

## CREATIVE ARTS FIRST TERM SCHEME OF LEARNING –B9

WEEKS	STRAND	SUB STRAND	LESSON	INDICATORS	RESOURCES
1	Design	Drawing, Shading & Coloring	Lesson 1	B9 1.1.1.1 Demonstrate understanding of design as a concept by using the elements and principles of design as a medium for creative expression of design in nature and the manmade environment	Pen, pencil paper/sketch pad
	Visual Arts	Media and Techniques	Lesson 1	B9. 2.1.1.1 Explore and identify media and techniques used to create visual artworks by casting, assemblage and folding	Pencils, paper, scissors, brushes, crayon, color, measuring tools
	Music		Lesson 1	B9 2.1.2.5 Sing in pitch triads on all the seven degrees of the scale horizontally (arpeggios) and vertically (harmony)	Melodic instrument
2	Design	Drawing, Shading & Coloring	Lesson 1	B9 1.1.1.1 Demonstrate understanding of design as a concept by using the elements and principles of design as a medium for creative expression of design in nature and the manmade environment	Pen, pencil paper/sketch pad
	Visual Arts	Media and Techniques	Lesson 1	B9. 2.1.1.1 Explore and identify media and techniques used to create visual artworks by casting, assemblage and folding	Pencils, paper, scissors, brushes, crayon, color, measuring tools
	Dance/Drama		Lesson 1	B9.2.1.3.8 Explore and identify the various approaches to improvisation, creating harmony/balance and blocking for dance and drama	Pictures/diagrams of body profiles and positions
3	Visual Arts	Media and Techniques	Lesson 2	B9. 2.1.1.1 Explore and identify media and techniques used to create visual artworks by casting, assemblage and folding	Pencils, paper, scissors, brushes, crayon, color, measuring tools
	Music		Lesson 2	B9 2.1.2.5 Sing in pitch triads on all the seven degrees of the scale horizontally (arpeggios) and vertically (harmony)	Melodic instrument

	Dance/Drama		Lesson 2	B9.2.1.3.9 Experiment and practise by using the techniques of improvisation, creation of harmony/balance and blocking in dance and drama	Pictures/diagrams of body profiles and positions
4	Visual Arts	Media and Techniques	Lesson 2	B9. 2.1.1.1 Explore and identify media and techniques used to create visual artworks by casting, assemblage and folding	Pencils, paper, scissors, brushes, crayon, color, measuring tools
	Dance/Drama	Creative and Aesthetic Expression	Lesson 3	B9.2.2.3.7 Perform an original dance drama and/or one act play on socio-cultural issues	Pictures/diagrams of body profiles and positions
5	Design	Drawing, Shading & Coloring	Lesson 2	B9 1.1.1.2 Research to identify and record what constitutes the 'elements of design' in nature and as building blocks for creative expression of design ideas	Pen, pencil paper/sketch pad
	Visual Arts	Media and Techniques	Lesson 3	B9. 2.1.1.2 Experiment by using techniques in casting to create visual artworks	Pencils, paper, scissors, brushes, crayon, color, measuring tools
	Music	Creative and Aesthetic Expression	Lesson 3	B9. 2.2.2.4 Design and produce own musical work that reflects a range of different times and cultures that promote and sensitise the public on emerging topical issues	Melodic instrument
6	Design	Drawing, Shading & Coloring	Lesson 2	B9 1.1.1.2 Research to identify and record what constitutes the 'elements of design' in nature and as building blocks for creative expression of design ideas	Pen, pencil paper/sketch pad
	Visual Arts	Media and Techniques	Lesson 3	B9. 2.1.1.2 Experiment by using techniques in casting to create visual artworks	Pencils, paper, scissors, brushes, crayon, color, measuring tools
	Dance/Drama	Creative and Aesthetic Expression	Lesson 4	B9.2.2.3.8 Post-performance analysis of the original dance drama and/ or one act play	Pictures/diagrams of body profiles and positions
7	Visual Arts	Creative and Aesthetic Expression	Lesson 4	B9. 2.2.1.1 Design and produce own visual artworks that reflect a range of different times, cultures and topical issues	Pencils, paper, scissors, brushes, crayon, color, measuring tools

