

## Sound Quality (Timbre)

"Quality" = characteristics / sound "flavor"

↳ why you sound distinctly different from your mom or dad

Fundamental Frequency - the frequency of the sound (note) we hear.

Harmonics - are waves whose frequencies are whole integer multiples of a fundamental frequency.

1<sup>st</sup> Harmonic = 1 × "Fundamental Frequency"

2<sup>nd</sup> Harmonic = 2 × "

3<sup>rd</sup> Harmonic = 3 × "

- Different instruments (voices) will generate different harmonics, and the intensities of the harmonics will vary.

