

Be a Health Scientist!

LAB NOTEBOOK

Use this notebook to take notes, record your discoveries, and try new experiments at home.

NAME

Find out more!

**Be a health
scientist at home!**
Try the activity on
page 24!

WEBSITES

Be a Health Scientist! – scienceinthesummer.fi.edu/be-a-health-scientist

Official website for 2024 GSK Science in the Summer™

The Franklin Institute – fi.edu/en/science-and-education/franklin-at-home
STEM activities and videos

Nova Online

https://www.pbs.org/wgbh/nova/education/resources/subj_05_03.html

Health Powered Kids

<https://healthpoweredkids.org/lessons/>

CDC Science Ambassador Program

<https://www.cdc.gov/science-ambassador/stem-lesson-plans/index-activities.html>

BOOKS

The Fantastic Body: What Makes You Tick & How You Get Sick by Dr. Howard Bennett

Happy and Healthy Human Body by Claudia Martin

Andrew Learns about Scientists by Tiffany Obeng

PHOTOGRAPHY CREDITS

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What is Health Science?

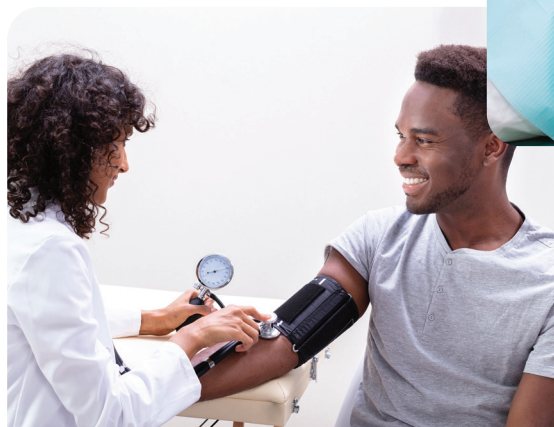
The goal of health science is to look after the overall health and well-being of ALL humans. Health scientists study ways to keep people healthy or treat them when they are sick. They ask questions like:

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

*Health Science is a big field with **MANY** different careers.*

Health scientists might:

- Treat sick people in hospitals and medical offices
- Research new medicines or treatments in a lab
- Teach people about their bodies and health in a classroom or community center
- Work in the government to make laws that affect people's health



Be an Orthopedic Doctor

Orthopedic doctors are experts in bones, muscles, and joints. They can treat injuries like broken bones or torn muscles.



Big Question:

How do orthopedic doctors fix broken bones and protect them while they heal?

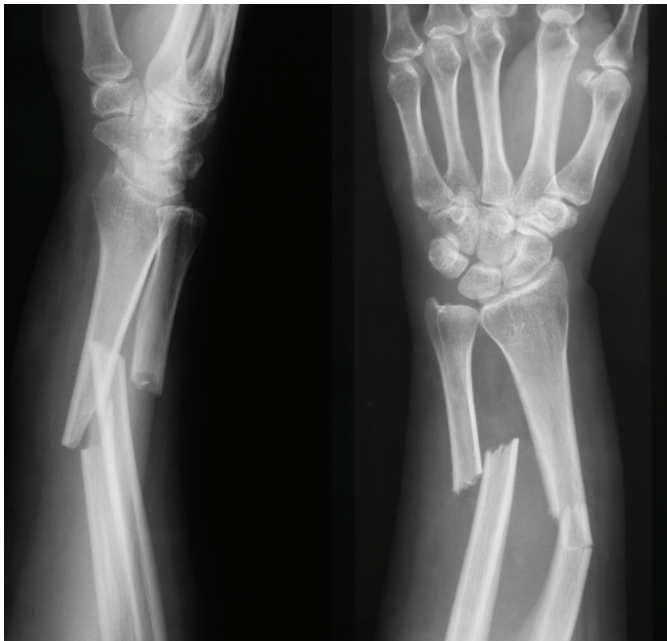


Your Project

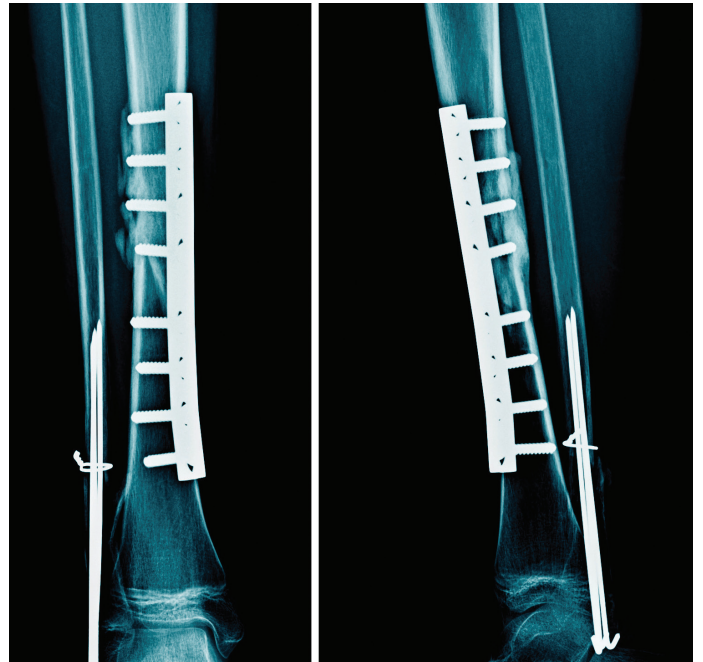
Use a model to find the best solution for repairing a hockey player's broken leg bone.

Take a look

Below are some images of X-rays that show broken bones. What part of the body do you think the X-ray shows?



Repair design:



Notes

What ideas did you test? What did you find out?



Reflect

How were you like an orthopedic doctor? What skills did you practice?



PLACE
STICKER
HERE