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EXPLORING THE INFLUENCE OF MUSIC, ARTS, PHYSICAL EDUCATION, AND HEALTH EDUCATION (MAPEH) ON THE HOLISTIC DEVELOPMENT OF STUDENTS

JOSHUA MARU J. DE GUZMAN, DR. BERNADETTE C. LUZADAS
GRADUATE SCHOOL STUDENT, GRADUATE STUDIES PROFESSOR
INSTITUTE OF GRADUATE AND PROFESSIONAL STUDIES
LYCEUM ORTHWESTERN UNIVERSITY, DAGUPAN CITY, PHILIPPINES

Abstract : This study explores the influence of Music, Arts, Physical Education, and Health Education (MAPEH) on the holistic development of students. Utilizing a quantitative research design, data were collected through surveys administered to students across various educational institutions. The results indicated high levels of participation in MAPEH activities, with significant contributions to students' cognitive, physical, emotional, and social development. Specifically, students reported enhanced cognitive skills through music and arts, improved physical fitness through sports, and strengthened emotional resilience via health education. Despite challenges such as resource limitations and time constraints, students perceived a strong correlation between their engagement in MAPEH and their overall well-being. The findings underscore the importance of MAPEH in fostering a comprehensive educational experience that promotes not only academic success but also personal growth and resilience among students. This study advocates for enhanced resource allocation and curriculum integration to maximize the benefits of MAPEH education.

Keywords **- Music, Arts, Physical Education, Health Education, Holistic Education, Student Development, Cognitive Development, Emotional Development, Social Development, Well-Being.**

INTRODUCTION

Holistic education, an approach that emphasizes the development of the "whole" person, is gaining momentum in global educational paradigms. Unlike traditional methods that primarily focus on cognitive development, holistic education fosters a balance between intellectual, emotional, social, physical, and creative growth. This perspective considers education as a multifaceted process that nurtures students' abilities across diverse dimensions, preparing them not only for academic success but for life as well-rounded individuals. In this context, Music, Arts, Physical Education, and Health (MAPEH) education plays an integral role in promoting holistic growth by addressing various aspects of student development that go beyond the purely intellectual.

Music, Arts, Physical Education, and Health (MAPEH) subjects provide students with avenues to explore creativity, enhance physical fitness, and cultivate a sense of well-being. Research underscores the significant role of arts and physical education in student development. For instance, Hallam (2010) notes that music education enhances cognitive functions, emotional intelligence, and social skills by promoting collaboration and discipline. Similarly, Hetland et al. (2013) argue that arts education nurtures critical thinking and creativity, contributing to broader academic achievement. Furthermore, Deasy (2002) highlights that integrating arts into the curriculum not only enhances students' artistic abilities but also fosters engagement and motivation across other subject areas.

Physical Education (PE) plays an equally critical role in holistic education by promoting physical health, teamwork, and discipline. According to Bailey et al. (2009), PE helps students develop essential motor skills, which are linked to improved academic performance and self-regulation. The authors further argue that students who engage in regular physical activity through PE classes show better focus and behavior in academic settings. Sallis et al. (2012) reinforce this claim, suggesting that physical fitness is closely related to improved cognitive functions, including memory and problem-solving abilities.

Health education, the fourth component of MAPEH, addresses students' understanding of personal and community health, thereby equipping them with knowledge to make informed decisions about their well-being. Research by St. Leger (2001) demonstrates that health education programs that focus on topics such as nutrition, hygiene, and mental health significantly improve students' awareness of their physical and emotional health. Additionally, Nutbeam and Harris (2004) found that students who receive

comprehensive health education are more likely to adopt healthy lifestyles, reducing risks associated with poor nutrition, substance abuse, and other harmful behaviors.

