

"CLEAN ENVIRONMENT – CLEAN SCHOOL CLIMATE WITH CREATIVE ENVIRONMENTAL PRACTICES IN SCHOOL EDUCATION"

2023-1-NO01-KA 220-000159229

SUSTAINABILITY FOR MUSIC EDUCATION

AGE RANGE: 14-19 YEARS

GRADE: 9-13

1. INTRODUCTION

As we are faced with increasing environmental challenges it requires a rethink in almost all areas, also in the subject of music education, and especially in the elementary education.

Music is a powerful tool for teaching and learning in a sustainable way because it can engage and inspire people of all ages. Music has the power to convey messages, evoke emotions, and inspire action, making it an effective medium for promoting sustainable practices and behaviors.

The special feature of the Bafep, the school in Vienna, and the training branch of the Federal Institute for Elementary Education is that future educators are trained, and the sphere of activity is therefore twofold. On the one hand, the pupils or students are educated and, ideally, they also educate their kindergarten children in elementary education. For the topic of sustainability, too, this means a double effect or a doubled significance and therefore cannot be overestimated.

2. WHY IT IS IMPORTANT

Sustainable music lessons can and should achieve a wide variety of objectives: It can convey awareness of the importance of sustainability through the medium of music, it can promote the principle of sustainability by applying it to the actual playing of music, the construction and preservation or restoration of musical instruments, it can raise awareness of the importance of resources and their careful use in the global music industry and much more.

Grade Level: High School (9th -12th Grade, Ages 14-19)

Year 1

1. Objectives:

- Introduce students to the basic concepts of sustainability in music.
- Develop foundational music skills, including theory, performance, and composition.
- Foster an understanding of the environmental impact of musical practices.

2. Key Topics:

- Introduction to Sustainability
- Basics of Music Theory
- History of Music and Environmental Impact
- Sustainable Instruments and Materials
- Introduction to Digital Music Production

3. Activities:

- Lectures and discussions on the principles of sustainability.
- Workshops on basic music theory and notation.
- Research projects on historical music practices and their environmental impacts.
- Hands-on sessions with sustainable instruments.
- Introduction to digital music software and its benefits for sustainability.

4. Assessment:

- Written tests on music theory and sustainability concepts.

- Research project presentations on historical impacts.
- Performance evaluations using sustainable instruments.
- Practical exams on basic digital music production.

Detailed Breakdown of Activities and Assessments

Year 1

Activities:

- Lectures and Discussions:

- Basic principles of sustainability, focusing on how these can be applied in music.
- Examples of musicians and organizations practicing sustainability.
- Workshops on Basic Music Theory and Notation:
- Interactive sessions to teach reading and writing music.
- Use of sustainable materials for learning aids.

- Research Projects:

- Students investigate historical musical practices and their impacts on the environment.
- Presentations on findings to develop communication skills.
- Hands-on Sessions:
 - Exploring instruments made from sustainable materials.
 - Understanding the lifecycle and environmental impact of traditional vs. sustainable instruments.

- Introduction to Digital Music Software:

- Basic tutorials on using digital music production software.
- Emphasis on the reduced environmental footprint of digital music creation.

Assessments:

- *Written Tests:*

- Quizzes and exams on music theory and sustainability concepts.

- *Research Project Presentations:*

- Evaluation based on research depth, presentation skills, and understanding of sustainability impacts.

- *Performance Evaluations:*

- Students demonstrate their skills on sustainable instruments.

- *Practical Exams:*

- Assessing students' ability to use digital music software for creating basic compositions.

- Sustainable Instruments and Materials

- Introduction to Digital Music Production

Year 2

1. Objectives:

- Deepen understanding of sustainable practices in music and using the voice.
- Advance musical skills and techniques.
- Encourage creative use of sustainable resources in music creation.

2. Key Topics:

- Advanced Music Theory and Harmony
- The Role of Music in Environmental Advocacy
- Sustainable Instrument Making
- Soundscapes and Natural Acoustics
- Intermediate Digital Music Production

3. Activities:

- In-depth music theory and harmony lessons.
- Study and analysis of music used in environmental movements.
- Workshops on making instruments from recycled and sustainable materials.
- Field trips to natural environments to study soundscapes.
- Projects on creating music using digital tools with minimal environmental impact.

