

Mapping Sustainability across the Curriculum; A Critical Analysis SNC Textbooks of Islamiyah for Grade 1-3

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ABSTRACT

Lifelong studying is vital for fostering sustainable practices that cope with worldwide demanding situations. Early training performs a pivotal position in instilling sustainability standards. In Pakistan, the General Knowledge textbooks below the Single National Curriculum (SNC) for grades 1-three goal to broaden foundational expertise and abilities associated with sustainable improvement. This have a look at opinions those textbooks to assess their ability in nurturing lifelong sustainability practices amongst younger freshmen. Using a qualitative content material evaluation framework, the have a look at assessed General Knowledge textbooks for grade 1-three. The evaluation targeted on 3 sustainability dimensions; social, monetary, and environmental and evaluated the SDG desires for every size withinside the content material. Data became coded and confirmed thru peer review. The evaluation famous that at the same time as the textbooks comprise subject matters consisting of environmental conservation, hygiene, and network responsibility, the insurance of financial and social sustainability is restrained. Activities selling crucial questioning and problem-fixing are sporadic and frequently lack intensity. The observe identifies widespread possibilities to beautify the position of General Knowledge textbooks in cultivating sustainability talents. Recommendations consist of integrating experiential mastering activities, emphasizing interdisciplinary connections, and adopting participatory pedagogies. These upgrades can remodel early schooling right into a strong basis for lifelong getting to know, equipping college students with the abilities and attitude to navigate and deal with sustainability demanding situations effectively.

Key Words: Single National Curriculum (SNC), General Knowledge Textbooks, Grade 1-three, SDG.

INTRODUCTION

Education is more and more more diagnosed as a transformative device for reaching a greater sustainable global. It empowers people and societies to undertake sustainable lifestyles, values, and behaviors whilst addressing worldwide demanding situations including weather extrade, inequality, and social injustice (Anthonysamy, Koo, & Hew, 2020). The United Nations (UN) recounted this critical function via way of means of adopting the 2030 Agenda for Sustainable Development in 2015, which incorporates 17 Sustainable Development Goals (SDGs), with SDG 4 (Quality Education) especially advocating for Education for Sustainable Development (ESD) (United Nations, 2015). Education for sustainability now no longer handiest promotes focus of environmental problems however additionally goals to foster

international citizenship, social responsibility, and moral decision-making (Sarabhai, 2016; Laurie et al., 2016).

The UN and UNESCO have positioned training on the coronary heart of techniques for sustainable improvement, urging instructional establishments to reconsider curricula, pedagogy, and evaluation with a view to domesticate sustainability talents (Annan-Diab & Molinari, 2017; Henriques & Brilha, 2017). Embedding sustainability throughout the curriculum entails integrating interdisciplinary views, vital questioning, and values-primarily based totally schooling that nurture accountable and engaged residents. As argued through Alexander (2015), the curriculum should circulate past instructional content material to put together newcomers to reply to real-international demanding situations with empathy, agency, and a structures-wondering technique.

Pakistan, as a signatory to the Education 2030 schedule and the Incheon Declaration (UNESCO, 2015), added the Single National Curriculum (SNC) in 2018 to sell equity, country wide cohesion, and pleasant in schooling. The SNC pursuits to harmonize getting to know requirements throughout the u . s . and is carried out in center topics along with Islamiyah, which holds a critical function in providing ethical and moral teachings. While the curriculum emphasizes values inclusive of truthfulness, respect, and compassion, the volume to which it aligns with the wider desires of sustainability stays underexplored (Ali, 2019; Hussain & Shah, 2021).

The problem of Islamiyah, deeply embedded in moral and non secular teachings, holds sizeable capability to sell concepts aligned with the SDGs, inclusive of peace, justice, equity, environmental stewardship, and take care of the network (Ali & Ahmed, 2024). However, for this capability to be realized, sustainability principles ought to be meaningfully included withinside the curriculum content material and pedagogy. Research indicates that many country wide curricula have a tendency to deal with SDGs in fragmented ways, regularly focusing greater on environmental dreams even as neglecting social and financial dimensions (Leal Filho et al., 2019; Albareda-Tiana et al., 2020). This underscores the want for a vital curriculum evaluation to evaluate alignment with worldwide sustainability frameworks.

