

New Health Science Curriculum!

Ophthalmology

Students explore the career opportunities and develop essential skills for a career in the ophthalmology industry. Students learn how to properly use technology to examine the health of a patient's eyes and manage healthcare information in an efficient and effective manner. Students gain hands-on practice with a pupilometer, an ophthalmoscope, trial lens and frames, and more!

Activity 1	Introduction
Activity 2	Anatomy of the Eyes
Activity 3	Vision Exams
Activity 4	Diagnosis
Activity 5	Patient Treatment
Activity 6	Disease Prevention
Activity 7	Patient Management
Activity 8	Corrective Lenses
Activity 9	Prescription Lenses
Activity 10	Post-Test & Wrap-Up
Activity 11	Bonus Activities
Activity 12	Challenge
Activity 13	Open-Ended Challenge
Activity 14	Careers
Activity 15	Job Shadow

Skills:

- Administer vision tests.
- Discover and define visual acuity, astigmatism, and color deficiencies.
- Discover how the brain interprets messages received by the eye.
- Examine common refractive errors and their causes.
- Discover and define visual acuity, astigmatism, and color deficiencies.

Knowledge:

- Identify the importance of eyes and the role they play in our lives.
- Understand the internal elements of a human eye.
- Identify the structures of a cow eye.
- Review light refraction and compare it to reflection.
- Examine the types of lenses used to correct common refractive errors.
- Interpret lens prescriptions.



Ophthalmology Includes: Student Workbook, Instructor's Manual, Installation CD, Headphones, Depth Perception Tester, Eye Model, Ophthalmoscope, Pen Light, Pupilometer, Retino Model Eye, Trial Lens Set, Various Ophthalmology Charts and Posters.