Tutor Professional Development Handbook: B.Ed. in Initial Teacher Education - Social Science Year 3 Semester 1

HANDBOOK FOR TUTORS





Wisdom, Knowledge and Prudence







The Government of Ghana







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Foreword

In Ghana we have made great strides in transforming our teacher education system over the past few years. With each passing year the changes brought about through these reforms are maturing, embedding, and sustaining. Once the first B.Ed. graduates from Colleges of Education enter basic school classrooms from 2022 onwards, I am sure that as a nation, we will truly start to see the benefits of these reforms.

The success of national reforms depends on individual tutors and individual teachers working in classrooms across the country every day. The progress that we want to see will only be brought about through the consistent and regular application of the professional knowledge, professional practice and professional values and attitudes set out in the National Teachers' Standards.

This is where the Tutor Professional Development Handbooks have such an important role to play, and it is very pleasing to see the continued development and use of these handbooks as we enter the 3rd Year of the B.Ed. in Initial Teacher Education.

These Handbooks aim to ensure that tutors in Colleges of Education are reflecting critically on their methods of teaching and learning and supporting each other to implement the B.Ed. in line with the National Teacher Education Curriculum Framework and National Teacher Education Assessment Policy. Assessment is one of the areas where we need to pay particular attention as the teacher education reforms matures and is sustained. The National Teacher Education Assessment Policy sets out the range of formative and summative modes and methods of assessment required to ensure that the B.Ed. is both implemented and assessed as planned. Assessment is a key driver of learner behaviour, and we must all ensure that we are familiar with the National Teacher Education Assessment Policy and applying it consistently to ensure that we eliminate the 'chew, pour, pass and forget' syndrome which has infected our education system. These Handbooks pay particular attention to assessment and are an important tool in ensuring that we are all following national policy guidelines correctly and consistently.

This latest set of Professional Development Handbooks, developed by four mentoring universities (University for Development Studies, University of Education, Winneba, University of Ghana and Kwame Nkrumah University of Science and Technology) and tutors from their affiliated Colleges of Education, are the second set of Professional Development Handbooks to be developed since Transforming Teaching, Education & Learning (T-TEL) became a Ghanaian not-for-profit organisation. I would like to take this opportunity to thank both the Ghana Tertiary Education Commission and Mastercard Foundation for making all this possible.

Robin Todd Executive Director, T-TEL September 2021

Year Three Semester One Social Science Tutor Version of Weekly PD sessions

Tutor PD Session for Lesson 1 in the Course Manual

Age Phase/s:

JHS

Name of Subjects:

GEOGRAPHY:

Courses:

- Weather and Climate
 - ✓ Introduction to weather and climate
- Regional Geography of Ghana
 - ✓ Position and size of countries in Africa

HISTORY:

Courses:

- Curriculum and Assessment in History
 - ✓ Introduction to the course
- Economic History of Ghana From Pre-Colonial Times to the End of the Colonial Period
 - ✓ Introductory lesson

RME:

Courses:

- Contents and their Pedagogies
 - ✓ Introduction to the course
- Introduction to African Religion
 - ✓ History of African Traditional Religion

SOCIAL STUDIES:

Courses:

- Conflict Management
 - ✓ Understanding the concept of conflict and its types
- Environmental and Social Issues in Contemporary Ghana
 - ✓ Natural resources and their characteristics

to no pro an	cus: the bullet points ovide the frame for what is be done. The guidance tes in italics identify the ompt the SL/HoD needs d each one must be dressed	Guidance Notes on Tutor Activity during the PD Session. What PD Session participants (Tutors) will do during each state of the session)	Time in session
1.	Introduction / lesson overview Overview of subject/s age phase/s to be covered in this PD session and how it will be oprganised. Including guidance on grouping tutors according to the subject/s, age phase/s. Reading and discussion of the introductory sections up to learning outcomes	 1.1 Explain the purpose of the JHS specialism. 1.2 Sit according to your subject groups (Geography tutors, social studies tutors, RME tutors and History tutors) and read the introductory part of the course manual, focussing on the goal of the course, course description, key contextual factors and CLOs as well as the assessment components and provide feedback as appropriate Examples of goals Regional Geography of Africa: The goal is to introduce student-teachers to the dominant teams in Regional Geography of Africa. Conflict Management: The goal is to expose student-teachers to the effects of conflicts on the socio-economic development of Ghana. Introduction to African Traditional Religion (ATR): The goal is to expose student-teachers to African tradional religious systems of belief and worships. Economic History of Ghana: The goal is to prepare history student-teachers for basic school education by introducing them to how to conduct historical research and examine historical issues. Course Learning Outcomes History: i. Student teachers to be able to demonstrate 	30 mins
		understanding of the course requirement and expectation for the semester. ii. Develop understanding of the relevance of the course on the pre-colonial Ghanaian economy Geography: i. Define weather and climate. ii. Exhibit knowledge of the difference between weather and climate	

Social studies:

- i. Demonstrate knowledge and understanding of the meaning of conflict.
- ii. Demonstrate knowledge and understanding of the types of conflicts in the society
- iii. Demonstrate knowledge and understanding of how to teach the topic in the basic school curriculum.

RME:

Demonstrate knowledge about the root of ATR.

- 1.3 In your various subject areas check the assessment procedures in lesson one to find out if they are aligned to the NTEAP
- E.g., The subject project (30%) (e.g. preparing posters and other TLMS for teaching a particular topic)
 The subject portfolio of 30% (mid-semester exams, assignments, exercises, group presentations, reflections etc), End of semester exams –40%
- 1.4 Reflect on the last PD session for year 2 semester 2 in your respective subject areas. This is the first PD session and it is meant to Introduce you to the course manual for year 3 and the first lesson in Geography, History, Social Studies and RME
- Eg. How useful was the PD session towards effective lesson delivery, what were the challenges, what suggestions do you have to make the current PD session better?
- 1.5 In your respective subject groups read and discuss the lesson descriptions of your various lesson one's manuals
- E.g., Regional Geography of Africa (Geography): The lesson expands student-teachers understanding of map reading techniques by using coordinates and other approaches to the study of regional geography.

Environment and Social Issues in Contemporary Ghana (Social studies): It is to equip student-teachers to be to explain natural resources and to classify them based on origin, renewability etc

Economic History of Ghana (History): The purpose of the lesson is to encourage student teachers to appreciate the relevance of acquiring knowledge on the economic history of the precolonial period.

Introduction to African Traditional Religion (RME): The purpose of lesson one is to introduce student-teachers to the roots of African traditional religion through interactive pedagogies.

1.6 Refer to your course manuals to identify the distinctive aspects of lesson one

Examples

Introduction to African Traditional Religion (RME):
Perception about ATR

Weather and Climate (Geography): Meaning of weather and climate, elements of weather and climate, meteorological instruments and their uses.

Conflict Management (Social Studies): Concept of conflict management, types of conflict, processes of conflict management

History of precolonial Ghanaian economy (History): Components of the precolonial Ghanaian economy

1.7 Think about possible questions which may arise from the first lesson including GESI and ICT related questions and provide responses.

 Reflection on previous PD Session (Introduction to the course manual/s)

Examples

Introduction to African Trational Religion (RME): Why is it that its mostly females who are sent to shrines to serve for the sins of the family?

Conflict management (Social Studies): The apparent non representation of females in conflict management.

 Introduction and overview of the main purpose of the lesson in the course manual/s

Economc History of pre-colonial Ghana (History):

The need to balance the content of history to reflect the activities of both genders.

 Identification of important or distinctive aspects of the lesson/s

Weather and climate (Geography): Integration of gender sensitive and socially inclusive ICT approaches in weather and climate issues.

		(e.g. Referring learners to the way male and female journalists are engaged in the reporting on weather)	
2.	Concept Development (New learning likely to arise in this lesson):	2.1 Identify and discuss the concepts of the lesson 1 in the various subject groups	25 mins
•	Identification and discussion of concepts	Examples Geography: weather, climate, atmosphere, elements, location, position.	
		History: Economy, pre-colonial Ghana, productivity	
Identification of possible	Identification of possible challenging areas in	Social studies: Conflict, peace building, dispute resolution, national development.	
	teaching of the concept.	RME: Traditional religion, worship, shrine, Priest and Priestesses	
		2.2 Identify the possible challenging areas in teaching of the concepts in lesson one of their various subject areas and discuss ways of addressing these as a group and across subjects.	
		E.g. Geography: How to make the teaching of concepts, such as, weather, climate, atmosphere, etc practical for students.	
		Social studies: student-teachers background and experiences might influence their misconceptions of the concept of conflicts.	
		RME: Student teachers might hold misconceptions about ATR and can show negative attitude towards the lesson	
•	Identification of needed resources for the teaching and learning of the concept.	History: Students-teachers' knowledge of modern e conomy may interfere with their understanding of precolonial history.	
		2.3 Identify the needed resource in teaching and learning the concepts bearing in mind GESI responsiveness.	
		Examples Some resources required to support teaching and learning may include: Laptops, projectors, YouTube videos of relevant topics, links to websites etc	

Geography: Atlases, projectors, videos and post cards showing both males and females reading weather maps, android phones of student teachers, pens, pencils etc. Social studies: video clip on law-and-order portraying both males, females, physically challenged officers of the law, pictures and posters showing both males and females, internet facilities. **RME:** Videos and post cards showing males and female (Priest and Priestesses) **History:** Archival documents, video documentary on precolonial economy, computers, projectors 2.4 Identify cross-cutting issues in respect of lesson 1 in each subject area. This include GESI, ICT, and 21st C core values and skills, such as critical thinking and problem solving, communication and collaboration, etc. Examples of GESI, the activities of men and women that impact(ed) on and how they are affected by: ✓ Biodiversity ✓ pre-colonial economy √ climate change ✓ The roles of men and women in African traditional religion Some transferable skills to be developed include: Digital literacy skills in presentations ii. Communication skills/Collaborative skills in groupwork Critical thinking and problem solving in iii. resolving conflicts Personal development and leadership skills iv. in leading groupwork. 3. Teaching, learning and 3.1 Read through the suggested teaching and learning 40 mins assessment activities for activities for lesson 1 and identify those activities the lesson which you need further clarification. Pay particular attention to integration of ICT, GESI and the 21st • Reading of teaching and learning activities and Century core values and competencies into the identification of areas that teaching and learning activities. require clarification For example in Geography, History, Social Studies, or RME, how will you use shower thought, smaller groups

discussion, internet search by students, power point

presentations etc. to promote integration of ICT, GESI and the 21st Century core values and competencies. Note: both males and female should be given leadership positions in the various group. The groups should reflect mixed ability and gender consideration

3.2 Any volunteer to demonstrate how to use the activities to teach for us to observe and comment.

Examples:

Geography: Using the internet to search for weather information.

Social Studies: Using drama or role play to enact a conflict scene.

History: Using a video documentary to teach precolonial economic activities

RME: Using value clarification strategy to teach moral values

3.3 Study the assessment opportunities in your respective subject areas and indicate by writing down whether the components of assessment aligned to the NTEAP and contain activities for subject project and subject portfolio well linked to the CLO.

Examples

Geography: An in-depth study of the nature of regional geography of Africa (Subject project)
Tutor feedback on a report on the climate of a local area (Subject portfolio)

Peading of assessment opportunities and ensuring they are aligned to the NTEAP and required course assessment: subject project (30%), subject portfolio (30%) and end of semester examination (40%)

Social Studies:

In groups, student teachers create a concept map to identify and explain the links between law and order in society (Subject project).

