



Delivering hundreds of pounds of school supplies, as always.



Both Beau and Sara were tremendous help when explaining the application process to the elementary school students.





Meeting our BEP scholarship students at Eden High School.....



EHS Science Fair.....





Ruben's tube



Sound

Sound is produced by vibration.

Sound travels in longitudinal waves.

Frequency

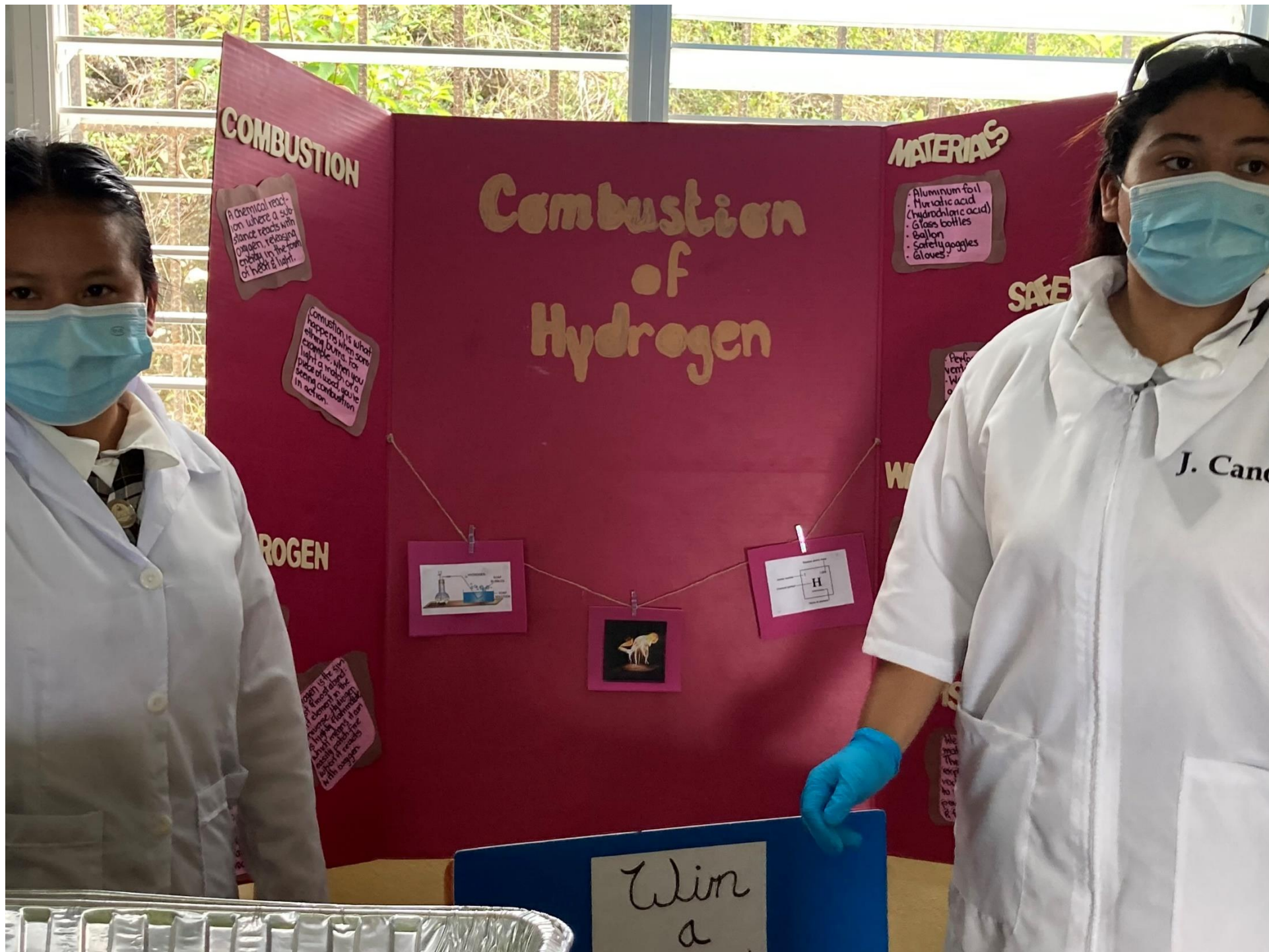
Frequency is the number of vibration per unit of time. The highest the frequency, the highest the pitch.

Ruben's Tube

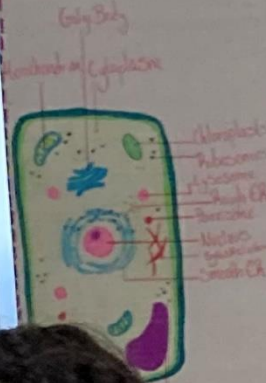
In 1905, Heinrich Rubens and Otto Krige-Menzel published a paper describing a unique acoustics teaching apparatus.
When sound is played through a speaker at one end, it creates pressure waves inside the tube.
This forms a visible standing wave pattern, showing how sound waves travel through the tube. The tube demonstrates concepts like sound waves, resonance, and pressure variations.
These pressure changes cause the flames at the holes to rise higher in areas of low pressure (rarefaction) and lower in areas of high pressure (compression).

