Answer Key

Diagnose Anna

Possible Answers:
- Nearsightedness (myopia) because she cannot see far away objects.
- Astigmatism because of the shape of her eye and statement of distorted placement of the soccer ball
- Possibly early stages of cataracts because of light sensitivity (rare in young people)

Eye/Camera

- Retina: Controls how much light enters the eye / camera
- Brain: Helps focus light
- Optic Lens: Light-sensitive surface, which captures the image of what we’re looking at and receive an inverted vision of the image
- Iris: Flips the image received so it’s right-side up
- Aperture
- Camera Lens

Digital version: imaging sensor chip / Non-digital version: film
Digital version: programming to flip the image / Non-digital version: prism or mirror

Esiw Funhouse
1. Both (concave and convex)
2. Convex
3. Convex
4. Concave
5. Concave
6. Concave

EMR Signal Processing
1. Remote
2. Satellite dish
3. X-ray machine
4. Microwave
5. Radar
6. Telescope
7. Motion sensor
8. Radio