

## ***DNA Model Kit Lesson Directions Overview***

### **Equipment List**

- 1 Magnus™ Upright and Base
- 1 Center Sleeve
- 12 Black End Pieces
- 16 Colored Pieces (4 ea blue, red, green, yellow)

### **Learning Objectives**

1. Understand that DNA inside cells contains genetic information.
2. Construct a model of the DNA structure.
3. Identify the four nitrogen bases in DNA.

### **Grade Levels: 6-12**

### **Vocabulary Covered**

- DNA
- Nitrogen Bases (adenine, thymine, cytosine, and guanine)
- Base Pair
- Nucleotide
- Gene

### **NGSS Topics Addressed**

- Engineering Design
- Structure, Function, and Information Processing
- Inheritance of Traits
- Growth, Development, and Reproduction of Organisms