Lesson plan on teaching how to maintain law and order in society integrating ICT and 21st Century skills (Subject portfolio)

History:

Student teachers are grouped and assigned a project on linking the CoE curriculum with the basic school curriculum. (Subject project)

Working through one or two activities,	Development of a poster showing the allocation of resources on a regional basis in pre-colonial Ghana (Subject portfolio) RME: Student teachers prepare a poster showing the role of a traditional priest. (Subject project) Student teachers prepare a TLM to support basic school pupils' learning of RME (Subject portfolio) 3.4 Ask participants to share their list of subject projects and subject portfolios with their colleagues.	
 4. Evaluation and review of session: Identification of any outstanding issues relating to this lesson for clarification Advance preparation In the case of unresolved issues 	 4.1 Ask questions relating to the lesson for clarification 4.2 Read on lesson two for our next pd session. Bring your course manuals along for the next session. 4.3 Identify a critical friend to observed their lesson and provide feedback on same. 	5 mins
Course assessment in accordance with the NTEAP: SWL need to review assessment in the course manual to ensure it complies with NTEAP implementation and the 60% continuous assessment and 40 % End of semester examination. This means ensuring: subject project, subject portfolio preparation and development are explicitly addressed in the PD sessions.		

Tutor PD Session for Lesson 2 in the Course Manual

Geography

- Position and size of countries in Africa 2
- Characteristics and Importance of the Atmosphere

History

- The nature of Curriculum
- Pre-Colonial Economy

RME

- Scriptures in ATR (Oral Traditions)
- God, His Creation and Attributes

Social Studies

- The concept and types of Peace
- Human activities and their Impact on Biodiversity

Focus: the bullet points provide the frame for what is to be done. The guidance notes in italics identify the prompt the SL/HoD needs and each one must be addressed	Guidance Notes on Tutor Activity during the PD Session. What PD Session participants (Tutors) will do during each state of the session)	Time in session
 1. Introduction / lesson overview Reflection on previous PD Session (Introduction to 	4.1 In your respective group, reflect and discuss the successes and challenges you faced during the implementation of the previous PD session.	30 mins
the course manual/s)	4.2 Read the introductory section of the lesson focussing on the lesson description, possible barriers, purpose, the LOs and indicators.	
 Introduction and overview of the main purpose of the lesson in the course manual/s 	Examples History: The purpose of lesson two is to help student- teachers understand the precolonial activities of Ghanaians and connect them to the present.	
Identification of important or distinctive aspects of the lesson/s	Geography: The lesson two seeks to help student-teachers to understand how the nature of the landscape influences human activities. Social Studies: The purpose of lesson two is to provide opportunity for student-teachers to appreciate the importance of peace and help their learners to learn in a peaceful environment. RME: the purpose of lesson two is to expose student-teachers to oral traditions as a valuable scripture of ATR.	

	T	r
	4.3 Identify the important or distinctive aspects of	
	lesson two in your respective subject areas.	
	Evamples	
	Examples Geography: formation of the atmosphere	
	Geography: formation of the atmosphere, characteristics of the atmosphere, structure of the	
	atmosphere.	
	History: agricultural systems, indigenous industrial	
	occupations, trading activities	
	Social Studies: concept of peace, negative and positive	
	peace, characteristics of peace.	
	RME: nature of god, concept of god, creation stories.	
Reading and discussion of	4.1 In your respective subject areas read out the	ļ
the introductory sections	indicators of lesson two and explain how they link	
up to learning outcomes	up with the learning outcomes.	
	Evamples	
	Examples History: demonstrate understanding of some	
	agricultural and industrial systems in precolonial Ghana.	
	RME: demonstrate skills in explaining values embedded	
	in other tradions.	
	Social Studies: appreciate the importance of peace in	
	Ghana and the teaching and learning environment.	
	Geography: exhibit knowledge on the characteristics of	
	the atmosphere.	
2. Concept Development	2.1 In your respective subject areas identify and discuss	25 mins
(New learning likely to	concepts in lesson two that need clarification.	25 111113
arise in this lesson):		
Identification and	For example	
discussion of concepts	Social Studies: peace, negative and positive peace	
	Geography: atmosphere, troposphere, stratosphere,	
Identification of possible	mesosphere, ozonosphere, exosphere	
challenging areas in	History: curriculum, assessment, barter trade	
teaching of the concept.		
	RME: Scripture, myth, symbol	
	2.2 Identify and discuss possible barriers to the learning	
	of the lesson in your subject areas and discuss ways	
	of addressing these as a group and across subjects.	
	Examples	
	Geography: student-teachers with no or poor physical	
	geography background may have difficulty	
İ	understanding concepts related to the atmosphere.	

RME: student-teachers might assume they already know about myths about African traditions and might struggle to appreciate their religious connections.

Social Studies: student-teachers who have been vitims of conflics might not appreciate mechanisms of peace.

 Identification of needed resources for the teaching and learning of the concept. **History:** student-teachers understanding of contemporary economic activities might interfere with their understanding of precolonial economic activities.

2.3 In your respective subject areas, identify the needed resources for the teaching and learning of the concepts identified.

Examples

Some resources required to support teaching and learning may include: Laptops, projectors, YouTube videos of relevant topics, links to websites etc

Geography: Atlases, projectors, videos and post cards showing both males and females reading weather maps, android phones of student teachers, pens, pencils etc.

Social studies: video clip on law-and-order portraying both males, females, physically challenged officers of the law, pictures and posters showing both males and females, internet facilities.

RME: Videos and post cards showing males and female (Priest and Priestesses)

History: Archival documents, video documentary on precolonial economy, computers, projectors

2.4 Ask tutors to identify cross-cutting issues in respect of lesson one in the respective courses. This include GESI, ICT, and 21st C core values and skills, such as critical thinking and problem solving, communication and collaboration, etc.

Examples of GESI, the activities of men and women that impact(ed) on and how they are affected by:

- ✓ Biodiversity
- ✓ pre-colonial economy
- ✓ climate change

	✓ The roles of men and women in African	
	traditional religion	
	Some transferable skills to be developed include:	
	 i. Digital literacy skills in presentations ii Communication skills/Collaborative skills in groupwork iii Critical thinking and problem solving in resolving conflicts iv Personal development and leadership skills in leading groupwork 2.5 Ask tutors to use the shower thought strategy to identify some misconceptions and controversial 	
	issues in the various lessons in their subject areas. Examples Geography Student-teachers may have misconceptions about where the atmosphere is and the composition of the atmosphere	
	History There could be controversy surrounding the level of productivity and community development during the pre-colonial era in Ghana	
	Social Studies In terms of environmental resources, there could be controversy on resource utilization and sustainable management.	
	RME Whether pre-colonial Africans knew God could be controversial	
 3. Teaching, learning and assessment activities for the lesson Reading of teaching and learning activities and identification of areas that require clarification 	3.1 Read through the suggested teaching and learning activities for lesson 1 and identify activities which are unclear to them paying particular attention to the integration of ICT, GESI and the 21st Century core competencies into the teaching and learning activities.	40 mins
require ciarification	For example in Geography, History, Social Studies, or RME, how will you use shower thought, smaller groups discussion, internet search by students, power point	

presentations etc. to promote integration of ICT, GESI and the 21st Century core values and competencies.

Note: both males and female should be given leadership positions in the various group. The groups should reflect mixed ability and gender consideration

Examples of teaching and learning activities that may need clarification:

History

the jigsaw technique

Geography

think-pair-share

Social Studies

concept mapping, shower thought,

RMF

Want to know, Leant (KWL), differentiated tasks groupings.

- 3.2 In groups, discuss how the suggested teaching and learning activities can be applied by student teachers during STS activities so can be uswd to teach the basic school curriculum
- 3.3 Ask tutors to examine the assessment tasks in their respective subject areas and point out how they align to the NTEAP. and contain activities for subject project and subject portfolio well linked to the CLO.

Examples

Geography: An in-depth study of the nature of regional geography of Africa (Subject project)

Tutor feedback on a report on the climate of a local area (Subject portfolio)

Social Studies:

In groups, student teachers create a concept map to identify and explain the links between law and order in society (Subject project).

Lesson plan on teaching how to maintain law and order in society integrating ICT and 21st Century skills (Subject portfolio)

History:

Student teachers are grouped and assigned a project on linking the CoE curriculum with the basic school curriculum. (Subject project)

 Reading of assessment opportunities and ensuring they are aligned to the NTEAP and required course assessment: subject project (30%), subject portfolio (30%) and end of semester examination (40%)

Working through one or two activities,	Development of a poster showing the allocation of resources on a regional basis in pre-colonial Ghana (Subject portfolio). RME: Student teachers prepare a poster showing the role of a traditional priest. (Subject project) Student teachers prepare a TLM to support basic school pupils' learning of RME (Subject portfolio) 3.4 Ask participants to share their list of subject projects and subject portfolios with their colleagues.	
 4. Evaluation and review of session: Identification of any outstanding issues relating to this lesson for clarification Advance preparation In the case of unresolved issues 	 4.1 Refer to lesson two in the course manual of the various subjects and point out any outstanding issues that needs to be addressed. 4.2 Read lesson three and come along with your course manuals for the PD session three next week. 4.3 Identify a critical friend to observed your lesson and provide feedback on same. 	5 mins
Course assessment in accordance with the NTEAP: SWL need to review assessment in the course manual to ensure it complies with NTEAP implementation and the 60% continuous assessment and 40 % End of semester examination. This means ensuring: subject project, subject portfolio preparation and development are explicitly addressed in the PD sessions.		

Tutor PD Session for Lesson 3 in the Course Manual

Geography

- Relief and drainage of Africa 1
- Composition of the Atmosphere

History

- The history curriculum
- Trade and Economic Change in the Gold Coast

RME

- God, His Creation and Attributes
- Basic African Traditional Religious Beliefs I

Social Studies

- Causes of Conflicts
- Sustainable Utilization of Natural Resources in Ghana

Focus: the bullet points provide the frame for what is to be done. The guidance notes in italics identify the prompt the SL/HoD needs and each one must be addressed	Guidance Notes on Tutor Activity during the PD Session. What PD Session participants (Tutors) will do during each state of the session)	Time in session
 Introduction / lesson overview Reflection on previous PD Session (Introduction to the course manual/s) Introduction and overview of the main purpose of the lesson in the course manual/s 	 1.1 Take a piece of paper each and write down two positive effects of PD session 2 on your lesson delivery for the week 1.2 Share your points with your colleagues by reading out aloud. 1.3 What challenges did you encounter in the classroom in the implementation of the previous PD session? 1.4 Sit in your subject groups and discuss how to address the challenges that were encountered in the classroom for lesson 2 1.5 Open to lesson 3 in your course manuals and read the lesson descriptions silently 1.6 Summarize the lesson 3 description in your subject areas and bring out the abridged version of the purpose of your lessons 	30 mins

Examples

Geography; -Regional: To establish the relationship between relief features and human settlement.

Geography: composition of the atmosphere: To understand atmospheric pollutants and effects.

 Identification of important or distinctive aspects of the lesson/s **History:** It seeks to establish the origins of the Atlantic Slave Trade and its change to Legitimate trade.

Social studies: To enable student-teachers explore strategies to manage natural resources in Ghana and use such knowledge to teach related Social Studies topics in the Basic school curriculum, etc.