	Music		Lesson 4	B9. 2.2.2.5 Plan and display own and others' musical works within the African continent that promote and sensitise the public on emerging topical issues	Melodic instrument
8	Design	Drawing, Shading & Coloring	Lesson 3	B9 1.1.1.3 Research to identify and record in writing what constitutes the principles of design and describe how they are used to organize the elements of design into building blocks for creative expression of design in nature and the manmade environment.	Pen, pencil paper/sketch pad
	Visual Arts	Creative and Aesthetic Expression	Lesson 4	B9. 2.2.1.1 Design and produce own visual artworks that reflect a range of different times, cultures and topical issues	Pencils, paper, scissors, brushes, crayon, color, measuring tools
	Dance/Drama		Lesson 5	B9.2.2.3.9 Organize an appreciation and appraisal of own and others' dance and drama artworks that reflect a range of different times, cultures and topical issues	Pictures/diagrams of body profiles and positions
9	Design	Drawing, Shading & Coloring	Lesson 3	B9 1.1.1.3 Research to identify and record in writing what constitutes the principles of design and describe how they are used to organize the elements of design into building blocks for creative expression of design in nature and the manmade environment.	Pen, pencil paper/sketch pad
	Visual Arts	Connections In Local And Global Cultures	Lesson 5	B9. 2.3.1.1. Identify, discuss, and analyze creative artworks of African visual artists that reflect their background, influence and way of solving continental issues	Pencils, paper, scissors, brushes, crayon, color, measuring tools
	Music		Lesson 5	B9. 2.3.2.3. Distinguish different ways musical works of African art composers reflect the history, culture, environment and topical issues	Melodic instrument
10	Visual Arts	Connections In Local And Global Cultures	Lesson 5	B9. 2.3.1.1. Identify, discuss, and analyze creative artworks of African visual artists that reflect their background, influence and way of solving continental issues	Pencils, paper, scissors, brushes, crayon, color, measuring tools
	Music		Lesson 5	B9. 2.3.2.3. Distinguish different ways musical works of African art composers reflect the history, culture, environment and topical issues	Melodic instrument

	Dance/Drama		Lesson 6	B9.2.3.3.6 Create and perform a one act play or dance based on your selected African creative work (dance/drama)	Pictures/diagrams of body profiles and positions
II	Visual Arts	Connections In Local And Global Cultures	Lesson 5	B9. 2.3.1.1. Identify, discuss, and analyze creative artworks of African visual artists that reflect their background, influence and way of solving continental issues	Pencils, paper, scissors, brushes, crayon, color, measuring tools
	Music		Lesson 5	B9. 2.3.2.3. Distinguish different ways musical works of African art composers reflect the history, culture, environment and topical issues	Melodic instrument
	Dance/Drama		Lesson 7	B9.2.3.3.7 Conduct a performance review	Pictures/diagrams of body profiles and positions

## CAREER TECH TERM I SCHEME

WEEKS	ASPECT	STRAND	SUB STRAND	INDICATORS	RESOURCES
1	H.E	Health & Safety	Personal Hygiene And Food Hygiene	B9.1.1.1.1: Practice good grooming	Charts & Pictures
	P.T	Health & Safety	Personal And Workshop Safety	B9.1.2.1.1: Describe procedures for reporting accidents and unsafe practices in school and in the laboratory/ workshop/site	Charts & Pictures
2	H.E	Health & Safety	Personal Hygiene And Food Hygiene	B9.1.1.1.2: Observe appropriate food hygiene practices.	Charts & Pictures
	P.T	Health & Safety	Personal And Workshop Safety	B9.1.2.1.2: Use appropriate personal protective equipment when working	Charts & Pictures
3	H.E	Health & Safety	Personal, Workshop And Food Laboratory Safety	B9.1.2.1.1: Describe procedures for reporting accidents and unsafe practices in school and in the laboratory/ workshop/site	Charts & Pictures
	P.T	Health & Safety	Personal And Workshop Safety	B9.1.2.1.3: Maintain safe working environments	Charts & Pictures
4	H.E	Health & Safety	Personal, Workshop And Food Laboratory Safety	B9.1.2.1.2: Use appropriate personal protective equipment when working	Charts & Pictures
	P.T	Materials For Production	Compliant Materials	B9.2.1.1.1: Discuss the factors that influence the selection of compliant materials	Charts & Pictures
5	H.E	Health & Safety	Maintain safe working environments	B9.1.2.1.3: Maintain safe working environments	Charts & Pictures
	P.T	Materials For Production	Resistant Materials	B9.2.2.1.1: Discuss the factors that influence the selection of resistant materials	Charts & Pictures
6	H.E	Health & Safety	Environmental Health	B9.1.3.1.1: Discuss the causes and prevention of poor sanitation in the school/ home/community/ workshop/ site/laboratory	Charts & Pictures
	P.T	Materials For Production	Resistant Materials	B9.2.2.1.2: Discuss the reasons why resistant materials require particular techniques and tools for their safe handling and use	Charts & Pictures
7	H.E	Health & Safety	Environmental Health	B9.1.3.2.1: Discuss what is meant by clean energy and improved cookstoves and fuels	Charts & Pictures