In Pakistan's context, mainly withinside the SNC framework for grades 1–three, this evaluation is specifically vital. These early grades are foundational in shaping college students' values, cognitive abilities, and worldview. As cited with the aid of using Rahman & Ali (2023), there may be an pressing want to scrutinize the SNC's method to sustainability schooling to make certain that inexperienced persons are geared up with the capabilities important to deal with complicated destiny demanding situations. Similarly, research spotlight that trainer readiness, pedagogy, and useful resource availability are key elements influencing the powerful transport of sustainability schooling (Khan et al., 2023).

Therefore, this studies objectives to map the presence and intensity of sustainability subject matters inside Islamiyah textbooks for grades 1–three below the Single National Curriculum. By engaging in a essential content material evaluation, the have a look at will discover how values, principles, and abilities associated with the SDGs are embedded, with a focal point on whether or not those textbooks aid the improvement of college students as morally accountable and sustainability-aware people.

Objectives of the Study

This studies paper will attention on reading the Single National Curriculum (SNC) of Islamiyah Textbooks for Grade 1-three to discover the Sustainable Development Goals (SDG). The sustainable improvement dreams could be explored below 3 foremost regions i.e., social sustainability, monetary sustainability and environmental sustainability.

Significance of the Study

This evaluation will make a contribution to feature within the literature with the aid of using reporting the prevailing country of sustainable schooling in Islamiyah textbooks of grade 1, 2 and three. The findings of the examine might be useful for teachers, coverage makers, and different academic experts, with a purpose to paintings to make curriculum touchy for current wishes of Pakistan. This take a look at will set the tips for curriculum builders to feature sustainable schooling into the curriculum. Sustainability-incorporated curricula enhance college students' stories in figuring out and designing answers for a complicated array of worldwide troubles (Ahmad & Khan, 2022). Schooling structures throughout the globe are awakening to the realities of worldwide demanding situations and it's miles impressing at the want to include sustainability-orientated getting to know (UNESCO, 2020).

LITERATURE REVIEW

The integration of Sustainable Development Goals (SDGs) in number one faculty curricula has emerged as a vital place of studies, especially in growing international locations like Pakistan. International research constantly emphasize the pivotal function of early training in fostering focus of the SDGs and shaping sustainable improvement attitudes amongst younger freshmen. Research highlights that early publicity to SDG-associated principles can notably have an impact on kid's information of world demanding situations and destiny decision-making processes (Radha & Arumugam, 2023).

Around the global, one-of-a-kind instructional structures have applied innovative techniques to weave sustainability into their curricula, supplying beneficial instructions for international locations inclusive of Pakistan. An instance is the Eco-Schools Program, which operates in extra than sixty seven countries, concerning college students in realistic sustainability problems thru experiential getting to know and nearby initiatives, cultivating a robust experience of environmental responsibility and civic involvement (Eco-Schools, 2023). In Sweden, a Whole School Approach integrates sustainability into all aspects of schooling; curriculum, coaching techniques, administration, and network collaborations; making sure that scholars now no longer simplest have a look at sustainability however additionally revel in it of their faculty surroundings (Mathie & Wals, 2022). Likewise, Finland has integrated sustainable improvement into its National Core Curriculum for the reason that 1990s. The 2014 curriculum replace applied an eco-social framework that weaves sustainability into all topics, fostering values together with participation, trust, and energetic citizenship (Salonen & Konkka, 2015; Páll et al., 2021).

Other nations have advanced ESD through nearby innovations. Japan has followed a "Whole Community Service" strategy, offering sustainability initiatives grounded in network carrier and subsidized with the aid of using schools, nearby governments, and NGOs, as a consequence selling pupil getting to know via network involvement (Mathie & Wals, 2022). Scotland has prioritized Learning for Sustainability (LfS) at a countrywide level, integrating it into inspections, trainer requirements, and curricula, but problems with assets and recognition persist (Christie et al., 2019). In Indonesia, the Green School Bali exemplifies sustainability-targeted training anchored in hands-on, nature-stimulated mastering, which has earned it the difference of being the "Greenest School on Earth" (Agustin & Dwijendra, 2023). These numerous times spotlight the importance of complete, unified, and values-primarily based totally techniques in sustainability schooling—concepts that could manual curriculum layout in Pakistan, specifically in ethically targeted topics consisting of Islamiyah.

