



# Xavier's Daily

## ➔ Challenge yourself!

Riddle: What kind of music does a blacksmith like?

Answer: Heavy metal!

## ➔ Spectrum's Corner

### Thought of the Day

"If you can use songs as a tool, vehicle for empathy, and a deeper understanding of how people are feeling and how people's emotions work, there's a lot of good that can come from that."

- Finneas O'Connell

### Word of the Day

resonance \ rez.ə.n.əns\ noun:

1. when sound waves combine through constructive interference, making the sound louder and more vibrant (-The resonance in the organ pipes is producing a louder and more vibrant tone throughout the cathedral.)
2. The ability to evoke emotions, memories, or connect with others (- Her speech had a resonance with the audience.)



## HOW TECHNOLOGY CHANGED MUSIC FOREVER

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Have you ever wondered how your favourite songs are made? In the past, recording was a difficult process. Artists used tape recorders, which limited them to only a few layers of sound, or "tracks". But the invention of the "Digital Audio Workstation (DAW)" revolutionized everything. Now, an unlimited number of tracks can be created using just a simple computer.

This new technology has made creating music incredibly accessible! Anyone, from a hobbyist playing with sounds in their bedroom to a professional artist, can produce high-quality songs. For example, many of Billie Eilish's hit songs, known for their complex and layered vocals, were recorded in her brother's small home studio, a perfect example of modern music creation!

Finally, all these layers are blended together through "mixing". This process "glues" the different sounds into one track and brings the core emotion, whether it's happy, sad, or energetic, out of the music for the listener to feel. The track then goes through "mastering", a final polish that ensures the song sounds great on any device, from your headphones to a big concert speaker.

### DID YOU KNOW?

Apple Studios, founded by The Beatles in 1968, was among the first to experiment with early digital recording techniques, inspiring the modern concept of computer-based music production.