	P.T	Materials For Production	Smart & Modern Materials	B9.2.3.1.1: Discuss reasons for using smart and modern materials for making products/artefacts	Charts & Pictures
8	H.E	Health & Safety	Environmental Health	B9.1.3.2.2: Discuss the benefits of improved cookstoves and fuels	Charts & Pictures
	P.T	Materials For Production	Smart & Modern Materials	B9.2.3.1.2: Demonstrate techniques for making prototypes/ projects to solve problems in the environment using smart and modern materials	Charts & Pictures
9	P.T	Tools, Equipment & Processes	Measuring & Marking Out	B9.3.1.1.1: Discuss tools and equipment used for measuring and marking out	Charts & Pictures
	P.T	Tools, Equipment & Processes	Measuring & Marking Out	B9.3.1.1.2: Demonstrate how to use the tools and equipment for measuring and marking out	Charts & Pictures
10	P.T	Tools, Equipment & Processes	Cutting/Shaping	B9.3.2.1.1: Discuss tools and equipment used for cutting and shaping	Charts & Pictures
	P.T	Tools, Equipment & Processes	Cutting/Shaping	B9.3.2.1.2: Demonstrate how to use shaping and cutting tools and equipment for producing artefacts/products	Charts & Pictures

COMPUTING TERM I SCHEME

WEEKS	STRAND	SUB STRAND	INDICATORS	RESOURCES
1	Introduction To Computing	Components Of Computers	B9.1.1.1.1. Discuss the trends in the next generation of computers B9.1.1.1.2. Examine the concept of Perceptual Computing	Charts & Pictures
2	Introduction To Computing	Components Of Computers	B9.1.1.1.3 Discuss the uses of Output devices such as Wearable Displays, E-Paper, E-Books, Kindle B9.1.1.1.4 Describe Storage Systems: Network and Cloud Storage Systems, Smart Cards, Holographic Storage, Storage Systems for Large Computer Systems (home servers or media servers)	Charts & Pictures
3	Introduction To Computing	Components Of Computers	B9.1.2.1 Explore personalization of the computer B9.1.1.2.2 Identify and use file management techniques (drivers and hardware)	Charts & Pictures
4	Introduction To Computing	Technology In The Community	B9.1.2.1.1. Evaluate problems in the community that can be solved with technology	Charts & Pictures
5	Introduction To Computing	Technology In The Community	B9.1.2.1.2. Propose solutions to the problems identified	Charts & Pictures
6	Introduction To Computing	Technology In The Community	B9.1.2.1.3. Design the solution selected	Charts & Pictures
7	Introduction To Computing	Health & Safety in the Use of ICT Tools	B9.1.3.1.1 Evaluate health issues at workstations	Charts & Pictures
8	Introduction To Computing	Health & Safety in the Use of ICT Tools	B9.1.3.1.2 Evaluate Safety Risk Reduction at issues at workstations	Charts & Pictures

9	Productivity Software	Introduction to Word Processing	B9.2.1.1.1. Demonstrate how to add pictures, insert a screenshot and screen clipping and print screen	Charts & Pictures
10	Productivity Software	Introduction to Word Processing	B9.2.1.1.2. Demonstrate the use of SmartArt	Charts & Pictures
11	Productivity Software	Introduction to Word Processing	B9.2.1.1.3. Demonstrate how to add Multimedia (audios, videos, animations), Charts and Hyperlinks	Charts & Pictures



## ENGLISH LANGUAGE SCHEME OF LEARNING – TERM I

WEEKS	STRAND	SUB STRANDS	INDICATORS	RESOURCES
1	Oral language	Conversation	B9.1.1.1.1. Use appropriate register in everyday communication (informal and formal) with diverse partners on grade-level topics/texts/issue	Word cards, sentence cards, letter cards, handwriting on a manila card
	Reading	Comprehension	B9.2.1.1.1. Read a variety of grade level texts and demonstrate understanding	
	Grammar	Use of Dash	B9.3.2.1.1. Identify and use punctuation marks (dash, hyphen, bracket) in context	
	Writing	Coordinating Conjunctions	B9.4.1.1.1. Compose logically connected paragraphs to show unity, completeness and coherence using appropriate cohesive devices,	
	Literature	Literature	B8.5.1.1.3. Examine how monologues and dialogues are used to convey characters in narratives and play scripts (drama)	
2	Oral language	Conversation	B9.1.1.1.1. Use appropriate register in everyday communication (informal and formal) with diverse partners on grade-level topics/texts/issue	Word cards, sentence cards, letter cards, handwriting on a manila card
	Reading	Comprehension	B9.2.1.1.1. Read a variety of grade level texts and demonstrate understanding	
	Grammar	Use of Dash	B9.3.2.1.1. Identify and use punctuation marks (dash, hyphen, bracket) in context	
	Writing	Subordinating Conjunctions	B9.4.1.1.1. Compose logically connected paragraphs to show unity, completeness and coherence using appropriate cohesive devices,	
	Literature	Literature	B8.5.1.1.3. Examine how monologues and dialogues are used to convey characters in narratives and play scripts (drama)	
3	Oral language	Conversation	B9.1.1.1.2. Ask questions that link the ideas of several speakers and respond to others' questions in a discussion	Word cards, sentence cards,