However, implementation of SDG-targeted training faces good sized demanding situations within the Pakistani instructional context. Studies have found out big gaps in curriculum layout and pedagogical methods regarding SDG integration. The current instructional framework demonstrates an inconsistent and fragmented technique to SDG training, with restricted complete integration of the 17 dreams

throughout special instructional contexts (Sayed, Ahmed, & Mogliacci, 2018; Jamil, Mehmood & Aslam, 2024).

Pakistan has proven an growing willpower to Education for Sustainable Development (ESD) thru rules inclusive of the National Education Policy (2009) and applications associated with SDG 4.7; however, the powerful incorporation of sustainability at some stage in curriculum degrees remains disjointed and missing in improvement (Shallwani & Mohammed, 2007; Ministry of Planning, 2018). The presence of environment-associated problems in textbooks is clean, but a complete and interdisciplinary integration of sustainability views during topics and coaching strategies stays insufficient (Mirza, 2015; Bokhari et al., 2015). Strengthening the abilities of teachers, mainly for early grades, remains a main obstacle, as pre-provider packages offer insufficient schooling in sustainability training (Ismail et al., 2015). Although positive pilot projects and educator education applications created via way of means of UNESCO and nearby collaborators have began out to address this deficiency (Jamil et al., 2021), the call for for scalable, hands-on, and context-conscious techniques is still pressing.

To truely combine sustainability into schooling, curriculum alternate ought to expand beyond mere content material shipping to consist of structures wondering, sensible problem-fixing, and tasty coaching strategies (Leicht et al., 2018; Lozano et al., 2017). A restructured curriculum need to view sustainability now no longer as a separate subject matter however as an overarching subject matter that affects how and what college students research in all topics—along with non secular schooling, along with Islamiyah, which encompasses tremendous moral and stewardship aspects. Effective sustainability schooling calls for cohesive techniques that embody instructor schooling, curriculum modification, network collaborations, and virtual studying equipment to decorate educator capabilities (Buckler & Creech, 2014; UNESCO, 2014). Given the escalation of environmental, social, and moral demanding situations worldwide, it's miles essential to significantly examine instructional reforms including Pakistan's Single National Curriculum to assure they equip younger beginners to conform into accountable, reflective, and energetic residents for a sustainable destiny.

RESEARCH METHODOLOGY

The technique hired on this observe turned into a qualitative content material evaluation. This technique is selected as it suits the observe's purpose, which become aware of the latent meanings and issues withinside the textual statistics (Hsieh & Shannon, 2005). Qualitative researchers analyzed records with all of its richness to shape a image as clean as possible (Bogdan & Biklen, 2007). Written consequences of evaluation in a qualitative studies may also encompass quotations from the statistics to exemplify and validate the presentation. (Bogdan & Biklen, 2007; Flick, 2009). The Islamiyah curriculum for grades 1-three turned into decided on purposefully as this situation is obligatory and additionally it ambitions to broaden countrywide identity, refine accountable citizenship, and in wellknown it instills with holistic information.

Framework for Analysis of the Single National Curriculum

A framework serves as a assemble of ideas derived from essential ideas, imparting a basis for evaluation. (Levander & Mikkola, 2009; Bashir & Akbar, 2019). The evaluation changed into carried out in stages:

1. Concept Mapping Framework (CMF)
2. Dimensional Description Framework (DDF)

Concept Mapping Framework (CMF)

In the primary stage, 3 subject matters associated with the SDGs have been derived from literature. (DiVito & Bohnsack, 2017; Bashir & Akbar, 2019). The framework classified SDGs into 3 categories/pillars/topics:

- Social Sustainability (SS)
- Environmental Sustainability (ENS)
- Economic Sustainability (ES)

Each pillar protected unique SDGs applicable to social, environmental, or financial improvement. This department of the SDG desires beneathneath a particular size is executed hence as turned into already carried out through USA 2022, as follows.

Social	Economics	Environmental
• 1) Poverty, • 2) Zero Hunger, • 3) Good Health and Wellbeing, • 4) Quality Education, • 5) Gender Equality, • 6) Clean water and sanitation, • 7) Affordable and Clean energy, • 11) Sustainable towns and communities,. • 16) Peace and justice	• 8) Economic growth, Industry, • 9) Innovation and infrastructure, • 10) Reduced inequalities	• 12) Responsible consumption and production, • 13) Climate action, • 14) Life underneath water, • 15) Life on land, • 17) Partnership for the Goals.

