



## Grade 8 New York City Companion Kit

Materials needed to teach Amplify Science lessons are provided in a kit for each unit. While some of the materials used in the NYC Companion Lessons are also found in a unit's kit, additional materials are needed for most of the companion lessons. Materials specific to the companion lessons are provided in NYC Companion Kits.

There is one NYC Companion Kit for each grade level, with three NYC Companion Kits across Grades 6–8. The kits contain materials needed to teach all NYC Companion Lessons at that grade level. Multiple units are packaged together for ease of storage and use. The kits contain sufficient amounts of materials to present the companion lessons for that grade level five times for a class of 40 students (i.e., 200 students in total).

## Materials at a Glance

**Note:** Check and follow your district’s safety regulations pertaining to the use of proper safety equipment and procedures for students participating in hands-on science activities.

### Items Provided in the Grade 8 NYC Companion Kit

This is a complete list of all the kit-provided materials needed to present the grade 8 NYC Companion Lesson five times for a class of 40 students.

**Note:** The NYC Companion Kit for grade 8 may contain additional quantities of some items.

Quantity Needed	Manipulatives	Used in Companion Lesson	Associated Unit
400	cups, plastic, 2 oz.*	Water Wheel Design	Magnetic Fields
200	cups, plastic, 8 oz.*	Water Wheel Design	Magnetic Fields
4	measuring cups, 2-cup	Water Wheel Design	Magnetic Fields
50	pie tins, foil*	Water Wheel Design	Magnetic Fields
4	pitchers, plastic	Water Wheel Design	Magnetic Fields
300	spoons, plastic*	Water Wheel Design	Magnetic Fields
102	string, feet*	Water Wheel Design	Magnetic Fields
11	tape, masking, rolls*	Water Wheel Design	Magnetic Fields
4	tubs, plastic	Water Wheel Design	Magnetic Fields
1	utility knife	Water Wheel Design	Magnetic Fields
51	washers, metal, 1-inch	Water Wheel Design	Magnetic Fields
11	wooden dowels, 1/2-inch	Water Wheel Design	Magnetic Fields

\*consumable item

**Items to Be Provided by the Teacher**

The quantities listed are what you will need to provide to teach the Grade 8 NYC Companion Lesson once for a class of 40 students. Please note that you will need to replenish the consumable items after each class use.

Quantity Needed	Manipulatives	Used in Companion Lesson	Associated Unit
1	card, index, large	Water Wheel Design	Magnetic Fields
1	marker	Water Wheel Design	Magnetic Fields
4	metersticks	Water Wheel Design	Magnetic Fields
1	paper towel, roll*	Water Wheel Design	Magnetic Fields
10	scissors, pairs	Water Wheel Design	Magnetic Fields
10	trays	Water Wheel Design	Magnetic Fields
	water*	Water Wheel Design	Magnetic Fields
11	water bottles (empty), single-use, plastic, 16 oz.*	Water Wheel Design	Magnetic Fields

\*consumable item