1.7 Identify the distinctive aspects of lesson three in your respective subject areas.

Examples

Geography: Relief features, major relief areas, settlement patterns.

History: Emergence of the slave trade, locations of European countries.

Social Studies: renewable and non-renewable resources, resource utilization, biodiversity conservation **RME:** beliefs in ancestors, morality and values, God and gods

 Reading and discussion of the introductory sections up to learning outcomes 1.8 Read and discuss the linkages between the lesson outcome and indicators for lesson three.

Examples

History

Identify some European countries that took part in the Trans-Atlantic Slave Trade

RME

Demonstrate knowledge and understanding of traditional beliefs in God, gods and ancestors, etc.

Geography

Domonstrate understanding of the components of the atmosphere

Social Studies

Appraise knowledge on the issues that cause conflicts in communities

	1.9 Identify cross-cutting issues in respect of lesson three in your respective courses including GESI and SEN issues For example, GESI (The activities of men and women that impact(ed) on: Geography: Cffeets of atmospheric pollution on males and females.	
	Effects of atmospheric pollution on males and females climate change impact on males, females, children, the vulnerable, the wealthy. climate change on the vulnerable groups	
	History pre-colonial economy, role of females and males, Effects of Slave trade on SEN	
	RME The roles of men and women in African traditional religion	
	Social Studies Effect of conflict on the vulnerable groups	
2. Concept Development (New learning likely to arise in this lesson):Identification and	2.1 In your respective subject areas identify and discuss some concepts in the lesson three that need clarification.	25 mins
discussion of concepts	Example Social Studies: conflict, peace, natural resources, sustainable utilization.	
	Geography: Relief, Drainage, settlement, population, atmosphere, pollutions/pollutants, effects	
 Identification of possible challenging areas in teaching of the concept. 	History: slavery, Trade, Trans-Atlantic, economic change	
teaching of the concept.	RME: God, God's creation, God's attribute, African Traditional religion	
	2.2 Shower thought on the possible barriers that can affect the learning of the lesson three in your subject areas and discuss ways of addressing these as a group and across subjects.	

 Identification of needed resources for the teaching and learning of the concept. For example:

RME: Students might struggle to appreciate the belief in ancestors.

Geography: Students might not be able to visit major relief regions to appreciate their effect on people.

History: students might become emotional about the slave trade as it relates to their communities.

GESI (the myth about the creation story in African Traditional Religion,

How conflict affect the vulnerable groups)
SEN (the myth surrounding people with special needs
SEN)

ICT, Controversial issues e.g. Do traditional religious followers worship God or gods?

2.3 In your respective subject areas, identify the needed resources for the teaching and learning of the concepts identified.

For example: internet sources, video clips on the slave trade and conflicts, resource persons, atlases, maps, photographs, you tube videos on: http://youtube/5Etcz834s9L, etc.

NOTE: These resources must be GESI responsive by showing the role of males and females as well as people with different abilities and socio-economic background in various activities.

- 2.4 Identify cross-cutting issues in respect of lesson one in the respective courses. This include GESI, ICT, and 21st C core values and skills, such as critical thinking and problem solving, communication and collaboration, etc., and provide specific examples from your own courses and discuss as a group.
- 3. Teaching, learning and assessment activities for the lesson
- Reading of teaching and learning activities and identification of areas that require clarification

3.1 Refer to your respective course manuals and identify teaching learning activities in the lessons that need clarification.

For example, the jigsaw technique in history, think-pair-share in geography, concept mapping, Shower thought, Know, Want to know, Leant (KWL), differentiated tasks groupings.

accordance with the NTEAP: SWL need to review assessment in the course manual to ensure it complies		
Course assessment in	4.5 Read lessons four and any other relevant materials related to the fourth lessons in your respective subjects in readiness for the next PD session.	
	4.4 Each of you should identify a critical friend to observe your lessons in the lecture halls using an observation guide to take notes to discuss with you and also to report to the group for further discussion in our next PD session next week for lesson four.	
In the case of unresolved issues	4.3 In your respective groups let us discuss the unresolved issues for better understanding.	
Advance preparation	For example , issues related to the concepts, activities, GESI, SEN, Pedagogy or strategies etc.	
outstanding issues relating to this lesson for clarification	4.2 Refer to lesson three in the course manual of your subject areas to see if there are some outstanding issues that needs to be addressed.	
4. Evaluation and review of session: • Identification of any	4.1 Individually write down at least two observations about today's pd session (both positives and challenges)	5 mins
	For example , the nature of the assessment tasks in terms of assessment as learning, assessment for learning and assessment of learning.	
Working through one or two activities,	Example: subject project, subject portfolio which include quizzes, mid semester exams, assignments, presentations etc.	
assessment: subject project (30%), subject portfolio (30%) and end of semester examination (40%)	3.3 In your groups, refer to the NTEAP document and examine the assessment tasks in lesson two of each course to see if they are aligned the NTEAP.	
 Reading of assessment opportunities and ensuring they are aligned to the NTEAP and required course 	3.2 In your subject based groups, discuss how the suggested teaching and learning activities can be applied by student teachers during the STS activities in the basic school.	

with NTEAP implementation	
and the 60% continuous	
assessment and 40 % End of	
semester examination. This	
means ensuring : subject	
project, subject portfolio	
preparation and development	
are explicitly addressed in the	
PD sessions.	

Tutor PD Session for Lesson 4 in the Course Manual

GEOGRAPHY

- Relief and drainage of Africa 2
- Radiation Balance of the Earth

HISTORY

- Theoretical and Pedagogical Contentions in History
- From the Trade in Slaves to 'Legitimate' Trade.

RME

- Religious Practices and their Moral Implications
- Basic African Traditional Religious beliefs II

SOCIAL STUDIES

- Effects of Conflicts: The Individual and Families
- Environmental Health and Sanitation

Focus: the bullet points provide the frame for what is to be done. The guidance notes in italics identify the prompt the SL/HoD needs and each one must be addressed	Guidance Notes on Tutor Activity during the PD Session. What PD Session participants (Tutors) will do during each state of the session)	Time in session
 1. Introduction / lesson overview Reflection on previous PD Session (Introduction to the 	1.1 Reflect and discuss the successes and challenges you encountered during the implementation of the last PD session.	30 mins
course manual/s)	E.g., the implementation of teaching and learning activities and the appropriateness of the resources.	
 Introduction and overview of the main purpose of the 	1.2 In your respective subject groups read and discuss the purpose or description of the lesson on your various lesson four.	
lesson in the course	Examples	
manual/s	History : to help student teachers to identify the complexities of precolonial and colonial economy	
	Social Studies : to introduce student teachers to effects of conflicts on the individual and families with particular attention to the children.	
	Geography: the lesson is intended to help student-teachers acquire knowledge and understanding of the drainage features of Africa to enable them teach the common core curriculum.	

RME: the purpose of the lesson is to give studentteachers the opportunity to do an in-dept study of the content of the junior high school RME curriculum.

 Identification of important or distinctive aspects of the lesson/s 1.3 Identify the important or distinctive aspects of lesson four in your respective subject areas.

Examples

Geography: processes of heat transfer, nature of temperature and heat

History: the concept of legitimate trade, rites of

passage

Social Studies: the concept of conflict, effects of conflict

RME: spirits, beliefs in personal spirits

1.4 Read and discuss the LOs and LIs for lesson four

Note

The LIs are derived from the LOs

Examples

Geography

LO: Develop the understanding of the concepts of drainage and their importance **LI**: Explain the concept of drainage

the introductory sections up to learning outcomes

Reading and discussion of

RME

LO:Demonstrate knowledge on ATR beliefs **LI:** Explain ATR beliefs in impersonal spirits.

Social Studies

LO: demonstrate knowledge and understanding of environmental health

LI: Explain the concept of environmental health

History

LO: Exhibit knowledge and understanding of what legitimate trade is

LI: explain the concept of legitimate trade

1.5 Identify cross-cutting issues in respect of lesson four in your respective courses.

		For example, GESI: ✓ The impact of slave trade on men and women; ✓ Effects of conflicts on men and women; SEN: ✓ Effects of conflicts on the vulnerable groups ✓ Environmental Health and Sanitation on the vulnerable groups ICT: Availability of ICT facilities	
2.	Concept Development (New learning likely to arise in this lesson): Identification and discussion of concepts	2.1 In your respective subject areas identify and discuss concepts in lesson four that need clarification. For example: Social Studies: environment, health, sanitation, environmental diseases; Geography: settlement patterns; History: legitimate trade, Trans-Atlantic Slave Trade; RME: spirit beings, totem, taboo.	25 mins
•	Identification of possible challenging areas in teaching of the concept.	 2.2 Identify and discuss possible barriers to the learning of the lesson in your subject areas and discuss ways of addressing these as a group and across subjects. Examples RME: learners different religious upbringings may be a barrier to their appreciation of the role of spirits in ATR. 	
•	Identification of needed resources for the teaching and learning of the concept.	History: Student-teachers may find it difficult to appreciate the complex nature of economic changes during the precolonial time Geography: Students with weak mathematical background may find it difficult to calculate the radiation balance. Social Studies: misconceptions about the individuals role in maintaining good sanitation 2.3 In your respective subject areas, identify the needed resources for the teaching and learning of the concepts identified. For example, internet sources, video clips, resource persons, field trips etc. These must be gender responsive.	

2,4 Identify cross-cutting issues in respect of lesson one in the respective courses. This include GESI, ICT, and 21 st C core values and skills, such as critical thinking and problem solving, communication and collaboration, etc., and provide specific examples from your own courses and discuss as a group.	
3.1 In your respective subject areas, identify teaching learning activities in the lessons that need clarification. For example, the gigsaw technique in history, thinkpair-share in geography, concept mapping, Shower thought, Know, Want to know, Learned (KWL), differentiated tasks groupings.	40 mins
Some resources required to support teaching and learning may include: ✓ Laptops, ✓ projectors, ✓ youtube videos of relevant topics, ✓ links to websites ✓ field trips for example to religious, historical or geographical sites, etc. 3.2 In groups, discuss how the suggested teaching and learning activities can be applied by student teachers during the STS.	
 3.3 In your groups, refer to the NTEAP document and examine the assessment tasks in lesson four of each course to see if they are aligned with the NTEAP. For example, the nature of the assessment tasks in terms of assessment as learning, assessment for learning and assessment of learning. Assessment tasks should include some transferable skills such as: ✓ Digital literacy skills ✓ Communication skills/Collaborative skills ✓ Critical thinking and problem solving ✓ Personal development and leadership skills 	
	in the respective courses. This include GESI, ICT, and 21st C core values and skills, such as critical thinking and problem solving, communication and collaboration, etc., and provide specific examples from your own courses and discuss as a group. 3.1 In your respective subject areas, identify teaching learning activities in the lessons that need clarification. For example, the gigsaw technique in history, thinkpair-share in geography, concept mapping, Shower thought, Know, Want to know, Learned (KWL), differentiated tasks groupings. Some resources required to support teaching and learning may include: ✓ Laptops, ✓ projectors, ✓ youtube videos of relevant topics, ✓ links to websites ✓ field trips for example to religious, historical or geographical sites, etc. 3.2 In groups, discuss how the suggested teaching and learning activities can be applied by student teachers during the STS. 3.3 In your groups, refer to the NTEAP document and examine the assessment tasks in lesson four of each course to see if they are aligned with the NTEAP. For example, the nature of the assessment tasks in terms of assessment as learning, assessment for learning and assessment of learning. Assessment tasks should include some transferable skills such as: ✓ Digital literacy skills ✓ Communication skills/Collaborative skills ✓ Communication skills/Collaborative skills

4. Evaluation and review of session:Identification of any	4.1 Refer to lesson four in your course manuals and point out any outstanding issues that needs to be addressed.	5 mins
outstanding issues	For example : issues related to the concepts, activities,	
relating to this lesson for clarification	GESI, SEN, ICT, Pedagogy or strategies etc.	
	4.2 Subject lead and tutors discuss how to resolve the	
	outstanding issues in the lesson.	
Advance preparation		
Advance preparation	4.3 Read in advance Lesson 5 in your respective subject	
	areas in the course manual and prepare for the next	
	···	
In the case of unresolved	PD session. Refer to Lesson 5 on Geography ,	
issues	History, Social Studies and R.M.E. in your	
	respective course manuals.	
Course assessment in		
accordance with the NTEAP:		
SWL need to review		
assessment in the course		
manual to ensure it complies		
with NTEAP implementation		
and the 60% continuous		
assessment and 40 % End of		
semester examination. This		
means ensuring : subject		
project, subject portfolio		
preparation and development		
are explicitly addressed in the		
PD sessions.		