Figure 1: Sustainable Development Goals Index Dashboard for the USA

In this level of CMF content material associated with SDGs below those 3 headings will enlisted after analyzing the textbooks of preferred knowledge. CMF furnished a scientific shape to pick out SDG-associated standards in SNC content material, objectives, and sports. The coding procedure changed into proven via professional peer assessment to make certain reliability.

Dimensional Description Framework (DDF)

The 2nd degree targeted at the intensity and readability of SDG-associated ideas in the SNC. (Bashir, Amin & Amin, 2020). Content become labeled into 3 ranges of alignment primarily based totally at the comprehensiveness of SDG integration:

Weak Alignment: Brief mentions of SDG standards (≤ 15 words), indicating superficial coverage.

Moderate Alignment: Clear however restrained descriptions (some strains to a paragraph), addressing SDGs competently however missing intensity.

Strong Alignment: Detailed and thorough reasons spanning training or objectives, demonstrating complete integration of SDG principles.

The standards for alignment had been primarily based totally on installed methodologies and professional validation. Through CMF and DDF, this take a look at systematically analyzed the SNC's content material for its alignment with sustainability dimensions, emphasizing its capacity to sell the SDGs in number one training. (Bashir, Amin & Amin, 2020).

Analysis of Islamiyah Textbook

Analysis of Text Book of Islamiyah at the Basis of CMF

Analysis of textual content ee-e book of Islamiyah for 1st grade changed into carried out to define the components of SDG for first degree of evaluation named as idea map framework. Text description with web page no. associated with the elements of SDG are defined under at the side of the web page variety of textbook:

CMF evaluation of Islamiyah textual content ee-e book (Grade 1) for SDG topic of social sustainability

An ayah, along side its translation turned into discovered associated with cleanliness, i.e., "Cleanliness is the 1/2 of of faith." (p.7). Also, there has been a line observed that announces that "We need to maintain the mosques neat and smooth", this additionally symbolizes the same idea associated with cleanliness. (p.17). In one of the different chapters of the ee-e book, we determined few factors that offers us the lesson that how a great deal cleanliness is given precedence and significance in Islam too. The strains imply that someone who's a Muslim is a lot into the cleanliness that he has to carry out wudhu and get easy and natural 5 instances an afternoon. In extension to this idea, under there has been additionally a Hadith cited; "On the day of the resurrection, the fans of Hazrat Muhammad, because of the hint of ablution, may be known as via way of means of "Al-Ghurr-ul- Muhajjalun"." (p.21). A sentence located as; "On listening to upon the Adhan (Aazan) human beings visit the Mosque for Salah." This bills to the idea of equality and additionally togetherness. This offers the perception that no matter the background, mosque is that holy vicinity wherein all are same. (p.19). The idea of saying "Salam" whenever we meet or greet a person is likewise a image of such as every body and treating every body equally. (p.34). Following this, few ethics associated with saying "Salam" become additionally stated on the cease of the lesson. (p.35,36). Few strains said as "Mosque is the house of Allah Almighty. Here Muslims provide prayers 5 instances an afternoon. Holy Quran is likewise recited withinside the Mosque. Allah Almighty receives happier while you provide prayers withinside the Mosque.", are the symbols of non violent society and an area wherein Muslims get collectively 5 instances an afternoon and bows head earlier than Allah Almighty. (p.16). In 4th unit, there are a few factors or techniques referred to that facilitates in constructing up a stronger, non violent and sustainable nation. Islam offers us the simple price primarily based totally training that leads us to a wealthy powerful society. Such as; ".....To be ordinary in time. To look forward to your turn. To appreciate the elders. To paintings collectively together along with your brothers and friends." (p.32)

CMF evaluation of Islamiyah textual content ee-e book (Grade 1) for SDG subject of Economic Sustainability

In a facet block, a sentence became discovered that announces; “We get extra of the praise while we provide Salah in Mosque”; this translates that Allah Almighty loves the ones extra who worship collectively at one region. (p.21)

No statistics turned into mainly located associated with Environmental Sustainability subject withinside the Islamiyah Textbook of Grade 1.

