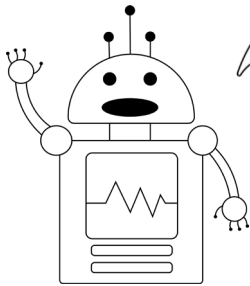


Build An Ear

This activity was created by Gagan

Uh oh! The following ear parts have been scrambled. Are you able to help me recode the following ear parts and put them in the correct order? Cut the following pieces and place them in the correct order on the next page. **Hint:** use the colours of each piece to correctly group each section



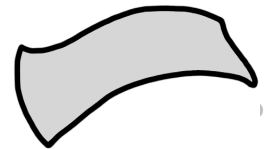
Like the parts of your ears, **functions** in code are used to complete specific tasks within a larger overall task. In the large task of hearing, **data** (sound waves), enters the ear and is processed by each part of the ear in turn. Eventually the information reaches the brain, giving an end result: hearing a noise!



Pinna: the part of the ear you can see outside the body. collects sound like a funnel and amplifies it (makes it louder)



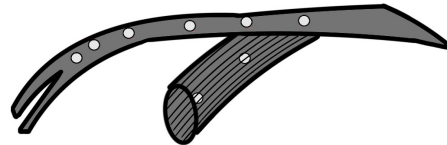
Ear Drum: receives vibrations in air, and changes them to vibrations inside the ear



Ear Canal: an air-filled tunnel



Malleus: a bone like a little hammer that sends vibrations to the incus



Vestibular / Auditory Nerve: sends sound information to the brain after being activated by hair cells



Stapes: the tiniest bone in the body! sends vibrations to the cochlea



Cochlea: fluid inside it moves in response to sound vibrations, which causes tiny hairs on the inside to be tickled



Incus: a bone like a little anvil that sends vibrations to the stapes

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Date: _____

Name: _____

OUTER EAR

MIDDLE EAR

INNER EAR



Brain: receives and processes sound after it has moved through all the parts of the ear