

## Focus Questions Grade Five

### **Models and Designs** (FOSS)

#### Lesson 1.1: *Black Boxes*

What does the inside of the black box look like?

#### Lesson 1.2: *Black Boxes*

How can building a physical model provide evidence of what the black box looks like inside?

#### Lesson 1.3: *Black Boxes*

In what ways is the drought stopper a black box?

#### Lesson 2: *Hum Dingers*

How is the humdinger a system? How do its subsystems depend on each other and work together?

#### Lesson 3: *Go-Carts*

How do the subsystems of the go-cart interact in order for the go-cart to move?

#### Lesson 4.1: *Cart Tricks*

How does wheel size affect the distance a go-cart can travel?

#### Lesson 4.2 *Cart Tricks*

How does changing certain variables affect go-cart behavior?