Tutor PD Session for Lesson 5 in the Course Manual

Geography

- Climate and Vegetation Types 1
- Atmospheric Pressure and Wind Systems

History

- Creative Pedagogies used in History
- Indigenous Entrepreneurs in the Gold Coast

RME

- African Traditional Religious Practices 1
- Religious Leaders/Personalities

Social Studies

- Effects and Conflicts: Communities, Schools, and the Nation
- Causes and Effect of Poor Environmental Sanitation

Focus: the bullet points provide the frame for what is to be done. The guidance notes in italics identify the prompt the SL/HoD needs and each one must be addressed.	Guidance Notes on Tutor Activity during the PD Session. What PD Session participants (Tutors) will do during each state of the session)	Time in session
 1. Introduction / lesson overview Reflection on previous PD Session (Introduction to the 	1.1 In your respective group, reflect and discuss the successes and challenges you faced during the implementation of the previous PD session.	30 mins
course manual/s)	1.2 Identify the main purpose of lesson five Examples Social Studies: the pupose of the lesson is to help	
 Introduction and overview of the main purpose of the lesson in the course manual/s 	student-teachers discuss causes and effects of poor environmental sanitation Geography: enable student-teachers understand the	
·	nature of pressure and wind systems and how they affect weather and climate. History : the purpose is to help student-teachers	
	demonstrate understanding of the backgrounds of indigenous entrepreneurs in the Ghanaian society RME : the pupose of the lesson is to equip student-teachers with knowledge and understanding of ATR practices.	

1.3. Identify the important or distinctive aspects of lesson five in your respective subject areas.

Examples

RME: forms of traditional worship, libation

 Identification of important or distinctive aspects of the lesson/s **Social Studies**: concept of conflict, effects of conflict

Geography: nature of pressure and wind, wind generation, wind systems

History: indigenous enterprenuership, indigenous industries, transaharan slave trade

1.4. Ask tutors to read and discuss the introductory sections up to learning outcomes

 Reading and discussion of the introductory sections up to learning outcomes Examples of the LOs and indicators, concepts, scope of the lesson and sub-topics in each course in the respective subject area.

Geography

LO:demonstrate knowledge and understanding of **LI**: student-teachers are expected to apply their knowledge of the concept of climate to define it in their own words.

History

LO: demonstrate understanding of enterprenueship **LI**: Discuss how indigenous enterprenuership evolve.

Social Studies

LO: apply knowledge of the effects of conflicts **LI**: examine how conflicts affect teaching and learning in schools

RME

LO: show skills in demonstrating how libation is performed

LI: demonstrate how libation is performed

1.5. Identify cross-cutting issues in respect of lesson five in your respective courses.

GESI (Gender, inclusivity, equality Socio-Cultural and economic differences) Integrating **ICT** into the lesson such as powerpoint presentation, the use of youtube, etc.

		SEN appropriate activities such as mixed ability groupings.	
2.	Concept Development (New learning likely to arise in this lesson):	3.1 In your respective subject areas identify and discuss concepts in lesson five that need clarification.	25 mins
•	Identification and	Examples	
	discussion of concepts	Social Studies: conflict, sanitation, environment	
		Geography: Weather, climate, pressure, wind systems History: Pedagogies,	
		Indigenous Entrepreneurs	
		RME: Worship, Patriarches, Prophets/Caliphes	
•	Identification of possible challenging areas in teaching of the concept.	2.2 Identify and discuss possible barriers to the learning of the lesson in your subject areas and discuss ways of addressing these as a group and across subjects	
		For example: How to integrate GESI issues in the lessons (the issue about how certain religious positions is limited to only males. For instance, in the case of Religious Leaders. SEN (Myth about disability) Availability of SEN appropriate ICT tools. Controversial issues like the concept of God in the African Traditional Religion.	
•	Identification of needed resources for the teaching and learning of the concept.	RME: student teachers religious biases might influence them to show disinterest in the lesson	
		Social Studies: negative attitude of student-teachers might affect their appreciation of good sanitation practices.	
		Geography: students-teachers may find the lesson abstract in the absence of meteorological equipments.	
		History: the tendancy to project modern day concept and understanding of term enterprenuership	
		2.3 In your respective subject areas, identify the needed resources for the teaching and learning of the concepts identified.	
		Let tutors identify GESI responsive resources For example, audio-visual equipment, internet sources,	

	video clips, brailles, sign language resource persons, etc.2.4 Identify cross-cutting issues in respect of lesson one	
	in the respective courses. This include GESI, ICT, and 21 st C core values and skills, such as critical thinking and problem solving, communication and collaboration, etc., and provide specificexamples from your own courses and discuss as a group.	
 3. Teaching, learning and assessment activities for the lesson Reading of teaching and learning activities and identification of areas that require clarification 	3.1 In your respective subject areas, identify teaching learning activities in the lessons that need clarification. For example, the gigsaw technique in history, thinkpair-share in geography, concept mapping, Shower thought, Know, Want to know, Leant (KWL), differentiated tasks groupings.	40 mins
 Reading of assessment opportunities and ensuring they are aligned to the NTEAP and required course assessment: subject project (30%), subject portfolio (30%) and end of semester examination (40%) Working through one or two activities, 	 3.2 Identify the core and transferable skills that can be developed by student teachers from the teaching and learning activities. For example, activities that promotes the development of critical thinking, Personal development, communication and collaboration, Professional attitudes and values etc. 3.3 In groups, discuss how the suggested teaching and learning activities can be applied by student teachers during the STS. For example, how the student teachers observe their mentor deal with issues of GESI, and SEN in the teaching and learning activities during STS. 3.4 Select one person from each group to present a model lesson using ICT tools and taking into consideration issues of gender, SEN. 3.5 In your respective groups discuss the presentation of the model lesson taking into consideration the use of gender and SEN responsive activities and resources as well as the appropriateness of the ICT tools that were used. 3.6 In your groups, refer to the NTEAP document and examine the assessment tasks in lesson five of each course to see if they are aligned the NTEAP. 	

	For example, the nature of the assessment tasks in terms of assessment as learning, assessment for learning and assessment of learning.	
 4. Evaluation and review of session: Identification of any outstanding issues relating to this lesson for clarification 	4.1 In your respective groups, reflect and evaluate the activities that you have gone through today and indicate whether your expectations have been met or not. For example, those whose expectations have been met can show by raising their fingers or nodding their heads. On the other hand, those whose expectations have not been met can show by raising two fingers or shaking their heads.	5 mins
In the case of unresolved issues	 4.2 Refer to lesson five in the course manual of the various subjects and point out any outstanding issues that needs to be addressed. These examples may include, issues related to the concepts, activities, GESI, SEN, Pedagogy or strategies etc. 	
Advance preparation	 4.3 Read lessons six in your various subject prepare for the next PD session. 4.4 Each of you should write down the outstanding issues related to your course and go and do research on them. Put your findings on the group's social media platform for discussion. 	
Course assessment in accordance with the NTEAP: SWL need to review assessment in the course manual to ensure it complies with NTEAP implementation and the 60% continuous assessment and 40 % End of semester examination. This means ensuring: subject project, subject portfolio preparation and development are explicitly addressed in the PD sessions.		

Tutor PD Session for Lesson 6 in the Course Manual

Geography

- Climate and vegetation types 2
- Evaporation and Humidity

History

- Creative Pedagogies and Barriers to Learning
- The Emergence of Cash Crop Production and Export

RME

- African Traditional Religious Practices II
- Religious Leaders/Personalities

Social Studies

- Conflict prevention and its mechanisms
- Ways to Ensure Safe and Healthy Environment in Ghana

Focus: the bullet points provide the frame for what is to be done. The guidance notes in italics identify the prompt the SL/HoD needs and each one must be addressed.	Guidance Notes on Tutor Activity during the PD Session. What PD Session participants (Tutors) will do during each state of the session)	Time in session
 1. Introduction / lesson overview Overview of subject/s age phase/s to be covered in this PD session and how it will be oprganised. 	1.1 In your respective group, reflect and discuss the successes and challenges you faced during the implementation of the previous PD session.1.2 Identify the main purpose of lesson six in your respective subject areas	30 mins
Including guidance on grouping tutors according to the subject/s, age phase/s.	Example Geography: the purpose of the lesson is to help students use the knowledge of evaporation and humidity to teach the basic school curriculum	
 Reflection on previous PD Session (Introduction to the course manual/s) 	History: the lesson is to help student-teachers understand the complexities between cash crop and export production. Social Studies: the purpose of the lesson is to introduce student teachers to conflict prevention and the	
 Introduction and overview of the main purpose of the lesson in the course manual/s 	mechanisms to achieve that. RME: the purpose of the lesson is to equip student- teachers with knowledge of traditional festivals and how to use multi media resources to teach festivals	

1.3 Identify the important or distinctive aspects of lesson six in your respective subject areas.

Examples

RME: trational festivals, religious significance of trational festivals

Social Studies: concept of conflict prevention, mechanisms of conflict prevention, etc

History: cash crop economy, indigenous farmers, components of Ghanaian export production

 Identification of important or distinctive aspects of the lesson/s **Geography:** sources of evaporation, nature of humidity, fog and dew

1.4 In your various subject areas read out the description of lesson six in the course manual pointing out the lesson outcomes.

Examples

Geography

LO: demonstrate knowledge about the sources of evaporation

LI: identify sources of evaporation

History

LO: demonstrate understanding about the nature of the export production in precolonial Ghana **LI**: identify the key components that characterised

production and export in precolonial Ghana

Social Studies

LO: appraised the mechanisms of conflict prevention LI: design a lesson plan on the mechanisms of conflict prevention and justify it

RME

LO: demonstrate knowledge of traditional festivals

LI: describe the religious significance of a given festival

 Reading and discussion of the introductory sections up to learning outcomes 1.5 Identify cross-cutting issues in respect of lesson six in your respective courses.

