



Computer and Mathematics

Course Code: ED/B/7102-

**Competency based Education and
Training Curriculum**

Group One Work

GROUP MEMBERS

1. Kiplangat Kirui- 2025HA162537
2. Waluchwati Wafula Denis- 2025CS162306
3. Cheronoh Koech Faith- 2025CS162262
4. Chepkwony Kenneth Kibet- 2025CS162862
5. Denis Kipkurui- 2025CS162265
6. Kipkirui Phineaus- 2025CS162651

QN: Discuss in details various curriculum dimensions

Definition: Curriculum dimensions are specific aspects or components of a curriculum that determine how education is designed, delivered and assessed.

Types of Curriculum Dimensions

There are three main types of curriculum dimensions namely:

- ✓ Formal
- ✓ Informal
- ✓ Non-formal

Formal Curriculum Dimension

These are officially planned and structured educational experiences designed by educational authorities such as school boards.

They ensure that learning is systematic and goal oriented.

Types of formal curriculum dimensions

- ✓ **Pedagogical/instructional** dimension- this one covers teaching methods, instructional strategies and approaches used to deliver the curriculum content.
- ✓ **Content/subject** dimension- it focuses on specific subjects and knowledge areas which students must learn such as English, mathematics etc.
- ✓ **Assignment/Evaluation** dimension- this dimension involves grading, testing and other forms of assessing student's knowledge and skills to measure learning outcomes.

Types of formal curriculum dimensions cont.'

- ✓ **Policy/administrative dimension-** it includes the regulations, policies, and guidelines set by educational authorities to standardize learning experiences.
- ✓ **Structural/organizational dimension-** this deals with how the curriculum is structured including subject sequences, grade levels and time allocations for different subjects.
- ✓ **Technological dimension-** this dimension integrates digital tools, e-learning platforms and educational technologies to enhance learning and teaching.
- ✓ **Cultural and Ethical dimension-** ensures that the curriculum reflects societal values, ethics and cultural diversity promoting responsible citizenship.

Informal Curriculum Dimension

This refers to the unstructured, unplanned learning experiences that students acquire outside the formal classroom setting.

It includes values, skills, attitudes and knowledge gained through social interactions, extracurricular activities and day to day experiences.

Types of Informal Curriculum dimension

- ✓ **Cultural** dimension- it involves knowledge, traditions and values acquired from society and cultural practices.
- ✓ **Social** dimension- Involves learning through peer interactions, friendships and socialization in school and community setting.
- ✓ **Behavioral** dimension- involves development of character, discipline and social norms through observation and participation in day to day activities.
- ✓ **Experiential** dimension- it involves hands on learning through real life experiences such as travel, volunteering and work exposure.

Types of Informal Curriculum dimension cont.'

- ✓ **Technological** dimension- involves informal leaning through digital platforms, social media and online communities.
- ✓ **Recreational** dimension- involves skills and knowledge gained through sports, arts, music and hobbies outside the formal education.
- ✓ **Moral and ethical** dimension- involves learning values, ethics and decision making skills through role models, and real life situations.

Non-Formal Curriculum Dimension

This refers to structured learning, experiences that occur outside the traditional system of schooling but are still organized and intentional.

Types of Non-Formal Curriculum Dimension

- ✓ **Community education** dimension- this involves learning that take place in community settings such as workshops, awareness campaigns and self improvement programs.
- ✓ **Vocational/Skill based** dimension: focuses on job related skills, technical training and hands-on learning such as apprenticeship programs, and trade schools.
- ✓ **Health and well-being** dimension- involves programs related to health education, hygiene, fitness and mental will-being.
- ✓ **Lifelong learning** dimension- involves continuous education for personal and professional growth i.e. online courses, evening classes and adult literacy programs.
- ✓ **Technological and digital learning** dimension- involves training in computer skills, coding and digital literacy offered through non-formal education programs.

Types of Non-Formal Curriculum Dimension

cont.'

- ✓ **Cultural and artistic** dimension- learning experiences related to music, art, drama, and traditional crafts outside the formal education setting.
- ✓ **Citizenship and civic engagement** dimension- focuses on leadership, social responsibility and civic duties such as youth programs and environmental awareness campaigns.

**THANK
YOU**

