

# SUPER STRUCTURES ENGINEERING

## SCIENCE HAS NEVER BEEN THIS COOL

### **INVENTIONS:**

Where would we be without engineers? For our first lesson, students will get an introduction to becoming engineers by building their own inventions.

### **ACADEMIES:**

Ever wondered what Professor Egghead's Science Academy looks like? In this lesson, students learn how to build a sturdy foundation by building an academy.

### **SUPER STADIUMS:**

Did you know Wembley Stadium can fit 90,000 people? That's a lot of soccer fans! Students will learn how to build a stadium that can pass the volume test.

### **SOARING SKYSCRAPERS:**

Can you build a building tall enough to touch the sky? In this lesson, students build their own skyscrapers then put them up to the wind test to make sure they're balanced.

### **BUSTING BRIDGES:**

Did you know there are over half a million bridges in the US? Students will build three different bridges in this lesson!

### **BIG BRIDGES:**

The Pearl Bridge in Japan is the longest suspension bridge in the world! In this lesson, students will build giant bridges.

### **ELEVATORS:**

Did you know elevators were originally invented to carry only cargo? In this lesson, students will build their own working elevators!

### **LIGHTHOUSES:**

Steering ships safely home is an important job, and in order to do it, lighthouses must be visible. Students will build their lighthouses with a pattern to make sure ships can see them!

### **TUNNELS:**

How do you drive through a mountain? With a tunnel, of course! In this lesson, students will build their own tunnels and then connect them all to make one a huge tunnel!

### **FINAL CHALLENGE:**

Are you ready for the true test of a Super Structures Engineer? In this lesson, we put everything we've learned together into one Final Challenge. What do you get if you pass? An official Professor Egghead degree!

[WWW.PROFESSOREGGHEAD.COM](http://WWW.PROFESSOREGGHEAD.COM)