- Discuss the findings.
- Fold the paper into other different shapes and test its strength/stability.