TYPES OF WAVES



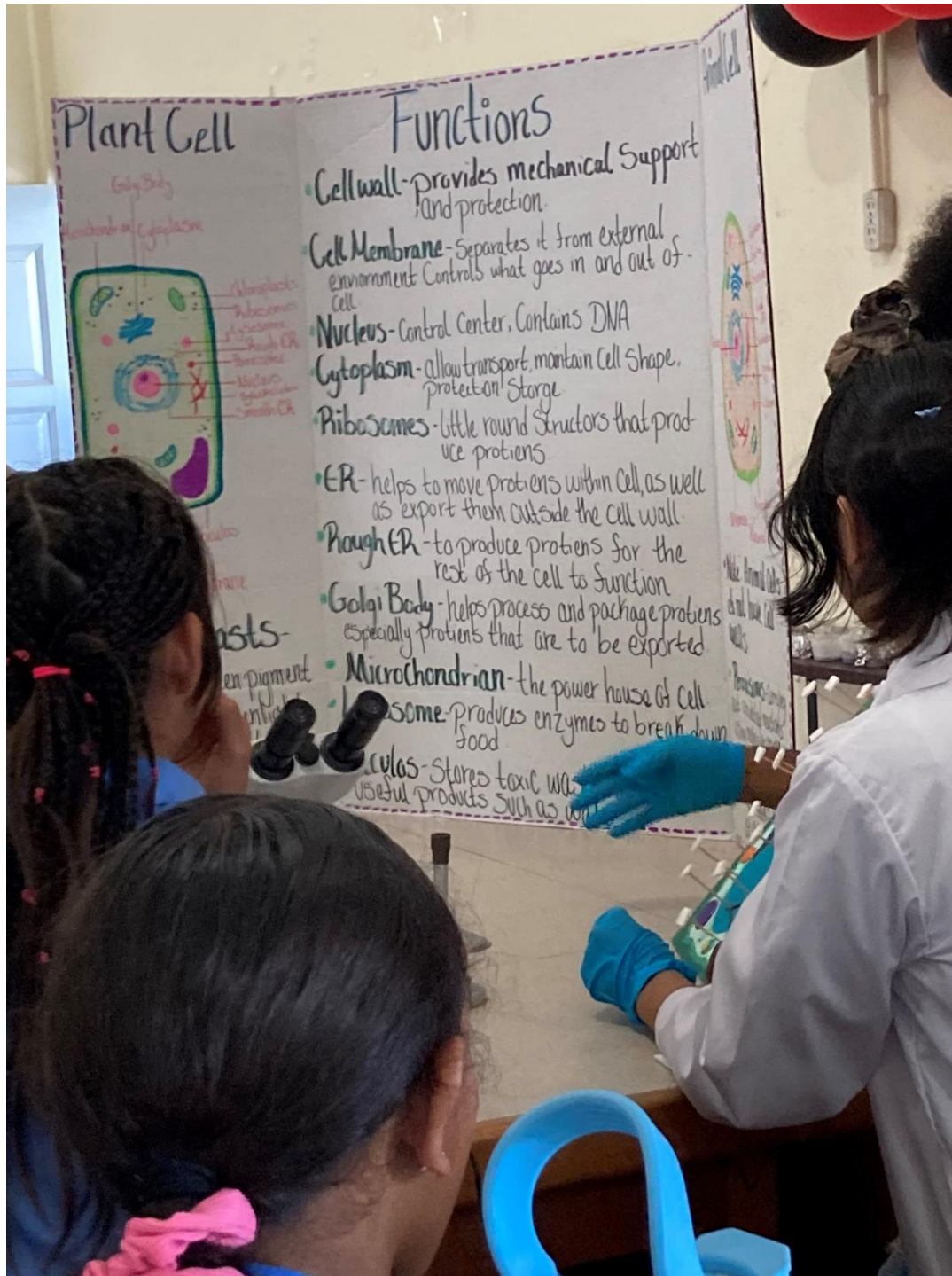


Plant Cell



Functions

- **Cell wall** - provides mechanical support and protection.
- **Cell Membrane** - separates it from external environment. Controls what goes in and out of cell.
- **Nucleus** - Control Center, Contains DNA
- **Cytoplasm** - allow transport, maintain cell shape, protection, storage
- **Ribosomes** - little round structures that produce proteins.
- **ER** - helps to move proteins within cell, as well as export them outside the cell wall.
- **Rough ER** - to produce proteins for the rest of the cell to function.
- **Golgi Body** - helps process and package proteins especially proteins that are to be exported.
- **Microchondrian** - the power house of cell.
- **Lysosome** - produces enzymes to break down food.
- **Vacuoles** - stores toxic waste, useful products such as water.



Moments in Belize.....



Donna Duffy was always with us!



Peter is testing a new motorcycle of Xande Gonzalez, former BEF student.