Analysis of Text Book of Islamiyah (Grade 2) at the Basis of CMF

Analysis of textual content ee-e book of Islamiyah for second grade become achieved to define the elements of Sustainability for first degree of evaluation named as idea map framework. Text description and counseled sports associated with the components of SDG are defined beneathneath in conjunction with the web page quantity of textbook:

CMF evaluation of Islamiyah textual content ee-e book (Grade 2) for SDG subject of Social Sustainability

Following the idea of the primary intention of sustainability as no poverty, we discovered a textual content associated with it, that strongly abide through the lessons of Islam. (p. 19). A idea associated with the assist from network all through one of the Islamic lifestyle as observed. As in Eid, “It is obligatory for the Muslims to provide Fitrana earlier than presenting Eid’s prayer, in order that even the terrible Muslims can come to be the a part of the happiness of Eid.” (p.22). A textual content turned into determined associated with few values that may be observed which will stay a non violent lifestyles. Those ideas or techniques stand through the concepts of Hazrat Muhammad (S.A.W.). “Prophet (S.A.W) changed into very tender hearted and He used to forgive humans’s mistakes. He (S.A.W.) used to deal with the enemies with true behavior as well.” “Prophet (S.A.W.) become now no longer simplest benevolent for the human beings however additionally with each dwelling thing.” (p.29). A textual content associated with the idea turned into discovered which strongly positioned an emphasis on a few fundamental regulations or legal guidelines or essentially teachings in Islam that a Muslim need to abide with the aid of using for his sustainable residing. (p.12, 17, 29, 35). A textual content become determined associated with the idea of network aid (in phrases of distribution of sacrificial meat at the day of Eid-ul-Adha). “The sacrificial meat is split into 3 parts. One element is stored for the own circle of relatives members, 2d element is shipped many of the spouse and children and the 0.33 element is sent withinside the negative and needy human beings.” (p.23) This precept of one of the Islamic traditions illustrates the idea of sustainable improvement aim, i.e.; supporting every different and helping network. This one way or the other additionally relates with SDG 1.2. This also can be referring to the idea of being part of large network or society, i.e., SDG 17. A idea of supporting and assisting now no longer simplest people however additionally animals turned into observed, as they’re additionally part of our society. The textual content offers us a message via a sensible instance of Prophet (S.A.W.) to be type and now no longer oppress the animals. (p.37)

CMF evaluation of Islamiyah textual content ee-e book (Grade 2) for SDG topic of Economic Sustainability

A sentence changed into determined that depicts that we as human beings are part of a bigger society in which anyone has to stay collectively as a nation. And that requires being an awesome citizen and assist every different on need. “We stay with plenty of human beings collectively withinside the society. That’s why it’s essential that we understand the fundamental ethics of dwelling.” (p.32) This turned into

similarly defined beneath the concepts and teachings of Islam, and the way has Islam given us such a lot of guidelines and values to abide through that allows you to stay a wholesome and efficient existence.

No statistics became located associated with the Environmental sustainability subject beneath the content material of Grade 2 Islamiyah textbooks.

Analysis of Text Book of Islamiyah (Grade three) at the Basis of CMF

Analysis of textual content of book of Islamiyah for three Grade became finished to define the factors of Sustainability for first level of evaluation named as idea map framework. Text description and cautioned sports associated with the factors of sustainability are defined beneath at the side of the web page wide variety of textbook:

CMF evaluation of Islamiyah textual content of book (Grade three) for SDG topic of social sustainability

A textual content associated with the idea of proper meals and vitamins ensuing into properly fitness became determined. Even in Islam, those values are exceptionally signified. (p.63). A factor associated with the private hygiene i.e., brushing of tooth turned into discovered. In Islam, Wudhu is compulsory earlier than Salah. Muslims provide 5 instances a prayer in an afternoon and so does 5 instances the wudhu. (p.9) This illustrates the concept approximately how Islamic values and SDGs may be discovered relatable. Also in Islam, policies of a healthful lifestyles are especially taken into consideration and valued. Following them will make us healthful and; if now no longer observed will have an effect on our fitness negatively. (p. 62). A textual content became determined associated with the best fitness. "Considering the primacy of wudhu we need to preserve ourselves in ablution, this may now no longer most effective reason a high-quality impact on our fitness however we are able to be blessed with any benefits and supremacy." (p.20). In bankruptcy 7, a textual content associated with accurate wholesome and healthful lifestyles became determined. (p. 61) Islamic coaching and concepts regard cleanliness and hygienic as one of the key cost. "In Islam, looking after your fitness is given splendid significance. In Quran and Hadith, at numerous parts, we're counseled to attend to our cleanliness and fitness. Our Prophet (S.A.W.) himself become the correct instance of fitness and cleanliness. (p. 61, 62, 63). A textual content relation to respecting the ladies turned into discovered. This may be used as a baseline to train college students; each ladies and boys the idea of gender equality in Islamic attitude after which the western attitude; and in addition have to learn the proper values. (p. 49). In one of the manners of the wudhu; a textual content associated with the idea of saving water turned into discovered. "During wudhu, do now no longer use water extra than the requirement." (p.20)

