

Putting a Spin on Music

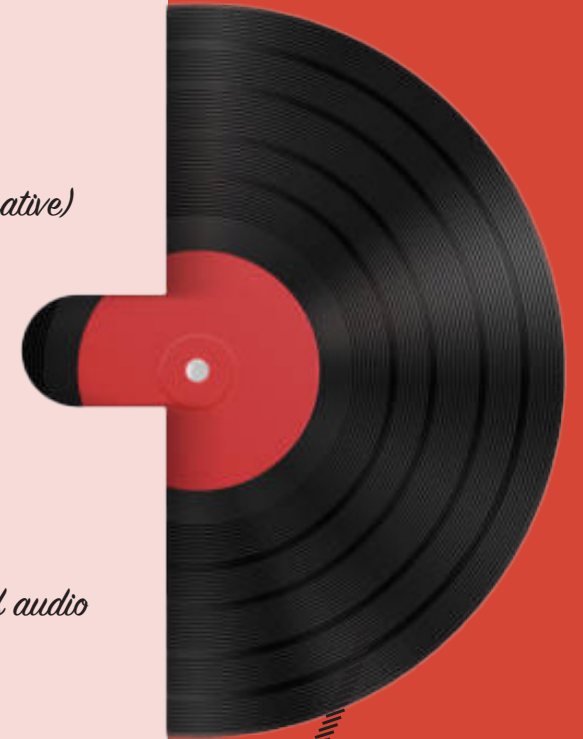
The Player

- The turn table spins the record
- The stylus or needle vibrates within the grooves of the record
- The vibrations are transformed into audio signals by magnets and coils
- An amplifier amplifies the sound signals and sends them to the speakers
- The amplifier is often contained in the player but can be a separate device



The Record

- The Record is made of PVC
- A master copy of a recording is created (Negative)
- The negative is pressed onto heating pucks
- A record is created!
- Capabilities vary in sizes
- 7" records can hold 3- 5 minutes of audio
- 10" can hold anywhere from 10-15 minutes of audio
- 12" can hold up to 22 minutes of audio



The Speaker

- The speaker receives the audio signals
- They then transforms them into soundwaves
- The cones of the speakers vibrate back and fourth
- The frequency is the same as that of the initial record grooves
- This creates soundwaves that our ears pick up as music.