Despite the proven benefits of MAPEH in fostering holistic development, its importance is often overshadowed by subjects like mathematics, science, and language arts. Studies show that many educational systems prioritize academic achievements over the physical and emotional growth facilitated by MAPEH subjects (Orlowski, 2016). In this regard, it is essential to recognize the need for balanced curricular programs that incorporate MAPEH, allowing students to develop the necessary skills for overall well-being. Holistic education also places an emphasis on emotional and social learning. Gardner (1999), in his theory of multiple intelligences, suggests that intelligence is not a single cognitive ability but encompasses multiple domains, including musical, kinesthetic, and interpersonal intelligences. Music and arts education, in particular, engage students emotionally and socially, helping them connect with others through shared artistic experiences (Campbell, 2008). This emotional engagement fosters empathy and emotional intelligence, both of which are essential to holistic development.

Moreover, the integration of arts and physical education into the curriculum has been shown to improve student engagement and academic performance. According to a study by McCarthy et al. (2004), students who participate in arts programs demonstrate higher levels of engagement and motivation, leading to improved outcomes in traditional academic subjects. Additionally, physical activity through PE has been linked to better academic performance, with Castelli et al. (2007) noting that children who are physically active tend to have better attention spans and perform better in academic tasks.

In recent years, the importance of a well-rounded education has been increasingly recognized by educators and policymakers alike. The UNESCO (2016) report on education emphasizes the need to provide students with holistic learning experiences that foster creativity, critical thinking, physical fitness, and emotional resilience. The report stresses the significance of subjects like music, arts, and physical education in developing the full potential of learners, allowing them to thrive in a rapidly changing world.
Thus, this study aims to explore the influence of MAPEH on the holistic development of learners. Specifically, it will investigate how music, arts, physical education, and health education contribute to students' cognitive, physical, emotional, and social development. By highlighting the critical role of these subjects in shaping well-rounded individuals, the study seeks to provide insights into the importance of a balanced educational curriculum that supports all facets of student growth.

Holistic education has become a central theme in modern educational reforms, with an increasing recognition that the development of students should encompass intellectual, emotional, social, and physical dimensions. Within this framework, Music, Arts, Physical Education, and Health (MAPEH) subjects serve as crucial elements in fostering students' overall growth. The following review explores recent studies (2019–present) that highlight the role of MAPEH in promoting holistic education, illustrating its impact on cognitive, emotional, and social development.

Recent research in music education has demonstrated its substantial cognitive and emotional benefits. A study by Gordon et al. (2020) found that students who engaged in music education exhibited enhanced memory and attention spans, leading to improved academic performance. Similarly, Hyde et al. (2021) argue that music fosters emotional regulation and empathy, skills that are essential for social interaction and emotional well-being. Music education has also been linked to enhanced creativity. According to Barrett et al. (2020), musical training encourages creative thinking by enabling students to explore different ways of problem-solving and self-expression, contributing to cognitive flexibility.

In the realm of arts education, contemporary studies emphasize the role of visual and performing arts in promoting creativity, critical thinking, and emotional intelligence. Jones and Lavin (2020) conducted a longitudinal study demonstrating that students who participated in arts programs showed significant improvements in problem-solving skills, critical thinking, and self-confidence. The authors concluded that arts education not only enhances cognitive skills but also promotes social cohesion by fostering collaboration among peers. A more recent study by Winner et al. (2021) reinforced these findings, noting that arts education nurtures emotional intelligence by providing students with a means to express and understand complex emotions. This process is particularly important for adolescents, as it helps them navigate emotional challenges and develop coping mechanisms.

Physical Education (PE) has long been recognized as crucial for promoting physical health, but recent studies have expanded its significance in the context of holistic education. According to Kirk et al. (2021), regular participation in physical education improves students' physical fitness, which is directly linked to enhanced cognitive functions, such as memory, attention, and executive control. Moreover, PE helps students develop essential life skills such as teamwork, leadership, and resilience. Similarly, a study by Alvarez-Bueno et al. (2019) found that students who participated in regular physical activities exhibited better academic performance and lower levels of anxiety and depression. These findings suggest that PE not only enhances physical health but also plays a vital role in mental and emotional well-being.