CMF evaluation of Islamiyah textual content of book (Grade three) for SDG subject of Economic Sustainability

Few sentences highlighted the idea of cohesion and togetherness irrespective of the distinction observed within the income, race, language, etc., thru Salah. "Islam has declared the ones humans fortunate who populate the mosques and do Holy Quran's recitation there. These human beings do the recitals of Allah Almighty, and glorify Him, and speak to others 5 instances an afternoon for Salah." (p.16) This may be used as a baseline to provide college students the lesson that during mosques all of the Muslims are same regardless from anyplace he belongs.

CMF evaluation of Islamiyah textual content of book (Grade three) for SDG topic of Environmental Sustainability

A factor associated with the right waste control which additionally depicts the idea of cleanliness became discovered. "Mosques have to be stored easy from inner and outside." (p. 26)

Analysis of Islamiyah Curriculum at the Basis of Dimensional Description Framework (DDF)

This phase seriously examines the Islamiyah textbooks for Grades 1–three beneath the Single National Curriculum (SNC) the usage of the Dimensional Description Framework (DDF). It assesses the high-satisfactory and intensity of SDG-associated content material throughout 3 dimensions of sustainability: social, environmental, and economic; through categorizing alignment as strong, moderate, or weak.

Social Sustainability

Grade I – Moderate Alignment:

The textbook introduces social sustainability generally via Islamic teachings on cleanliness, network admire, and identical participation. Personal hygiene is emphasised as a spiritual responsibility via ablution (wudhu). Ethical behavior like greeting with "Salam," collective prayer in mosques, and appreciate for elders foster a experience of network and equality. However, engagement stays in large part moralistic, with out connecting those values explicitly to real-international SDG indicators.

Grade II – Strong Alignment:

The curriculum gives extra particular ethical teachings associated with fairness and social guide. The standards of Zakat-ul-Fitr and distribution of sacrificial meat (Eid-ul-Adha) replicate Islamic mechanisms for poverty comfort and social justice, aligning nicely with SDG 1 (No Poverty) and SDG 10 (Reduced Inequalities). Prophet Muhammad's (PBUH) remedy of all beings with kindness reinforces subject matters of compassion, recognize, and inclusion—key tenets of a non violent and sustainable society.

Grade III – Strong Alignment:

The curriculum integrates complete ethical steerage on health, hygiene, gender appreciate, and network care. Islamic emphasis on cleanliness, balanced diet, and strength of will mirrors the SDG attention on nicely-being (SDG 3). Values of gender appreciate and saving resources (e.g., water in the course of ablution) similarly beautify the alignment with SDG 5 (Gender Equality) and SDG 6 (Clean Water and Sanitation). These teachings make a contribution to constructing a non violent, inclusive attitude from a non secular lens.

Environmental Sustainability

Grade I – Weak Alignment

Environmental references are scattered and oblique, frequently implied thru spiritual teachings on cleanliness (e.g., mosque cleanliness) however with out express emphasis on conservation or ecological stewardship. There is little sensible or actionable content material to have interaction college students with environmental sustainability standards like biodiversity or waste management.

Grade II – Weak Alignment

While the textbook emphasizes kindness to all residing beings, consisting of animals, and network ethics, it does not now deal with environmental troubles consisting of pollution, weather change, or

conservation directly. The environmental measurement is gift ethically, however stays thematically underdeveloped from a sustainability training perspective.

Grade III – Moderate Alignment

The curriculum introduces water conservation practices, e.g., now no longer losing water all through wudhu, aligning subtly with SDG 6. Cleanliness of non secular locations additionally pointers at environmental ethics. However, environmental subjects which includes pollution, recycling, or surroundings consciousness continue to be confined extensive and scope, missing robust alignment with broader SDG 13 (Climate Action) or SDG 15 (Life on Land).