4. Assessment:

- Advanced theory and harmony tests.
- Essays on music's role in environmental advocacy.
- Practical assessments of handmade instruments.
- Field trip reports on natural soundscapes.
- Digital music projects evaluated on creativity and sustainability.

Year 2

Activities:

- *In-depth Music Theory and Harmony Lessons:*

- Building on year 1 theory knowledge.
- Exploring harmony, scales, and chord progressions.
- *Study of Environmental Movements:*
 - Analysis of music's role in past and current environmental movements.
 - Case studies of influential songs and artists.
- *Instrument Making Workshops:*
 - Hands-on creation of instruments using recycled materials.
 - Discussions on the sustainability of different materials.
- *Field Trips:*
 - Visits to local natural environments to explore natural acoustics.
 - Recording and analyzing natural soundscapes.
- *Digital Music Projects:*
 - Projects focusing on using minimal resources to create impactful music.
 - Collaboration in small groups to enhance teamwork skills.

Assessments:

- *Advanced Theory and Harmony Tests:*
 - Written and practical exams on advanced music theory topics.
- *Essays on Environmental Advocacy:*
 - Critical essays on how music has been used in environmental campaigns.
- *Handmade Instruments:*
 - Evaluation of creativity, craftsmanship, and sustainability of materials.
- *Field Trip Reports:*

- Students write detailed reports on their observations and learnings from field trips.
- *Digital Music Projects:*
 - Group projects graded on creativity, collaboration, and adherence to sustainability principles.

Year 3

1. Objectives:

- Integrate sustainability deeply into musical practices.
- Develop advanced performance and composition skills.
- Explore global perspectives on sustainable music.

2. Key Topics:

- World Music and Sustainability Practices
- Advanced Composition and Arrangement
- Eco-friendly Music Technologies
- Community Music Projects
- Professional Digital Music Production

3. Activities:

- Comparative studies of world music traditions and sustainability.
- Composition workshops focused on eco-conscious themes.
- Demonstrations and hands-on sessions with eco-friendly music technologies.

- Planning and executing community music projects with sustainability goals.
- Advanced digital music production workshops.

4. Assessment:

- Comparative essays on world music sustainability practices.
- Composition and arrangement portfolios.
- Technical evaluations of eco-friendly music technologies.
- Reports and reflections on community music projects.
- Professional digital music productions

Year 3

Activities:

- Comparative Studies:

- Research and presentations on sustainability practices in various world music traditions.

- Composition Workshops:

- Focus on creating music with themes of environmental consciousness.
- Peer feedback sessions to improve compositions.

- Technology Demonstrations:

- Showcasing the latest eco-friendly music technologies.
- Hands-on trials and feedback sessions.

- Community Projects:

- Planning and executing music projects that benefit the local community.
- Projects could include concerts, workshops, or educational programs.

- *Advanced Digital Music Production:*

- Mastering software and hardware for professional-grade music production.
- Emphasis on efficient use of resources and energy.

Assessments:

- *Comparative Essays:*

- Research papers comparing sustainability in different music cultures.

- *Composition Portfolios:*

- Collection of student compositions with sustainability themes.

- *Technology Evaluations:*

- Practical exams on the use and benefits of eco-friendly music technologies.

- *Community Project Reports:*

- Detailed reports on the planning, execution, and impact of community projects.

- *Digital Music Productions:*

- Assessment of advanced digital music projects on technical skill, creativity, and sustainability.

Year 4

Year 4

1. Objectives:

Master sustainable music practices and technologies.

- Develop leadership and collaborative skills in music projects.
- Explore music from different cultures and discuss the sustainability of musical practices.

2. Key Topics:

- Leadership in Sustainable Music Projects
- Music Business and Sustainability

- Advanced Eco-friendly Music Technologies
- Collaborative Composition and Performance
- Music from Different Cultures
- Discussions on the Sustainability of Music

3. Activities:

- Leadership workshops and seminars.
- Case studies on sustainable music business practices.
- Advanced sessions on the latest eco-friendly music technologies.
- Collaborative projects with peers on composition and performance.
- Capstone projects that synthesize digital music skills and sustainability principles.
- Study sessions on music from different cultures.
- Discussions and debates on the sustainability of various musical practices.