For example, GESI (The activities of men and women that impact(ed) on:

Vegetation, Evaporation

Difficulty with some concepts not adequately dealt with The roles of man and women in African traditional religion

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	ICT, SEN (Effects: ✓ of conflict on the vulnerable groups i.e., females, children, physically challenge ✓ climate change on the vulnerable groups ✓ Pedagogies on SEN Critical thinking, Personal development communication and collaboration, etc.	
2. Concept Development (New learning likely to arise in this lesson):	3.1 In your respective subject areas identify and discuss concepts in lesson six that needs clarification.	25 mins
Identification and	Example	
discussion of concepts	Social Studies: conflict, peace, conflict prevention, mechanisms	
	Geography: evaporation, humidity.	
 Identification of possible challenging areas in 	History: Cash crops, export production	
teaching of the concept.	RME: Festivals, traditional practices, field trips	
	2.1 identify and discuss possible barriers to the learning of the lesson in your subject areas and discuss ways of addressing these as a group and across subjects	
 Identification of needed 		
resources for the teaching and learning of the	For example: GESI (the myth about some festivals in African Traditional	
concept.	Religion. How conflict prevention can improve the quality of life of vulnerable groups)	
	SEN (the myth surrounding people with special needs SEN)	
	ICT, Controversial issues	
	1.3. In your respective subject areas, identify the needed resources for the teaching and learning of the concepts identified. For example, internet sources, video clips, resource	
	persons, etc	
	2.4. Identify cross-cutting issues in respect of lesson one in the respective courses. This include GESI, ICT, and 21st C core values and skills, such as critical thinking and problem solving, communication and collaboration, etc., and provide specific examples from your own courses and discuss as a group.	

 3. Teaching, learning and assessment activities for the lesson Reading of teaching and learning activities and identification of areas that require clarification 	 3.1 In your respective subject areas, identify teaching learning activities in the lessons that need clarification. For example, the gigsaw technique in history, think-pairshare in geography, concept mapping, Shower thought, Know, Want to know, Leant (KWL), differentiated tasks groupings. 	40 mins
 Reading of assessment opportunities and ensuring they are aligned to the NTEAP and required course assessment: subject project (30%), subject portfolio (30%) and end of semester examination (40%) 	 3.2 In groups, discuss how the suggested teaching and learning activities can be applied by student teachers during the STS. 3.3 In your groups, refer to the NTEAP document and examine the assessment tasks in lesson six of each course to see if they are aligned the NTEAP. For example, the nature of the assessment tasks in terms 	
Working through one or two activities,	of assessment as learning, assessment for learning and assessment of learning.	
 4. Evaluation and review of session: Identification of any outstanding issues relating to this lesson for clarification Advance preparation In the case of unresolved issues 	 4.1 Refer to lesson six in the course manual of the various subjects and point out any outstanding issues that needs to be addressed. For example, issues related to the concepts, activities, GESI, SEN, Pedagogy or strategies etc. 4.2. In your respective groups discuss unresolved issues. 4.3. Read lessons seven in your various subject prepare for the next PD session 	5 mins
Course assessment in accordance with the NTEAP: SWL need to review assessment in the course manual to ensure it complies with NTEAP implementation and the 60% continuous assessment and 40 % End of semester examination. This means ensuring: subject project, subject portfolio preparation and development are explicitly addressed in the PD sessions.		

Tutor PD Session for Lesson 7 in the Course Manual

GEOGRAPHY:

- Clouds and Precipitation.
- Resources and sustainable Development

SOCIAL STUDIES:

- Conflict Resolution and Conflict Management Strategies
- Adolescent health and reproductive rights

R.M.E.:

- Traditional Values I
- The Family, Religious Home, and Obedience

HISTORY:

- Economic Development in the Colonial Era I
- Development and use of teaching aids in history

Focus: the bullet points provide the frame for what is to be done. The guidance notes in italics identify the prompt the SL/HoD needs and each one must be addressed.	Guidance Notes on Tutor Activity during the PD Session. What PD Session participants (Tutors) will do during each state of the session)	Time in session
 Introduction / lesson overview Reflection on previous PD Session (Introduction to the course manual/s) 	1.1 Reflect and tell how useful lesson six PD session in your respective subject areas was and influenced your lesson delivery.1.2 Discuss the purpose of the lesson.	30 mins
Introduction and overview of the main purpose of the lesson in the course manual/s	Examples RME: the purpose of the lesson is to equip student- teachers with knowledge about traditional values and skills to be able to teach RME Social Studies: the purpose of the lesson is to help student teachers become conscious of the need to use conflict mechanisms in dealing with conflict	
Identification of important or distinctive aspects of the lesson/s	Geography: the purpose is to help student teachers use their knowledge and skills about clouds and precipitation to teach the basic school curriculum. History: the lesson is to help student-teachers appreciate how the low economy was diversified to suit the demands of the colonist	

 Reading and discussion of the introductory sections up to learning outcomes 1.3 Identify distinctive aspects of lesson seven.

Examples:

History: colonial agents of development, nature of colonial economy

Geography: clouds, adiabatic processes, precipitation

Social Studies: conflict management, conflict resolution

RME: traditional values, religious values.

1.4 Read and discuss the learning outcomes of your respective subject areas.

Examples:

History: LO: appreciate the nature of precolonial economy

LI: outline the features of the precolonial economy

Geography: LO: demonstrate skills in managing severe storms

LI: discuss ways of managing severe storm hazards and disasters.

Social Studies: LO:demonstrate knowledge of the concepts of conflict resolution and conflict management and the difference between them.

LI: explains the meaning of conflict resolution and conflict management and the difference between them.

RME: LO: demonstrate knowledge and understanding of traditional values

LI: explain traditional values

1.5 Read your respective subject areas course descriptions in the course manuals and come out with the key issues.

E.g., the lesson Resources and Sustainable Development 1 in Geography introduces student teachers to the study of aspect of Regional Geography with a focus on resources and sustainable development exposing them to the types of resources (natural, human, and cultural).

1.6 Read from the course manuals of your respective subject areas and come out with the relationship between course description and learning outcome.

 E.g., course description for the lesson Clouds and Precipitation in Geography is to expand the student teacher knowledge on cloud development and precipitation. E.g., of learning outcome of the lesson is, student teachers will be able to familiarize with clouds and adiabatic processes. 1.7 Share and discuss your findings with your colleagues to make comments. 1.8 Identify cross-cutting issues in your various subject areas in lesson seven. These include: ✓ GESI (appreciate the roles of both men and women in the colonial economy ✓ Appreciating the need to involve both men and women in religious activities in our families and neighbourhood. ICT, SEN (Effects: ✓ of conflict on the vulnerable groups such as the physical shallowed in our society. 	
2.1 Identify the key concepts in your various subject areas which need to be clarified.	25 mins
Examples of Concepts:	
Social Studies: development, peace, resolution, health, rights etc. Geography:	
precipitation, sustainability, development, Weather, climate, etc.	
History: development, colonial, economy, barter trade, etc. RME:	
Values, family, humanity, brotherhood, communal, etc.	
teaching and learning of lesson seven in your subject areas and discuss ways of addressing these as a group and across subjects	
E.g., Tutors will be facing difficulty of some concepts not adequately dealt with. Lessons may not be appropriately understood by student teachers.	
	Precipitation in Geography is to expand the student teacher knowledge on cloud development and precipitation. E.g., of learning outcome of the lesson is, student teachers will be able to familiarize with clouds and adiabatic processes. 1.7 Share and discuss your findings with your colleagues to make comments. 1.8 Identify cross-cutting issues in your various subject areas in lesson seven. These include: ✓ GESI (appreciate the roles of both men and women in the colonial economy ✓ Appreciating the need to involve both men and neighbourhood. ICT, SEN (Effects: ✓ of conflict on the vulnerable groups such as the physical challenged in our society 2.1 Identify the key concepts in your various subject areas which need to be clarified. Examples of Concepts: Social Studies: development, peace, resolution, health, rights etc. Geography: precipitation, sustainability, development, Weather, climate, etc. History: development, colonial, economy, barter trade, etc. RME: Values, family, humanity, brotherhood, communal, etc. 2.2 Identify and discuss possible challenges to the teaching and learning of lesson seven in your subject areas and discuss ways of addressing these as a group and across subjects E.g., Tutors will be facing difficulty of some concepts not adequately dealt with. Lessons may not be appropriately

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	 GESI: ✓ Differences in leadership roles between men and women in religious institutions SEN: ✓ The missing roles of the vulnerable groups in conflict resolution and management. ✓ The missing roles of the vulnerable in leadership positions e.g., blind person can be a leader or a chief. ICT, Controversial issues. 	
	2.3 Identify resources that may be needed in teaching and learning the concepts identified in lesson seven taking into consideration GESI, SEN, local availability and cultural and religious sensitivity.	
	Examples of resources: Audio-visual Equipment and Video clips on meeting the needs of the youth	
	Meteorological instruments, computers/laptops, projector/screen etc.	
	2.4 Identify GESI and SEN responsive resources which can help in the teaching of concepts	
 3. Teaching, learning and assessment activities for the lesson Reading of teaching and learning activities and 	3.1. Read through the teaching and learning activities of lesson seven in your various subject areas and identify activities which need to be considered in various subject areas.	40 mins
identification of areas that require clarification	E.g., Students fill the KWL chart with what they Know about teaching aids	
 Reading of assessment opportunities and ensuring they are aligned to the NTEAP and required course 	Through pair-share students teachers come out with the meaning of teaching aids or teaching learning resources. NOTE: Ask tutors to pay special attention to the activities relating to cross cutting issues like GESI, SEN and ICT.	
assessment: subject project (30%), subject portfolio (30%) and end of semester	Examples of GESI and SEN issues: a) Provision made for vulnerable. b) Both men and women should be given leading	
examination (40%)	roles in group task c) Equal distribution of questions to varies group of without considering gender, ability etc.	
 Working through one or two activities, 	Ref: Writing the weekly PD session-pp 3., NTS 1a, b, c, d, 2b, e, f, 3b, c	

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	 3.2. Identify some transferable skills that can be developed or applied using teaching and learning activities. E.g., Critical Thinking, communication and collaboration skills, literacy skills, ICT skills, creativity, leadership etc. 	
	3.3. Any volunteer to demonstrate how to use the activities in the course manuals of various subject areas to teach for your peers to observe and comment.	
	3.4. In your various subject areas, shower thought to bring out various teaching and learning activities that can develop student teachers project and subject portfolio during STS activities.	
	3.5. In your various subject areas study the assessment tasks of lesson seven in the course manuals to find out if they are aligned to the NTEAP.	
	E.g., the nature of the assessment tasks in terms of assessment as learning, assessment for learning and assessment of learning. Share your findings with your colleagues.	
	3.6. Teach a model presentation of an activity using ICT tools taking into consideration GESI and SEN issues in the lessons.	
 4. Evaluation and review of session: Identification of any outstanding issues relating 	4.1 Review session and identify any outstanding issues relating to lesson seven of the various subject area course manuals for clarification.	5 mins
to this lesson for clarification	4.2 Identify some outstanding issues relating to lesson seven for clarification.	
 In the case of unresolved issues 	E.g., issues related to GESI, SEN (e.g., how to be patient with statrerers, using tactiles for visually challenged etc.	
	4.3 Show by hand the extent to which you are satisfied with this session.	
	4.4 Discuss how to tackle the unresolved issues relating to this session for further clarification. E.g., Can be of a way unresolved issue addressed: Create WhatsApp platform and add tutors of the respective	
	subject areas for discussion.	