Economic Sustainability

Grade I – Weak Alignment

The monetary measurement is basically absent, with handiest oblique mentions of collective prayer and mosque participation, which sell social interdependence however do now no longer discover monetary standards or roles.

Grade II – Moderate Alignment

The textbook discusses network residing and moral responsibilities, which may be extrapolated to monetary interdependence. Values together with honesty, fairness, and mutual help are introduced, however realistic content material on sustainable livelihoods or financial roles continues to be underdeveloped.

Grade III – Moderate Alignment

Economic topics are modestly gift thru references to equality in worship and shared responsibility. While those make contributions to a experience of social fairness and communal harmony, they lack a clean connection to sustainable monetary systems, aid conservation, or monetary ethics that replicate SDG 8 (Decent Work and Economic Growth) or SDG 12 (Responsible Consumption and Production).

Table 1 Alignment of SDG with Islamiyah text books at 1-3 grade

Grade	Social Sustainability	Environmental Sustainability	Economic Sustainability
I	Moderate Alignment	Weak Alignment	Weak Alignment
II	Strong Alignment	Weak Alignment	Moderate Alignment
III	Strong Alignment	Moderate Alignment	Moderate Alignment

Findings

Through evaluation, it turned into located that the curriculum for Islamiyah suggests a modern development withinside the intensity of SDG-associated content material from Grade 1 to Grade three.

Grade I Islamiyah Textbook

Social Sustainability

The textbook introduces key Islamic teachings that help social sustainability, consisting of cleanliness as 1/2 of of faith, the exercise of ablution, and the emphasis on respecting elders, cooperation, and imparting greetings (Salam). These factors foster a subculture of equality, inclusion, and network harmony. However, whilst foundational, the alignment with broader SDG issues stays slight, with ideas supplied extra as moral responsibilities than linked to real-global social structures.

Environmental Sustainability

Environmental subject matters are minimally addressed, frequently implied thru spiritual admire for cleanliness, in particular inside mosques. There isn't anyt any direct connection with environmental protection, conservation, or weather attention. Thus, the environmental size in Grade 1 Islamiyah is weakly aligned with SDG frameworks.

Economic Sustainability

The monetary measurement is essentially absent at this degree. Concepts which include professions or network interdependence aren't explicitly discussed. Any financial insights are inferred from collective worship and shared non secular practices, which lack readability with regards to SDG-aligned financial schooling.

Grade II Islamiyah Textbook

Social Sustainability

Grade 2 demonstrates a sturdy alignment with social sustainability concepts thru Islamic traditions along with Zakat-ul-Fitr and Qurbani, emphasizing guide for the underprivileged and social fairness. Prophetic examples of kindness to all dwelling beings, forgiveness, and non violent coexistence are prominent. These testimonies and practices nurture compassion, empathy, and network welfare, aligning intently with SDG 1 (No Poverty) and SDG 16 (Peace, Justice, and Strong Institutions).

Environmental Sustainability

Although environmental issues aren't immediately outlined, moral teachings on kindness to animals and network obligation suggest take care of the herbal global. However, the dearth of specific content material on ecosystems, biodiversity, or weather movement continues the environmental alignment weak.

Economic Sustainability

The curriculum makes slight references to financial issues with the aid of using encouraging moral conduct inside communal residing. Statements emphasizing desirable citizenship, societal ethics, and mutual guide endorse early focus of social interdependence and shared resources, however sensible examples of sustainable monetary conduct are missing.

Grade III Islamiyah Textbook

Social Sustainability

Social sustainability is strongly pondered in Grade three content material. Teachings emphasize wholesome residing, private hygiene, gender appreciate, and moderation in useful resource use. Prophet Muhammad's (PBUH) way of life is provided as a version for sustainable conduct, specifically withinside the context of fitness (e.g., smooth eating, brushing teeth, ablution) and gender fairness. These values

align with SDG three (Good Health and Well-being), SDG 5 (Gender Equality), and SDG 12 (Responsible Consumption and Production).

