Week 2 Supersonic by Demi Kanon

1. **Reference/Inspiration**:
    - **Song**: *"Supersonic"* by Demi Kanon
        - The song has a vibrant, energetic feel that can inspire creative coding projects involving rhythm and motion. It's dynamic beats and melodic shifts could serve as a reference for creating generative art based on music or designing projects that respond to audio input in real-time.
    - Inspiration: Fusing electronic beats with an upbeat tempo is excellent for projects focused on sound-reactive visuals. This could guide work on generative visualizations where patterns or colours change in sync with the rhythm of the music.
2. **Creative Coding Project or Plan**:
    - Project Idea: Create an interactive generative art piece in which visuals respond to the beats of *"Supersonic*." This could involve using p5.js or Processing to create abstract visuals (like sound-reactive circles, waves, or particles) that pulse or morph based on the song's rhythm and frequency analysis.
    - Challenges: Synchronizing audio input with visual patterns might be challenging, especially for real-time responsiveness. It may require techniques like Fourier Transform for audio spectrum analysis and mapping the results to visual elements.
3. **Tool, Technique, Library, or Tutorial to Explore**:
    - Tool: p5.js (or Processing)
        - It is an excellent library for creating generative art responding to music input. Specifically, p5.sound allows for audio analysis, which can be helpful in synchronizing visuals with sound. It will be essential for creating the generative, music-driven artwork you aim for.
    - Tutorial to Explore: Look into "Audio Visualization with p5.js" tutorials, which show how to analyze audio files (like *Supersonic*) to generate real-time visuals. You can find relevant resources on the p5.js website or platforms like YouTube or GitHub.

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

Week 9

Week 10

Week 11

Week 12