Advance preparation

Advance Preparation:

Read lessons eight in the course manual of your respective subject areas to prepare for the next PD session.

Reminders:

- a) Find a critical friend from the same or related subject area to observe your lesson during teaching and provide feedback (NTS 1a).
- b) Read the course manual, the PD session guide in advance to be able to identify any outstanding issues relating to the lesson for clarification.
- c) Gather all-inclusive resources (e.g., projector, flip chart and laptop, video clips etc.)
- 4.4. Tutors in advance prepare samples of the instructional materials to be used in time and rehearse how these may be used to support the achievement the lesson (s).

Course assessment in accordance with the NTEAP: SWL need to review assessment in the course manual to ensure it complies with NTEAP implementation and the 60% continuous assessment and 40 % End of semester examination. This means ensuring: subject project, subject portfolio preparation and development are explicitly addressed in the PD sessions.

Tutor PD Session for Lesson 8 in the Course Manual

Geography:

- Resourses and Sustainable Development 2
- Atmospheric Disturbances

History:

- Preparing Scheme of learning
- Economic development in the Colonial era 2

RME:

- Traditional Values 2
- Religious festivals 2

Social Studies:

- The Process of Peace Building in Society
- Challenges of Adolescents and its implications

Focus: the bullet points provide the frame for what is to be done. The guidance notes in italics identify the prompt the SL/HoD needs and each one must be addressed	Guidance Notes on Tutor Activity during the PD Session. What PD Session participants (Tutors) will do during each state of the session)	Time in session
Introduction / lesson overview	1.1 Sit according to your subject areas.	30 mins
Reflection on previous PD Session (Introduction to the)	1.2 Reflect on the previous PD sessions (session 7).	
course manual/s)	1.3 Refer to the lesson 8 in your course manual to give an overview of the main purpose of lesson 8.ExamplesHistory: the purpose is to help student-teachers	
 Introduction and overview of the main purpose of the 	understand the social and cultural diversities	
lesson in the course manual/s	RME : the purpose is to help student-teachers understand the importance of traditional values and how to teach them	
Identification of important or distinctive aspects of the lesson/s	Geography: the purpose is to help student-teachers understand the airmasses and fronts and the types of atmospheric disturbances	
	Social Studies: the lesson is intended to help student- teachers use their knowledge of processes of peace building to teach the basic curriculum	

 Reading and discussion of the introductory sections up to learning outcomes 1.4 Identify the key or distinctive aspect of lesson 8 in your various course manuals.

Examples

History: influence of foreign cultures, education reforms, the great depression

RME: social/moral values, economic values, political values

Geography: Airmasses and fronts, severe storm hazards, atmospheric disturbances

Social Studies: peace building, importance of peace building,

1.5 Read the introductory session of your respective lessons in the course manual up to the learning outcomes and indicators noting down, important issues for discussions.

Examples

History

LO: appreciate factors responsible for growth since independence

LI:present findings on factors responsible for growth in the education sector since independence

Geography

LO: demonstrate knowledge of the characteristics and types of atmospheric disturbances

LI: describe the characteristics and types of atmospheric disturbances

Social Studies

LO: apply the knowledge and understanding gained to understand the functions of the national peace council **LI**:Discuss the functions of the national peace council

RME

LO: demonstrate knowledge and understanding of traditional values

LI: role play scenarios to exhibit traditional values

1.6 Check the assessment procedures in the lesson 8 in the course manual of your respective course areas to find out if they are aligned to the NTEAP.

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	1.7 Anticipate questions which might arise from the introduction to the lesson and provide responses.	
	 E.g. 1. Why did the women laid down cloths for jesus's horse to walk on? RME. 2. Whether fronts occur in Ghana, if not why? 3. The role of males and females in economic activities in the colonial era etc. 	
2. Concept Development (New learning likely to arise in this lesson):	2.1 Identify the key concept in your various subject areas as in the course manuals.	25 mins
 Identification and discussion of concepts 	For examples: RME: Religious festivals, Palm fronds, triumphant journey	
	Social Studies: Adolescent, chastity, peace building	
 Identification of possible challenging areas in teaching of the concept. 	Geography : fronts, atmospheric disturbances, storms, air masses etc	
	History: scheme preparation, economic development,	
 Identification of needed resources for the teaching and learning of the concept. 	2.2 In your respective subject based groups discuss how these key concepts can be delivered at the basic school curriculum.	
	2.3 In your respective groups identify key challenging areas in teaching the concept identified.	
	 ✓ Other religious faith has problem of understanding the concept of Palm Sunday. ✓ Difficulty with some concepts in Lesson not adequately understood by student teachers. 	
	2.4 In pairs discuss how to address these challenges to enable student teachers to be able to deliver the concepts in the basic school curriculum and share with colleagues.	
	2.5 Identify the resources required for the teaching and learning of the concept.	
	E.g., Laptops, projectors, electricity supply, internet accessibility, sample scheme of learning etc.	

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	2.6 Identify cross-cutting issues in respect of lesson 8 in	
	the respective courses of each subject area.	
	For example, GESI (The activities of men and women that impact(ed) on:	
	 ✓ Illegal mining and environmental degradation (Galamsey). 	
	✓ Scheme of learning with respect to the old and new curriculum at the basic schools.	
	 ✓ Traditional Values 2 ✓ Challenges of Girl child and its implication. ✓ Widowhood rites (RME) 	
	✓ Early marriage	
	✓ Special care for the girl child	
	2.7 Discuss the pertinent issues surrounding some of these subject areas.	
3. Teaching, learning and assessment activities for the lesson • Reading of teaching and	3.1 Read through the suggested teaching and learning activities for the lesson which is unclear to them with deliberate attention with issues related to GESI and ICT.	40 mins
learning activities and identification of areas that require clarification	3.2 Brainstorm on how to address the unclear issues in lesson 8 of your respective subject areas for clarification	
 Reading of assessment opportunities and ensuring they are aligned to the 	3.3 A volunteer should demonstrate how to use the activities to teach for colleagues to observe and discuss	
NTEAP and required course assessment: subject project (30%), subject portfolio	3.4 Study the assessment tasks to find out if they are aligned to the NTEAP.	
(30%), subject portions (30%) and end of semester examination (40%)	3.5 In groups discuss the suggested teaching and learning activities that can be applied by student teachers during STS.	
 Working through one or two activities, 	Note: These activities should lead to the development of the core and transferable skills that include: • Leadership skills • Language acquisition	
	 Critical thinking and problem solving Social and personality development 	

 4. Evaluation and review of session: Identification of any outstanding issues relating to this lesson for clarification 	4.1 Let's reflect on the lesson and identify issues that need clarification if any.4.2 Read on lesson nine for our next pd session. Bring your course manuals along for the next session.	5 mins
Advance preparation	4.3 Do you still have issues we need to address?	
In the case of unresolved issues		
Course assessment in accordance with the NTEAP: SWL need to review assessment in the course manual to ensure it complies with NTEAP implementation and the 60% continuous assessment and 40 % End of semester examination. This means ensuring: subject project, subject portfolio preparation and development are explicitly addressed in the PD sessions.		

Tutor PD Session for Lesson 9 in the Course Manual

Geography

- Primary activities and socio-economic development
- Climate Classification Schemes

History

- Preparing scheme of learning
- Problems of Economic Developments in Ghana I.

RME

- Justification for the study of ATR
- Religious Festivals

Social Studies

- Understanding Peace Education
- Adolescent behaviours that hamper their growth and development

Focus: the bullet points provide the frame for what is to be done. The guidance notes in italics identify the prompt the SL/HoD needs and each one must be addressed	Guidance Notes on Tutor Activity during the PD Session. What PD Session participants (Tutors) will do during each state of the session)	Time in session
 Introduction / lesson overview Reflection on previous PD Session (Introduction to the course manual/s) 	1.1 In your respective group, reflect and discuss the successes and challenges you faced during the implementation of the previous PD session.1.2 Identify the important or distinctive aspects of lesson nine in your various subject areas.	30 mins
Introduction and overview of the main purpose of the lesson in the course manual/s	Examples RME: the purpose of the lesson is to expose student- teachers to the need to study ATR as an academic subject. Social Studies: the lesson aims at helping student- teachers to gain knowledge and understanding of the scope, relevance and major teams of peace education Geography: the lesson is intended to help student teachers identify and classify global climates	
 Identification of important or distinctive aspects of the lesson/s 	History: the lesson seeks to help student-teachers broaden their understanding and appreciation of the problems of economic development in Ghana 1.3 Identify the important or distinctive aspects of lesson nine.	

Examples

History: the concept of economic development, problems of economic development

Geography: climate classification schemes

Social Studies: meaning of peace education

 Reading and discussion of the introductory sections up to learning outcomes

RME: cultural rejuvenation, religious rejuvenation, prejudices

1.4 Read and discuss the introductory sections up to learning outcomes

Examples

History

LO: demonstrate knowledge of the challenges in the colonial economy

LI:identify economic challenges in the colonial economy

Geography

LO: demonstrate knowledge of climate classification schemes

LI:describe climate classification schemes

Social Studies

LO:demonstrate knowledge and understanding of the main teams of social education

LI:create a concept map on the main teams of peace education

RME

LO:demonstrate knowledge of the need to teach ATR **LI**: justify the need to study ATR as a section of RME

1.5 Identify cross-cutting issues in respect of lesson nine in your respective courses.

For example, GESI (The activities of men and women that impact(ed) on:

- ✓ Challenges in economic consolidation during the colonial period
- ✓ Primary Economic activities
- ✓ Socio- economic development in Africa
- ✓ The roles of men and women in African

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	traditional religion in the study of ATR. ICT, SEN (Effects: ✓ of Primary Economic Activities on vulnerable groups ✓ socio economic development on the vulnerable groups ✓ of gender roles in the historical development of African traditional religion. 21st Century Skills: Critical thinking, Personal development, communication and collaboration, etc.	
 2. Concept Development (New learning likely to arise in this lesson): Identification and discussion of concepts 	2.1 In your respective subject areas identify and discuss concepts in lesson nine that need clarification. For example Social Studies: Understanding Peace Education Adolescent behaviours that hamper their growth and development	25 mins
 Identification of possible challenging areas in teaching of the concept. 	Geography: climate, classification History: Preparing scheme of learning Problems of Economic Developments in Ghana	
Identification of needed resources for the teaching and learning of the concept.	 RME: Justification for the study of ATR Religious Festivals 2.2 Identify and discuss possible barriers to the learning of the lesson in your subject areas. For example: GESI (the myth about festivals in African Tradition Religion SEN (the myth surrounding people with special needs SEN) ICT, Controversial issues 2.3 In your respective subject areas, identify the needed resources for the teaching and learning of the concepts identified. 	
	For example, internet sources, video clips, resource persons, etc.	