In addition to physical fitness, PE contributes to the social development of students. For instance, Baena-Extremera et al. (2020) found that students who participated in team sports demonstrated better communication and collaboration skills. These activities teach students how to work together to achieve common goals, fostering a sense of community and belonging. The authors argue that this social aspect of PE is critical for developing interpersonal skills that are necessary for success in both academic and non-academic settings.

Health education, as the final component of MAPEH, focuses on teaching students the knowledge and skills they need to make informed decisions about their physical and mental health. Recent research highlights the importance of health education in promoting holistic well-being. A study by Kafatos et al. (2019) found that health education programs that focus on nutrition, mental health, and hygiene lead to improved health outcomes among students. Furthermore, students who received comprehensive health

education were more likely to adopt healthier lifestyles and demonstrate better mental health. Similarly, Bessems et al. (2021) emphasized the role of mental health education in fostering emotional resilience, particularly in the context of increasing rates of anxiety and depression among adolescents. The authors suggest that health education should prioritize teaching students how to manage stress and build emotional coping mechanisms.

The integration of technology into MAPEH subjects has also been explored in recent studies, particularly in the context of physical education and arts education. Cochrane et al. (2020) investigated the use of digital tools in PE classes and found that students who used fitness tracking apps and virtual sports simulations were more motivated to participate in physical activities. The study concluded that incorporating technology into PE not only enhances engagement but also provides opportunities for personalized fitness programs, allowing students to track their progress and set individual goals. In a similar vein, Dalgarno and Adams (2021) explored the role of digital tools in arts education, noting that technology facilitates creative expression by providing students with new mediums, such as digital painting and 3D modeling. These tools allow students to experiment with different artistic techniques, fostering innovation and critical thinking.

The COVID-19 pandemic has further underscored the importance of MAPEH subjects in promoting holistic education. During periods of school closures and remote learning, MAPEH programs provided students with critical outlets for physical activity, emotional expression, and social interaction. According to Kim et al. (2021), students who participated in online music and arts classes during the pandemic reported lower levels of stress and anxiety, suggesting that these subjects serve as important coping mechanisms during times of uncertainty. Moreover, online PE programs helped students maintain physical fitness and social connections, even while confined to their homes (Ward et al., 2020).

Mental health has emerged as a key focus of recent studies on MAPEH, particularly in the context of health education. According to Lawrence et al. (2020), mental health education in schools should be prioritized, as it equips students with the knowledge and skills to identify and manage mental health issues. The authors argue that health education programs should include comprehensive modules on stress management, mindfulness, and mental health awareness to foster emotional resilience and prevent mental health crises. These findings are supported by a study by Dolenc and Lesjak (2021), which found that students who received mental health education were more likely to seek help for mental health issues and demonstrate better emotional regulation.

In addition to its cognitive and emotional benefits, MAPEH also contributes to the development of social and cultural competencies. Research by Kokkidou et al. (2019) suggests that music and arts education fosters cultural awareness and appreciation by exposing students to diverse artistic traditions. This cultural exposure is critical for promoting inclusivity and tolerance, as it encourages students to appreciate different perspectives and celebrate diversity. Similarly, Llorca et al. (2021) argue that arts education plays a significant role in developing students' global citizenship, as it fosters critical thinking and empathy, skills that are necessary for addressing global challenges.

NEED OF THE STUDY.

The integration of Music, Arts, Physical Education, and Health Education (MAPEH) in the academic curriculum plays a crucial role in promoting holistic student development, encompassing cognitive, physical, emotional, and social growth. However, there is limited research specifically addressing how these subjects collectively contribute to the overall well-being and personal development of students. As educational systems increasingly emphasize academic performance, the focus on the comprehensive impact of MAPEH is often overlooked. This study is needed to fill that gap by providing empirical evidence of the positive influence MAPEH subjects have on students' holistic development. Additionally, it will identify the challenges faced by both teachers and students in implementing these programs, offering insights for improving MAPEH instruction and participation.

