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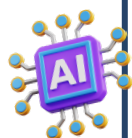
AI Music Generation with Lyrical and Melodic Creation

GRADE LEVEL: 10TH, 11TH AND 12TH GRADE

STEAM AREAS: TECHNOLOGY, ARTS,
MATHEMATICS

MATERIALS NEEDED:

- Access to the provided YouTube tutorial;
- Notebook and pen for students to take notes;
- Access to a computer or mobile device with internet connection;
- Suno AI account for each student, if feasible;
- Optional: Musical instruments for students interested in creating additional elements for their songs



OBJECTIVES:

- To understand the process of AI music generation using Suno AI;
- To explore the creative possibilities in writing and composing a song with AI assistance;
- To analyze the impact of AI technology on the field of music creation and composition;
- To collaborate with peers while creating and sharing ideas for songwriting and musical arrangement.



PROCEDURE:

Introduction (15 minutes)

- Welcome the students and introduce the topic of AI music generation and its impact on the music industry.
- Discuss the connections between technology and music, introducing the concept of using AI for songwriting and creation.

Accessing and Using ChatGPT for Lyric Generation (20 minutes)

- Guide the students to access ChatGPT, explain how to navigate to the OpenAI website, and find the section to access the ChatGPT tool.
- Instruct the students on how to choose a prompt and define the format for lyric generation, including the option to specify if they want rhymes. Emphasize the importance of providing clear and creative prompts for effective lyric generation.

Viewing the Tutorial (20 minutes)

- Provide YouTube link to the Suno AI music generation tutorial: https://www.youtube.com/watch?v=3_pxKK2wqvI
- Instruct the students to watch the tutorial attentively and take notes on the key steps involved in utilizing Suno AI for music creation.



PROCEDURE:

Discussion and Conceptual Understanding (30 minutes)

- Initiate a class discussion on the tutorial content, allowing students to share their observations and key takeaways.
- Focus on the different aspects covered in the tutorial, such as prompting the AI with song descriptions, customizing lyrics, adding new verses, and generating a full song with Suno AI.

Application and Exploration (60 minutes)

- Provide access for students to explore ChatGPT for lyric generation and experiment with creating their own AI-generated song lyrics using the defined prompts and desired format.
- Encourage students to work in pairs or small groups to develop their song ideas and utilize the features demonstrated in the tutorial.

Creating and Customizing Songs with Suno AI (60 minutes)

- Guide students in applying the generated lyrics to the musical composition using Suno AI features as showcased in the tutorial.
- Encourage students to explore the customization and enhancement of their songs, utilizing AI-generated lyrics as a foundation.

Presentation and Peer Review (30 minutes)

- Have each group or individual present their AI-generated song and the process of using ChatGPT for lyric generation to the class, explaining their chosen prompts and the creative decisions made.
- Encourage constructive feedback and peer review, emphasizing the inventive use of AI and ChatGPT in music creation.

Reflection and Discussion (20 minutes)

- Lead a reflective discussion on the experience of using AI for lyric generation and music creation, addressing the advantages and potential of this technology in the music industry.
- Encourage students to express their opinions on the role of AI in shaping the future of music composition and its impact on creative expression.

ASSESSMENT:

- Students will be assessed based on their active participation in the discussion, the quality of their notes from the tutorial, their ability to apply the concepts learned to create an AI-generated song, and the effectiveness of their presentation and reflection on the experience.

REFERENCES:

- AI and Music Education (<https://nafme.org>)
- Soundful (<https://soundful.com/ai-music-generators-and-music-education/>)
- Suno AI: natural language processing (NLP) and machine learning algorithms for music (<https://www.suno.ai/>)