

Be a Health Scientist!

The *Be a Health Scientist!* program invites children to take the role of scientists and engineers as they investigate problems related to human health and well-being. The activities encourage scientific practices like making observations and testing hypotheses while exploring the following questions:

- *What parts of people's lives and environments affect their health?*
- *How can people improve their health?*
- *How can we keep people from getting sick?*
- *How can we help sick people get well?*

Each *Be a Health Scientist!* activity highlights a real-world career through a story that invites children to play the role of a person in that career:

Be an Athletic Trainer

Members of a sports team are reporting a variety of problems with their knees during training. Test the strength and mobility of their knee joints using models and choose appropriate training exercises for each player to improve their knee function.



Be a Cardiologist

A person with heart problems has been diagnosed with a blockage in one of their arteries. Use a model to investigate how the blockage affects blood flow in the artery; then, design a tool to clear the blockage and improve the patient's blood flow.

Be a Dietitian

One of your patients needs more Vitamin C in their diet but struggles to find easy ways to get it. Test the Vitamin C content of several beverages to find out which one(s) could help your patient get the most out of their drink.



Be an Epidemiologist

An illness is spreading through a school community, and it's your job to find out what's going on. Use a model to explore how illnesses spread, search for the source, and suggest ways to keep it from spreading further.

Be an Orthopedic Doctor

A hockey player has broken the tibia bone in their lower leg. Design and test a solution for keeping the broken bone aligned and supported while it heals.