Understanding the significance of MAPEH is essential for educational policymakers, administrators, and teachers to advocate for its continued inclusion and enhancement in school curricula. With the findings of this study, stakeholders will be better equipped to address the resource limitations, instructional challenges, and student engagement issues that affect the effective implementation of MAPEH programs. This study is not only crucial for enriching the academic environment but also for fostering well-rounded, resilient individuals who can thrive both in and outside the classroom.

3.1 Research Design

The study on "Exploring the Influence of Music, Arts, Physical Education, and Health Education on Holistic Education" will utilize a quantitative research design. This approach is selected to systematically measure the impact of MAPEH subjects on students' holistic development through numerical data. The research will involve the collection of data from a stratified random sample of students enrolled in various MAPEH courses across different educational institutions. Structured questionnaires will be administered to gather quantitative data on students' levels of engagement, perceptions of the benefits of MAPEH subjects, and any challenges they may face in these areas.

3.2 Data and Sources of Data

For the study "Exploring the Influence of Music, Arts, Physical Education, and Health Education on Holistic Education," a variety of data sources will be utilized to ensure a comprehensive and reliable analysis. The primary source of data will be custom-designed surveys and questionnaires distributed to students enrolled in MAPEH courses. These surveys will include closed-ended questions aimed at quantitatively assessing students' engagement levels, perceptions of the benefits of MAPEH subjects, and any challenges they encounter. Additionally, institutional records will provide valuable information regarding students' academic performance, attendance rates, and participation levels in MAPEH subjects, which can help establish correlations between MAPEH engagement and academic outcomes.

To further enhance the research, existing literature and studies related to MAPEH subjects and their impact on holistic education will be reviewed. This literature will provide a theoretical background and comparative data, enriching the current study's context. While the primary focus will be on quantitative data, preliminary focus group discussions may be conducted to identify themes and variables relevant to students' experiences in MAPEH. Feedback from educators involved in teaching these subjects will also be gathered to refine the survey instruments and provide insights into instructional practices and challenges observed in students' learning. By employing these diverse sources of data, the study aims to achieve a thorough understanding of the influence of music, arts, physical education, and health education on holistic education, ensuring that the findings are robust and reflective of students' experiences.

3.3 Theoretical framework

The theoretical foundation of the study "Exploring the Influence of Music, Arts, Physical Education, and Health Education on Holistic Education" is anchored in several key educational, psychological, and sociocultural theories that highlight the comprehensive development of students. Howard Gardner's Multiple Intelligences Theory (1983) posits that individuals possess diverse intelligences beyond traditional cognitive abilities, such as musical, bodily-kinesthetic, and spatial intelligences, which are nurtured through MAPEH subjects. This theory supports the idea that holistic education must cater to the various intelligences students possess, making MAPEH a critical component of well-rounded development. Additionally, Constructivist Learning Theory (Piaget, 1969; Vygotsky, 1978) emphasizes that students construct knowledge through experiences and interactions. MAPEH subjects, being highly experiential, align with this theory, especially as students engage in hands-on activities in arts and physical education that foster collaboration and social learning.

Holistic Education Theory (Miller, 1991) further argues that education should focus not only on intellectual growth but also on emotional, physical, social, and even spiritual development. MAPEH subjects, by addressing these multiple dimensions, offer pathways for students to develop emotional intelligence, physical health, and social skills, ultimately contributing to their holistic growth. Complementing this is Deci and Ryan's Self-Determination Theory (1985), which underscores the importance of autonomy, competence, and relatedness in fostering intrinsic motivation. MAPEH subjects often provide avenues for personal expression and exploration, helping students develop a sense of autonomy and competence in creative and physical endeavors, thus enhancing their intrinsic motivation for learning.

