**Optional** STEM Free-Standing Scarecrow Building Challenge

**Directions:** The challenge is to plan and build a free-standing scarecrow, which must stand without human support.  Only use the supplies listed below (up to 6 supplies total).

**Materials:**

5 craft sticks (included)

Up to 5 other supplies (including tape/glue)

Scissors may be used and do not count as a supply

**STEM Skills Presented in this Lesson:**

* Science: Students will use the engineering design process and will observe, communicate, and compare while completing this project.
* Engineering: Students will engineer a free-standing scarecrow using only the materials listed above.
* Math: Students will explore lines, shapes, patterns, and mathematical relationships as they work to plan and engineer the free-standing scarecrow.

This lesson was taken and adapted from the source and is the intellectual property of: [www.wikkistix.com/lesson-plans/stem-education-scarecrow-building-challenge/](http://www.wikkistix.com/lesson-plans/stem-education-scarecrow-building-challenge/)