

## STAXIS [REVERSE]

### OBJECTIVES

- Physics introduction (balance and gravity)\*
- Team work
- Motor skills and dexterity

### GRADES

1-5

### ESTIMATED TIME

10-20 minutes per game

### MATERIALS NEEDED

- [Staxis set](#)



### SETTING THE STAGE

Practice balancing various classroom objects.

- How far can you push your pencil off of your desk before it falls?
- Can you balance your marker on your finger?
- Can you balance a book on your head?

### PROCEDURE

Students work in teams of 2-6.

Build the base of the Staxis (use sphere, legs, 4 long sticks and notched sticks and one long stick connecting opposite corners) and add at least 15 sticks to build a tower.

## STAXIS [REVERSE]

### PROCEDURE

Each player will take turns rolling the dice.

- Roll a 1 = take a stick away from the tower
- Roll a 2 = add a stick to the tower

(it can touch as many other sticks as you would like)

How long can you add and remove sticks until the tower tumbles?

### FOLLOW UP

- Was it easier to add or remove a stick?
- When you had to add a stick, was it easiest to balance it on multiple sticks that were already stacked or fewer sticks?
- Did you have a strategy when you built the original tower?