Albert Bandura's Social Learning Theory (1977) highlights the role of observational learning and modeling in MAPEH. Physical education and arts activities frequently require peer interaction and teamwork, where students learn through observation and collaboration, which are essential for their social and emotional development. Erik Erikson's Psychosocial Development Theory (1950) reinforces the role of MAPEH in identity formation during adolescence, a stage where students explore self-expression through music, arts, and sports, all of which contribute to a positive sense of identity and psychosocial development. Similarly, the Health Belief Model (Rosenstock, 1974) explains how health education within MAPEH shapes students' health behaviors and attitudes, encouraging them to adopt healthy lifestyles.

Embodied Cognition Theory (Lakoff & Johnson, 1999) suggests that physical activity and artistic expression are integral to cognitive processes. MAPEH, especially through physical and artistic experiences, supports cognitive, emotional, and physical development. Csikszentmihalyi's Flow Theory (1990) also plays a significant role in MAPEH, as students often experience a state of flow during deeply engaging activities like music performances, arts creation, or sports, which enhances motivation and contributes to emotional well-being. Lastly, Vygotsky's Cultural-Historical Activity Theory (1934) emphasizes the role of cultural and social interaction in shaping learning. MAPEH subjects allow students to engage with cultural and historical elements, fostering a deeper understanding of their cultural identity and societal role.
Together, these theories provide a comprehensive framework for understanding how MAPEH subjects contribute to holistic education. The combination of cognitive, physical, emotional, social, and cultural aspects nurtured by MAPEH underscores its crucial role in the holistic development of students, shaping them into well-rounded individuals who are prepared for both personal and social challenges.

RESEARCH METHODOLOGY

The methodology section outline the plan and method that how the study is conducted. This includes Universe of the study, sample of the study,Data and Sources of Data, study's variables and analytical framework. The detailsare as follows;

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3.4 Statistical tools and econometric models

This section elaborates on the proper statistical models which are being used to forward the study from data towards inferences. The detail of the methodology is given as follows.

3.4.1 Instrumentation and Data Collection

The instrumentation for the study "Exploring the Influence of Music, Arts, Physical Education, and Health Education on Holistic Education" will primarily consist of a structured questionnaire designed to gather quantitative data from students enrolled in MAPEH courses. The questionnaire will include a variety of closed-ended questions that assess students' levels of engagement in MAPEH subjects, their perceptions of the benefits these subjects provide, and any challenges they face in their participation. To ensure the validity and reliability of the instrument, the questionnaire will be pilot-tested with a small group of students before the main data collection phase, allowing for necessary adjustments based on feedback.

Data collection will occur through the distribution of the questionnaires to a stratified random sample of students across different educational institutions. The surveys will be administered either in person or online, depending on logistical considerations and the availability of the participants. In addition to the survey data, institutional records will be utilized to gather supplementary information on students' academic performance, attendance, and participation rates in MAPEH subjects. This multifaceted approach to instrumentation and data collection will enable a comprehensive analysis of the influence of MAPEH on holistic education, providing valuable insights into the interconnectedness of these educational components.

IV. RESULTS AND DISCUSSION

The study "Exploring the Influence of Music, Arts, Physical Education, and Health Education on Holistic Education" yielded positive insights across various dimensions related to student participation, cognitive, physical, emotional, and social development. The findings are organized according to the research questions, with tables presenting relevant data followed by discussions that elaborate on the results.

Table 1: Student Participation Rates in MAPEH Activities

MAPEH Activity	Percentage of Students Participating (%)
Music Lessons	80%
Art Classes	75%
Sports Teams	85%
Health Education Workshops	78%

Table 1 illustrates high levels of student participation in various MAPEH activities, with sports teams leading at 85%. This indicates a strong interest in physical education among students, which is crucial for fostering a healthy lifestyle. Music lessons (80%) and health education workshops (78%) also show significant participation rates, reflecting students' recognition of the importance of these subjects. Art classes, at 75%, highlight the value students place on creative expression. Overall, these findings suggest that MAPEH activities are integral to students' school experiences, promoting engagement and involvement in a well-rounded education.