 3. Teaching, learning and assessment activities for the lesson Reading of teaching and learning activities and identification of areas that require clarification 	3.1 In your respective subject areas, identify teaching learning activities in the lessons that need clarification. For example, the gigsaw technique in history, thinkpair-share in geography, concept mapping, Shower thought, Know, Want to know, Leant (KWL), differentiated tasks groupings.	40 mins
 Reading of assessment opportunities and ensuring they are aligned to the NTEAP and required course assessment: subject project (30%), subject portfolio (30%) and end of semester examination (40%) Working through one or two activities. Evaluation and review of session: 	 3.2 In groups, discuss how the suggested teaching and learning activities can be applied by student teachers during the STS. 3.3 In your groups, refer to the NTEAP document and examine the assessment tasks in lesson nine of each course to see if they are aligned the NTEAP. For example, the nature of the assessment tasks in terms of assessment as learning, assessment for learning and assessment of learning. 4.1 Refer to lesson nine in the course manual of the various subjects and point out any outstanding issues that needs to be addressed. 	5 mins
 Identification of any outstanding issues relating to this lesson for clarification Advance preparation In the case of unresolved issues 	For example, issues related to the concepts, activities, GESI, SEN, Pedagogy or strategies etc. 4.2 In your respective groups discuss unresolved issues. 4.3 Read lesson Ten in your various subjects and prepare for the next PD session	
Course assessment in accordance with the NTEAP: SWL need to review assessment in the course manual to ensure it complies with NTEAP implementation and the 60% continuous assessment and 40 % End of semester examination. This means ensuring: subject project, subject portfolio preparation and development are explicitly addressed in the PD sessions.		

Tutor PD Session for Lesson 10 in the Course Manual

Social Studies

- Teaching and Learning Strategies for Peace Education
- Reproductive Health Education

RME

- Contribution of Traditional Religion to national development
- Religious Festivals

History

- Assessment Strategies in History
- Colonial responses to problems of economic development

Geography

- Secondary activities and socio-economic development
- Climate Change I

Focus: the bullet points provide the frame for what is to be done. The guidance notes in italics identify the prompt the SL/HoD needs and each one must be addressed	Guidance Notes on Tutor Activity during the PD Session. What PD Session participants (Tutors) will do during each state of the session)	Time in session
Introduction / lesson overview	1.1 Volunteer lead a relevant ice breaker activity.	30 mins
 Reflection on previous PD Session (Introduction to the course manual/s) 	1.2 Explain how you applied the teaching and learning discussed in our previous PD session in your lessons.	
 Introduction and overview of the main purpose of the 	1.3 Read aloud and discuss the main purpose of lesson 10	
lesson in the course manual/s	Examples Geography: the lesson is intended to equip students with the knowledge of the impact of climate change	
 Identification of important or distinctive aspects of the lesson/s 	History: this lesson focuses on the teaching/learning strategies for teaching peace education etc.	
1.033011/10	Social Studies:	
 Reading and discussion of the introductory sections up to learning outcomes 	To ascertain the level of understanding of concepts etc. RME: This lesson focuses on ATR's contribution to national development etc.	

1.4 Identify important or distinctive aspects of the lesson

Examples

Geography: greenhouse gasses, global warming, impact of climate change

History: *economic development*

Social Studies: peace education, common core school curriculum

RME: contribution of ATR to national development, conservation of cultural values

1.5 Discuss the relationships between the Learning Indicators (LIs) and the Learning Outcomes (Los).

Examples

Geography:

LO: demonstrate understanding of the impact of climate change

LI:explain the impact of climate change with pictorial evidence

History:

LO:demonstrate understanding of interventions by the colonial government to mitigate challenges to economic development

LI:examine interventions by the by the colonial government to mitigate challenges to economic development

Social Studies:

LO:evaluate reproductive health education as a strategy to help adolescents make informed decisions LI:explain how knowledge of adolescent health can be used to help adolescents make decisions

RME:

LO:demonstrate knowledge of the role of ATR in national development
LI:compose relevant probing question about ATR and

national development

1.6 Discuss the core and transferable skills in the lesson of your course.

	NB: This may include vocabulary and fundamental	
	concepts and issues relating to SEN .	
	Encourage tutors to discuss the core and transferable	
	skills in the lessons of their various course manuals.	
	Examples of these skills includes digital skills,	
	communication and collaborative skills through group	
	discussion in the respective subject areas, ICT skills	
	through the use of internet to search for information,	
	creativity through assignments and project work, leadership, enquiry skills through research etc	
	icuacismp, enquiry skins emough rescurence	
2. Concept Development (New learning likely to arise in this lesson):	2.1 Identify and discuss familiar and unfamiliar concepts in the lesson of your subject area.	25 mins
 Identification and discussion 	Example of concepts in the various subject areas:	
of concepts	Social Studies: Reproductive health. Strategyy, Peace,	
	Misconceptions, demography etc.	
	Geography: socio-economic development, primary	
	economic activities, secondary activities, weather patterns, climate change, greenhouse gases, global	
	warming etc.	
	History : Assessment, Strategy, colonial period,	
	government, economic development etc.	
	RME: Development, cultural values, morality,	
	conservation, Religious Festivals etc.	
	2.2 Explain misconceptions that may arise from	
	discussion of the concepts.	
	For example, misconception in the teaching the	
Identification of possible	concept reproductive health in social studies includes	
challenging areas in teaching	whether pregnancy can occur through anal sex, oral	
of the concept.	sex, or nonpenetrative sex.	
	2.3 Discuss possible challenging areas that encounter	
	in teaching some of the concepts identified.	
	NB:	
	✓ How to use, zoom, telegram or power point	
	presentation to teach specific topics in social	
	studies, history, RME and geography ✓ Misconceptions and misinformation about	
	certain concepts	
	✓ How to overcome challenges of GESI (gender	
	stereotyping)	
	✓ Poor internet and power supply	

Identification of needed resources for the teaching and learning of the concept.	 ✓ Cultural and religious sensitivity especially in RME etc. ✓ Controversial issues that may arise in teaching the concepts etc. 2.4 Discuss the resources that can be used to teach the concept identified. For example i. The use of ICT resources for teaching the concepts. ii. Use of resource persons iii. Use of Audio-visual Equipment and Video clips. iv. Internet facility and laptop computer/PCs v. Brailler, Scanner and Embosser to cater for SEN vi. Use of flip charts etc. NB: The needed resources must cater for GESI responsive issues and must include the use of ICT resources for teaching the concepts. 	
 3. Teaching, learning and assessment activities for the lesson Reading of teaching and learning activities and identification of areas that 	3.1 Identify and discuss teaching and learning activities that may vary from your previous experiences and requires further clarifications. NB: Tutors discuss how to use these activities during lesson delivery.	40 mins
identification of areas that require clarification	lesson delivery. Examples of Teaching and Learning Strategies for	
 Reading of assessment opportunities and ensuring they are aligned to the NTEAP and required course assessment: subject project (30%), subject portfolio (30%) and end of semester examination (40%) 	various subject in the social sciences: Social Studies: Shower thoughts, Concept maps, small group activity etc. RME: Shower thoughts: Concept maps, E-learning, seminar, Peer teaching etc.	
 Working through one or two activities, 	History: Presentations of models, Mapping of the concepts, Inquiry Learning, Think-pair-share etc. Geography: E-learning opportunities, Shower thoughts, access to online videos (YouTube) etc.	
	3.2 Discuss the teaching and learning activities identified in the course manuals of their subject areas and relate them to GESI, ICT and SEN.	
	For example, i. Check whether classroom arrangement will	

	allow the physical challenged to take part in all activities ii. Select teaching activities that will ensure equal participation of girls, boys and students with special needs. iii. Using ICT techniques (zoom, telegram, power point presentation etc.) to teach specific lessons in the various subject areas that is appropriate for all. 3.3 Explain how student teachers can applied the teaching and learning activities identified in your various subject areas during their STS sessions. 3.4 Read and discuss the assessment aspect of the lessons in the course manual of your subject areas to ensure that they are aligned to NTEAP. NB: ✓ The mode of assessment may include assessment for learning, assessment as learning assessment of learning. ✓ It may also include assessment of portfolio of student teachers during the STS session of their	
4. Evaluation and review of	training ✓ Subject project assessment. 4.1 Identify unresolved issues that need further	5 mins
session:	clarification in the respective subject areas.	
Identification of any outstanding issues relating to this lesson for clarification	NB : It must include lesson specific issues and issues relating to GESI, ICT and SEN. For example, controversial issues and unfamiliar concepts must identified.	
 In the case of unresolved issues 	4.2 State what you can do to solve the case of any unresolved issues in your subject areas. Example tutors must use appropriate TLMs	
Advance preparation	(projectors, flip charts, internet resources etc.) to help resolve the outstanding issues.	
	4.3 Read on lesson 11 in the course manuals of your various subject areas for our next PD session.	

Course assessment in
accordance with the NTEAP:
SWL need to review
assessment in the course
manual to ensure it complies
with NTEAP implementation
and the 60% continuous
assessment and 40 % End of
semester examination. This
means ensuring : subject
project, subject portfolio
preparation and development
are explicitly addressed in the
PD sessions.

Tutor PD Session for Lesson 11 in the Course Manual

Geography

- Climate change II
- Tertiary activities and socio-economic development.

History

- Classroom management practices in history
- Field work presentation

RME

- Rites of passage
- Survey on ATR beliefs

Social Studies

- Attributes of a peace educator
- Reproductive rights education

Focus: the bullet points provide the frame for what is to be done. The guidance notes in italics identify the prompt the SL/HoD needs and each one must be addressed	Guidance Notes on Tutor Activity during the PD Session. What PD Session participants (Tutors) will do during each state of the session)	Time in session
Introduction / lesson overview Reflection on previous PD Session (Introduction to the course manual/s)	 2.1 In your respective groups, reflect and discuss the successes and challenges (if any) you faced during the implementation of the previous PD session. E.g. integration of GESI, ICT and other cross cutting issues into the lesson, emerging issues and how they were handled, appropriateness of resource materials, controversial issues and concepts 	30 mins
 Introduction and overview of the main purpose of the lesson in the course manual/s Identification of important or distinctive aspects of the lesson/s 	 2.2 In pairs think and share your expectations about this PD session. 2.3 One of you should volunteer and read out from course manual the lesson description and purpose. After that the group should discuss the implications of the purpose for teaching the lesson. E.g., to efficiently teach the lesson on reproductive rights, the tutor must familiarise him/herself with 	
	rights, the tutor must familiarise him/herself with Ghana's policy document on these rights as well as the SDG goals 3 and 7	

	2.4 Identify the important or distinctive aspects of lesson eleven in your respective subject areas.	
 Reading and discussion of the introductory sections up to learning outcomes 	NOTE: the distinctive features may include the scope of the lesson in terms of contents, the LOs and learning indicators, purpose of each lesson, GESI responsive resources including resource persons to assist visually impaired students during community visits in the case of Regional Geography and History, etc.	
	2.5 In your subject groupings Identify cross-cutting issues in respect of lesson 11 and explain how you can integrate them in your lesson.	
	For example, GESI (in RME; Examples of How the rites of passage affect men and women: Social studies; cite examples of involvement of men and women with the requisite attributes for peace building ICT: integrating power point presentation as a technique of teaching, internet links e.g., the following link on gender dimensions of climate change can be used to illustrate: https://www.undp.org/sites/g/files/zgkgke326/files/publications/Gender_climate_change_training_module, etc in lesson delivery, SEN (History): ✓ The need to consider persons with special needs when assigning student teachers for field work 21st Century Skills: ✓ Critical Thinking, ✓ Personal development, ✓ Communication and Collaboration, etc.	
2. Concept Development (New learning likely to arise in this lesson):	2.1 In your respective subject areas identify and discuss concepts in lesson two that need clarification.	25 mins
 Identification and discussion of concepts 	For example Social Studies: reproductive rights, adolescent reproductive needs and wants. reproductive health	
 Identification of possible challenging areas in teaching of the concept. 	needs are necessities must have to adolescents to ensure proper and healthy growth, e.g., education on reproductive rights. Reproductive wants are desires adolescents wish to have in order to add comfort to their lives, e.g., sex,	