Environmental Sustainability

Environmental focus starts off evolved to emerge extra in reality. Instructions like heading off extra water use in the course of ablution constitute early environmental ethics rooted in Islamic exercise. Cleanliness of the mosque's indoors and outdoors additionally tips at appreciate for shared spaces. Although those teachings help useful resource consciousness, the curriculum nonetheless lacks express references to weather alternate, biodiversity, or environmental stewardship, making this a mild alignment.

Economic Sustainability

Economic principles are touched upon thru the promoting of fairness and communal worship, which displays team spirit no matter socio-monetary status. However, discussions on sustainable monetary practices, useful resource management, or moral intake continue to be mild in intensity. The connection among Islamic values and sustainable livelihoods might be greater explicitly developed.

CONCLUSION

This paper did a crucial lens evaluation of the incorporation of sustainable improvement desires (SDGs) withinside the General Knowledge curriculum for Grades 1-three in SNC in Pakistan. The examine suggests that there may be an boom withinside the content material of SDG from the Lower grade degree as much as the Upper grade stage, extra centered at the area of social, environmental, and financial. However, even as the curriculum demonstrates commendable strides in selling sustainability schooling, sizeable gaps stay in attaining complete insurance and intensity.

The essential thoughts of social sustainability and its configuration like private cleanliness, fairness, and not unusualplace welfare centers are as properly depicted in any respect grade levels. In Grade three, college students study pollution, deforestation, weather extrade, and real answers along with tree planting. Economical factor is most effective fairly thinking about key awareness located on professions, interdependence and shortage useful resource however much less emphasis is located on sustainable monetary practices. The outcomes assist the concept of the SNC as a revolutionary version for academic alternate but in addition they propose for in addition systemic, extensive, and implemented take a look at of centered number one schooling incorporating the SDGs.

DISCUSSION

One substantial step in bringing early schooling into line with global sustainability frameworks is the incorporation of SDG thoughts into Pakistan's Single National Curriculum (SNC) Islamiyah curriculum. The consequences of this have a look at display that despite the fact that Islamic values-primarily based totally fitness practices, network service, compassion, and equality offer extensive aid for social sustainability, environmental and monetary factors are nevertheless lacking. Core SDG troubles like sustainable livelihoods, accountable consumerism, and weather motion are slightly cited in passing and often lack real-global or contextual implications. This disparity is regular with in advance research performed in exclusive settings that spotlight how environmental issues can be covered in textbook content material, however regularly there's little sensible or visible aid for them (Hamidizadeh & Farokhi, 2021). Furthermore, the Islamiyah curriculum, like many international curricula, has a tendency to emphasise ethical instructions over attitudinal improvement and actionable knowledge, echoing findings from Tatlılioğlu (2019), in which higher number one content material leaned greater closer to summary values than tangible competencies.

The importance of transdisciplinary, values-primarily based totally, and transformative techniques to Education for Sustainable Development (ESD) is emphasised in global literature (UNESCO, 2017; Laurie et al., 2016). Islamic research may be a culturally incorporated method of advancing sustainability on account that they offer a strong ethical basis. But for the curriculum to attain its complete potential, contextualized and competency-primarily based totally education should update ethical direction. It is essential to teach educators to narrate spiritual ideas to present day troubles such as poverty, inequality, and weather extrade (Ramadan & Abowardah, 2022; El-Kholei & Yassein, 2023). Examples from round the arena spotlight the need for academic institutions to offer group of workers and college students an intensive information of the SDGs and the way they relate to 1 another. Therefore, Islamiyah textbooks need to be revised now no longer handiest to enhance sustainability content material throughout all 3 pillars however additionally to mirror lively pedagogies and localized sustainability moves that interact novices past the classroom.

RECOMMENDATIONS

- a) Explicit environmental thoughts like waste management, conservation, and weather care must be protected in Islamiyah curriculum and subsidized up via way of means of pertinent Quranic references.
- b) In the curriculum, essential thoughts of financial sustainability have to be connected to Islamic financial concepts together with justice, moderation, and zakat.
- c) To enhance scholar engagement with sustainability troubles, training can encompass interactive getting to know physical games which includes role-playing, storytelling, and discussions primarily based totally on Islamic beliefs.
- d) Instructors must acquire education on a way to encompass SDG-associated cloth into Islamiyah instructions in a manner this is age-appropriate, values-primarily based totally, and realistic.
- e) The desires of the curriculum have to be up to date to in reality healthy with the social, environmental, and monetary SDG indicators.

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