4. Assessment:

- Leadership project reports.
- Business plans for sustainable music ventures.
- Technical assessments of advanced eco-friendly technologies.
- Peer-reviewed collaborative projects.
- Evaluation of capstone digital music projects.
- Essays and presentations on music from different cultures.
- Reports and reflections on sustainability discussions.

Year 4

Activities:

- **Leadership Workshops:**
 - Seminars on leading sustainable music initiatives.
 - Role-playing and scenario-based activities to build leadership skills.
- **Business Case Studies:**
 - Analysis of successful sustainable music businesses.
 - Guest lectures from industry professionals.
- **Advanced Technology Sessions:**
 - Workshops on cutting-edge eco-friendly music technologies.
 - Hands-on practice and innovation sessions.
- **Collaborative Projects:**
 - Group projects that require cooperation in composition and performance.
 - Focus on creating culturally diverse and sustainable music.
- **Music from Different Cultures:**
 - Study sessions on music from different cultures.

- Analysis of musical styles, instruments, and sustainability practices.
- **Discussions on Sustainability:**
 - Debates and discussions on the sustainability of various musical practices.
 - Research and presentations on current sustainability challenges in music.

Assessments:

- **Leadership Project Reports:**
 - Detailed documentation and reflection on leadership activities.
- **Business Plans:**
 - Creation of business plans for sustainable music ventures.
 - Evaluation based on feasibility, innovation, and sustainability.
- **Technology Evaluations:**
 - Practical assessments of advanced eco-friendly music technologies.
- **Collaborative Projects:**
 - Peer-reviewed projects focusing on teamwork, cultural integration, and sustainability.
- **Essays on Music from Different Cultures:**
 - Analytical essays and presentations on cultural diversity in music.
- **Sustainability Discussions:**
 - Reports and reflections on discussions and debates about sustainability in music.

Year 5

Year 5

1. Objectives:

- Achieve professional proficiency in sustainable music practices.
- Demonstrate expertise through independent projects.
- Plan music events in a sustainable way.
- Understand the importance of music activities for developing a sense of values.

2. Key Topics:

- Independent Research and Innovation in Sustainable Music
- Professional Portfolio Development
- Networking and Career Planning in Sustainable Music
- Advanced Performance and Composition

- Planning Sustainable Music Events
- Importance of Music Activities for Values Development

3. Activities:

- Independent research projects on innovative sustainability topics.
- Portfolio workshops and critiques.
- Networking events with industry professionals.
- Advanced performance and composition workshops.
- Planning and executing sustainable music events.
- Discussions on the importance of musical activities for developing values and community.

4. Assessment:

- Research project theses and presentations.
- Professional portfolios reviewed by industry experts.
- Career planning reports and mock interviews.
- Final performances and compositions evaluated by peers and professionals.
- Comprehensive assessment of the final capstone project.
- Evaluation of sustainable music event planning and execution.
- Reflections on the importance of musical activities for values development.

Year 5

Activities:

- **Independent Research:**
 - Students conduct independent research projects on innovative sustainability topics in music.
 - Presentation of research findings to peers and faculty.
- **Portfolio Development:**
 - Workshops to help students compile and refine professional portfolios.
 - Critiques and feedback sessions from industry experts.
- **Networking Events:**
 - Opportunities to meet and interact with professionals in the sustainable music industry.
 - Workshops on career planning and professional development.
- **Advanced Performance and Composition:**
 - Masterclasses and workshops on advanced performance techniques and composition.
 - Focus on creating and performing music with sustainability themes.
- **Planning Sustainable Music Events:**
 - Planning and executing music events in sustainable ways.
 - Emphasis on using eco-friendly practices and materials.

- **Importance of Musical Activities for Values Development:**
 - Discussions and reflections on the role of musical activities in developing values and community.
 - Exploration of how music can promote social and environmental change.

Assessments:

- **Research Theses and Presentations:**
 - Evaluation of research depth, originality, and presentation skills.
 - **Professional Portfolios:**
 - Review of portfolios by faculty and industry professionals.
 - **Career Planning Reports:**
 - Detailed career plans and mock interviews.
 - **Final Performances and Compositions:**
 - Assessment based on technical skill, creativity, and sustainability themes.
 - **Sustainable Music Event Planning:**
 - Evaluation of planning, execution, and impact of music events.
 - **Reflections on Musical Activities:**
 - Written and oral reflections on the importance of musical activities for personal and social development.
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