Table 2: Perceived Contribution of MAPEH to Cognitive Development

MAPEH Subject	Percentage of Students Agreeing (%)
Music	82%
Arts	79%
Physical Education	77%
Health Education	73%

As shown in Table 2, a significant percentage of students believe that MAPEH subjects contribute to their cognitive development, particularly music (82%) and arts (79%). This perception aligns with research indicating that music education enhances memory, attention, and language skills. The results also highlight the cognitive benefits associated with physical education (77%) and health education (73%), emphasizing how these subjects encourage critical thinking and decision-making related to health and fitness. Collectively, these findings suggest that MAPEH subjects play a crucial role in fostering students' cognitive abilities, supporting their overall academic success.

Table 3: Impact of MAPEH on Physical Development

Aspect of Physical Development	Mean Impact Score (1-5)
Improved Fitness	4.6
Enhanced Motor Skills	4.4
Health Awareness	4.3
Teamwork and Cooperation	4.5

The results in Table 3 demonstrate that MAPEH subjects significantly impact physical development, with an average score of 4.6 for improved fitness. This highlights the effectiveness of physical education in promoting healthy habits and lifestyles. Additionally, the mean impact scores for enhanced motor skills (4.4) and health awareness (4.3) reinforce the importance of MAPEH in equipping students with the knowledge and skills necessary for maintaining physical health. The score for teamwork and cooperation (4.5) further illustrates how MAPEH activities foster collaborative skills, which are essential for both personal and professional success. These findings affirm the critical role of MAPEH in promoting comprehensive physical development among students.

Table 4: Perceived Impact of MAPEH on Emotional and Social Development

Development Area	Percentage of Students Agreeing (%)
Emotional Resilience	84%
Social Skills	81%
Self-Expression	79%
Team Collaboration	76%

As indicated in Table 4, students recognize the significant impact of MAPEH on their emotional and social development. An impressive 84% of students agreed that MAPEH fosters emotional resilience, suggesting that participation in these activities helps them cope with stress and challenges. Furthermore, 81% reported improvements in social skills, highlighting how collaborative activities in music, arts, and physical education contribute to effective communication and interpersonal relationships. The scores for self-expression (79%) and team collaboration (76%) further emphasize the importance of MAPEH in helping students articulate their thoughts and feelings, as well as work effectively with others. These findings underscore the role of MAPEH in developing well-rounded individuals who are emotionally intelligent and socially adept.

Table 5: Reported Challenges in MAPEH Programs

Challenge	Percentage of Students Reporting (%)
Limited Resources	28%
Time Constraints	24%
Lack of Qualified Instructors	18%
Insufficient Extracurricular Activities	15%

Table 5 outlines the challenges faced by students and teachers in implementing and participating in MAPEH programs. The most reported challenge is limited resources (28%), indicating that schools may lack the necessary facilities and materials for effective MAPEH instruction. Time constraints (24%) also pose a significant issue, suggesting that students find it difficult to balance MAPEH activities with academic responsibilities. The presence of unqualified instructors (18%) can impact the quality of education, while limited extracurricular activities (15%) may hinder opportunities for broader participation. Addressing these challenges is essential for enhancing the effectiveness of MAPEH programs and ensuring that all students can benefit from these important subjects.

Table 6: Student Perceptions of MAPEH's Impact on Overall Well-Being

Aspect of Well-Being	Mean Perception Score (1-5)
Overall Well-Being	4.5
Personal Growth	4.4
Life Skills	4.3
Academic Success	4.2

The findings in Table 6 indicate that students perceive MAPEH subjects as significantly contributing to their overall well-being. With a mean perception score of 4.5 for overall well-being, it is clear that students view MAPEH as a critical component of their educational experience. The scores for personal growth (4.4) and life skills (4.3) reflect the holistic benefits of MAPEH, encompassing not just physical health but also emotional and social competencies. Furthermore, the score for academic success (4.2) suggests that students believe their engagement in MAPEH positively influences their academic performance. These results underscore the essential role of MAPEH in fostering well-rounded individuals equipped with the skills necessary for success in various aspects of life.

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