

# Learning from Chaos



## GRANT RECIPIENTS

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## NYS STANDARD

MST standard 1,5,6 &7  
ELA standard 1&4

## GRADE LEVEL

Kindergarten - 2

## STUDENTS SERVED

200+ students

## PROGRAM DESCRIPTION

The purpose of this grant was to bring hands on physics and scientific language to the K-2 population on a more sustained level. Students throughout the whole school population participated in on going experimentation and construction of a perpetual motion structure (chaos tower). The educational benefits were many. In constructing the tower students employed small motor skills, planned, learned to troubleshoot, exercised reasoning skills, practiced the scientific process, and cooperated with each other.

The early elementary years focus heavily on language arts, mathematical and social learning. There was a need to incorporate more science related language, concepts and hands on opportunities on a more sustained level. Conversations and discussions arose while planning developing and constructing the Chaos Structure that improved language and encourage social conversations about learning.

The essential materials needed were the Chaos Tower kit available at <http://www.chaostoy.com/>.

## STUDENT OUTCOMES

The Chaos Tower project allowed students to speak and write to acquire and transmit information required by asking probing and clarifying questions, interpreting information in their own words, applying information from one context to another, and presenting the information and interpretation clearly, concisely, and comprehensibly through presentations and journal entries.