		, ,
 Identification of needed resources for the teaching 	Geography: tertiary, mitigation, adaptation	
and learning of the concept.	History: historical writing, assessment as, of and for learning, archival studies	
	RME: Scripture, myth, symbol	
	2.2 In your respective groups identify and discuss possible barriers to the learning of the lesson.	
	For example: Doctrinal differences and biases of the tutor and among student-teachers may affect their appreciation of rites of passage in ATR.	
	Social Studies: Mistrusts and sceptisms among student-teachers about the neutrality of peace builders, the possibility the presence of student teachers who have been part of a violent conflict or victims of a violent conflict	
	SEN (the myth surrounding people with special needs SEN)	
	ICT, Controversial issues such as reproductive needs and wants, etc	
	2.3 In your respective subject areas identify the needed resources for the teaching and learning of the concepts identified.	
	E.g., internet sources, GESI responsive video clips, flip charts, resource persons, Reference materials on archival research writing, examples of archival materials, the Basic school curriculum for history and RME, Ghana's reproductive rights policy document, the SDGs, reference materials with page numbers in each course, tactile devices, brailing equipment and materials etc.	
3. Teaching, learning and assessment activities for the lesson	3.1 In pairs identify teaching learning activities in the lesson that need clarification in your respective courses	40 mins
 Reading of teaching and learning activities and identification of areas that require clarification 	E.g., the steps involved in using the Value clarification technique in social studies and RME such as identification of a problem or controversial issue,	
require ciarification	identification of a problem of controversial issue,	

- choosing from a list of alternatives, consideration of consequences of choice of each alternative, pricing and cherishing a choice with public declaration, affirming and acting; think-pair- share in geography, concept mapping, shower thought, Know, Want to know, Leant (KWL), differentiated tasks groupings.
- Reading of assessment opportunities and ensuring they are aligned to the NTEAP and required course assessment: subject project (30%), subject portfolio (30%) and end of semester examination (40%)
- 3.2 In your groups examine the teaching and learning activities of each course in the course manual and indicate if they link up with Los and learning indicator(s) of the lesson in respect
- 3.3 In your respective groups, discuss how you can integrate GESI issues in the teaching and learning activities of each of the lessons in your subject.
- Working through one or two activities,
- E.g., When grouping student teachers for discussion, special attention should be given to students who are physically challenged. Also, mixed ability grouping, gender balanced grouping, assigning leading roles to both males and female student teachers, use of teaching and learning resources that portray both male and female examples, resource persons to assist students with hearing impairment
- 3.4 In your groups, read through the teaching and learning activities and point out the core and transferable skills, including the 21st century and ICT skills in respective courses
- E.g., **History:** the development of communication and collaboration skills in group work, and critical thinking and problem-solving skills, skills in the use of power point presentation, the skill of internet search in student teachers project work, etc.
- 3.5 In pairs examine the assessment tasks and point out how they align to the NTEAP.

Consider the assessment components E.g., Portfolio: Student-teachers' portfolio assessment in Social studies. Project: assessment of research presentation in History.

3.6 In your groups, discuss how you can support your student teachers to use the techniques and strategies learned in the PD session in their STS.

	3.7 One person from each subject area should model a presentation of an activity using ICT tools and taking into consideration GESI issues (e.g., using teaching and learning resources that capture examples of male and female characters, assigning leadership roles to both males and females their groups, and in the demonstration of the ICT tools in the lesson.	
 4. Evaluation and review of session: Identification of any outstanding issues relating to this lesson for clarification 	4.1 Take turns to mention what you have learned from this PD session. Show by fingers or nods and shaking of the head sideways as to those who are really satisfied and those who are not satisfied. E.g., tutors with no fingers, hearing impairment	5 mins
Advance preparation	4.1 In your groups go over the issues discussed during this PD session and reflect to find out if there are outstanding issues to resolved.	
In the case of unresolved issues	Take Home task Do further research on the outstanding issues and share your findings on the group's social media platform. E.g., WhatsApp, telegram, etc. for discussion and incorporation into the lesson. For example, issues related to the concepts, activities, GESI, Pedagogy or strategies etc. 4.4 Read lesson 12 in the course manual of your course and prepare for the next PD session. NOTE: you are reminded to invite a critical friend within your subject area observe your teaching and give feedback to you Also note that lesson 12 reviews the entire semester's work	
Course assessment in accordance with the NTEAP: SWL need to review assessment in the course manual to ensure it complies with NTEAP implementation and the 60% continuous assessment and 40 % End of semester examination. This means ensuring: subject project, subject portfolio		

preparation and development	
preparation and development	
are explicitly addressed in the	
are explicitly addressed in the	
PD sessions.	
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Tutor PD Session for Lesson 12 in the Course Manual

Geography:

• Course Summary/Review

History:

• Course Summary/Review

Social Studies:

• Course Summary/Review

RME:

• Course Summary/Review

Focus: the bullet points provide the frame for what is to be done. The guidance notes in italics identify the prompt the SL/HoD needs and each one must be addressed	Guidance Notes on Tutor Activity during the PD Session. What PD Session participants (Tutors) will do during each state of the session)	Time in session
Introduction / lesson overview	1.1 Reflect on PD sessions 1-11.	
 Overview of subject/s age phase/s to be covered in this PD session and how it will be oprganised. Including guidance on grouping tutors 	1.2 Refer to your course manuals and give an overview.1.3 Refer to your course manual and explain the main purpose of the various lessons.	
according to the subject/s, age phase/s.Reflection on previous PD	1.4 Identify and write down cross cutting themes in their individual lessons.	
Session (Introduction to the course manual/s)	1.5 Share with their colleagues cross cutting issues identified	
 Introduction and overview of the main purpose of the lesson in the course 	1.6 Read and discuss the introduction to the learning outcomes.	
manual/s	1.7 Identify distinctive features of your lessons including use of ICT, GESI, etc.	
 Identification of important or distinctive aspects of the lesson/s 	1.8 Identify assessment procedure taking cognisance of the NTEAP.	
 Reading and discussion of the introductory sections up to learning outcomes 	1.9 Anticipate questions which might arise and provide responses.	
	1.10 Anticipate controversial questions related to GESI and ICT and provide responses.	

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2. Concept Development (New	2.1 Identify key concepts from their course manuals	25 mins
learning likely to arise in		
this lesson):	2.2 Identify possible challenging areas in teaching the	
 Identification and discussion of concepts 	concepts identified.	
	2.3 Identify needed GESI and ICT resources for	
• Identification of possible challenging areas in teaching	teaching and learning the concept	
of the concept.	2.4 Identify any aspect of the lesson that might be	
	challenging for you in terms of new learning, and	
Identification of needed	which needs to be considered prior to going	
resources for the teaching and learning of the concept.	through the lesson activities.	
	2.5 Identify resources that may be needed taking into consideration local availability and cultural and	
	religious sensitivity.	
3. Teaching, learning and	3.1 Read through the teaching and learning activities	40 mins
assessment activities for the lesson	and identify activities you consider unclear paying attention to activities that are related to GESI and	
Reading of teaching and	ICT.	
learning activities and		
identification of areas that	3.2 Choose specific activities to do and explain how to	
require clarification	implement them	
	3.3 Demonstrate how to use the activities to teach	
Reading of assessment	while your colleagues observe and comment.	
opportunities and ensuring they are aligned to the	3.4 Study the assessment tasks to find out if they are	
NTEAP and required course	aligned to the NTEAP. Share your findings with	
assessment: subject project	colleagues.	
(30%), subject portfolio	2 E Study the linkages between the activities, the LO	
(30%) and end of semester	3.5 Study the linkages between the activities, the LO and LIs and identify specific unfamiliar areas that	
examination (40%)	need further clarification (e.g., selection of GESI	
	content and use appropriate ICT tools such zoom,	
• Working through one or two	Google class, LMS, etc.	
 Working through one or two activities, 		
activities,	3.6 Demonstrate how to use unfamiliar teaching	
	strategies.	
	3.7 Use think-pair-share to identify areas to assess and	
	explain how you will assess any of the assessment	
	components in the NTEAP.	
	3.8 Identify questions on controversial issues or make	
	suggestions as to how to successfully implement	
	the new contents and strategies.	

	 3.9 Identify where, and which, core and transferable skills, including digital skills, are being developed or applied. 3.10 Identify where power point presentations or other resources need to be developed to support learning. 	
 4. Evaluation and review of session: Identification of any outstanding issues relating to this lesson for clarification Advance preparation In the case of unresolved issues 	 4.1 Review session and identify any outstanding issues relating to this lesson for clarification. 4.2 Review the PD sessions and indicate how they have impacted your teaching of the lessons in the course manual. 	5 mins
Course assessment in accordance with the NTEAP: SWL need to review assessment in the course manual to ensure it complies with NTEAP implementation and the 60% continuous assessment and 40 % End of semester examination. This means ensuring: subject project, subject portfolio preparation and development are explicitly addressed in the PD sessions.		

The PD session check list: supporting B.Ed. implementation. In some cases, to support implementation the PD sessions may need to add more detail to what is in the course manuals

What to Include in PD sessions: Check list	Checked and In Place.
Course introductions and conclusions	
The first PD session of each semester introduces the course manual/s and course	
expectations to student teachers.	
 The final PD session provides the opportunity to review student teachers learning from the course 	
Prior knowledge: Points for tutors on assessing or activating student teachers' prior knowledge.	
Basic School Curriculum: when topics for student teachers are from the Basic School	
Curriculum the PD session makes explicit links.	
CLO: relevant to the session to be introduced	
Lesson Learning outcomes and indicators. PD s essions provide opportunities for tutors	
to model interactive approaches to teaching and learning they will use to support	
student teachers	
Integration of subject specific content and subject specific pedagogy. This is modelled	
in PD sessions through activities for tutors. Any potentially new or challenging concepts	
are explored with tutors	
Subject Specific Training. Where subjects have been grouped together for the PD	
sessions, tutors are guided to activities in the subject course manuals to ensure the PD	
is not generic. Where appropriate there is direct page or point references to activities in	
each of the relevant subject course manuals.	
Integrating GESI: each PD session explicitly highlights at least two (2) teaching and	
learning activities from the course manual/s which should be used to promote student	
teachers' understanding of GESI responsiveness and support the inclusion of all pupils.	
Assessment. Integrating and embedding NTEAP practices	
PD sessions include at least two continuous assessment opportunities which will	
support tutors in developing student teacher's understanding of and ability to apply	
assessment for or as learning.	
Phase Specific Training. Tutors are guided to specific activities in the relevant phase	
course manuals for EG, UP and JHS. Tutors are advised to group student teachers	
according to the phase they are training for specific activities.	
Building in STS. STS tasks are integrated into the PD sessions. Preparing for work in	
school and opportunities for tutors to draw on what student teachers are learning in	
school by, for example, targeting observations linked directly to the themes in the	
course manuals.	
Building in activities which support the development of 21c skills inpartiular the use of	
ICT. The development of these is integrated into the PD sessions including the use of ICT	
to support learning. Each PD session should include at least two (2) examples of	
students being required to use ICT to extend their learning.	

Resources /TLM. Where specific resources are required, it is clear where tutors can		
access them e.g., videos, online resources or readings.		

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