	Reading	Summarizing	B9.2.2.1.1. Analyse critically a given text in entirety and provide an objective summary	letter cards, handwriting on a manila card
	Grammar	Noun	B9.3.1.1.1. Use noun phrases accurately in context	
	Writing	Paragraphs	B9.4.1.1.2. Develop a paragraph to show paragraph unity and completeness using supporting details (e.g. explanation, elaboration, definition, examples)	
	Literature	Literature	B8.5.1.1.3. Examine how monologues and dialogues are used to convey characters in narratives and play scripts (drama)	
4	Oral language	Conversation	B9.1.1.1.2. Ask questions that link the ideas of several speakers and respond to others' questions in a discussion	Word cards, sentence cards, letter cards, handwriting on a manila card
	Reading	Comprehension	B9.2.1.1.2. Reflect on how reading impacts self and others see the world (contrasting viewpoints, evaluating reasoning, determining importance or credibility)	
	Grammar	Noun	B9.3.1.1.1. Use noun phrases accurately in context	
	Writing	Paragraphs	B9.4.1.2.1. Compose more complex paragraphs using appropriate strategies	
	Literature	Literature	B8.5.1.1.3. Examine how monologues and dialogues are used to convey characters in narratives and play scripts (drama)	
5	Oral language	Conversation	B9.1.1.1.2. Ask questions that link the ideas of several speakers and respond to others' questions in a discussion	Word cards, sentence cards, letter cards, handwriting on a manila card
	Reading	Comprehension	B9.2.1.1.3. Evaluate ways that the media helps to disseminate information via different text types	
	Grammar	Use of hyphen	B9.3.2.1.1. Identify and use punctuation marks (dash, hyphen, bracket) in context	
	Writing	Descriptive Writing	B9.4.2.1.1	

	Literature	Literature	B8.5.1.1.3. Examine how monologues and dialogues are used to convey characters in narratives and play scripts (drama)	
6	Oral language	Conversation	B9.1.1.1.3. Use appropriate language and open-ended questions to discuss grade-level national and global issues	Word cards, sentence cards, letter cards, handwriting on a manila card
	Reading	Summarizing	B9.2.2.1.1. Analyse critically a given text in entirety and provide an objective summary	
	Grammar	Use of hyphen	B9.3.2.1.1. Identify and use punctuation marks (dash, hyphen, bracket) in context	
	Writing	Descriptive Writing	B9.4.2.1.1. Create effective descriptive sentences when describing characters, settings or mood.	
	Literature	Literature	B9.5.1.1.1	
7	Oral language	Conversation	B9.1.1.1.3. Use appropriate language and open-ended questions to discuss grade-level national and global issues	Word cards, sentence cards, letter cards, handwriting on a manila card
	Reading	Summarizing	B9.2.2.1.1. Analyse critically a given text in entirety and provide an objective summary	
	Grammar	Adjectives	B9.3.1.1.2. Demonstrate command using multiple adjectives in the correct order, and using quantifiers effectively in speaking and writing	
	Writing	Narrative Writing	B9.4.2.1.2: Use different narrative techniques to manipulate time in a story. Compose narrative essays showing the following:	
	Literature	Literature	B8.5.1.1.3. Examine how monologues and dialogues are used to convey characters in narratives and play scripts (drama)	
8	Oral language	Conversation	B9.1.1.1.3. Use appropriate language and open-ended questions to discuss grade-level national and global issues	Word cards, sentence cards, letter cards,
	Reading	Comprehension	B9.2.1.1.4. Expand various ideas and perspectives in texts	

	Grammar	Adjectives	B9.3.1.1.2. Demonstrate command using multiple adjectives in the correct order, and using quantifiers effectively in speaking and writing	handwriting on a manila card
	Writing	Narrative Writing	B9.4.2.1.2: Use different narrative techniques to manipulate time in a story. Compose narrative essays showing the following:	
	Literature	Literature	B8.5.1.1.3. Examine how monologues and dialogues are used to convey characters in narratives and play scripts (drama)	
9	Oral language	Conversation	B9.1.1.1.4. Demonstrate appropriate turn taking and use techniques for effective argument (debating)	Word cards, sentence cards, letter cards, handwriting on a manila card
	Reading	Comprehension	B9.2.1.2.1 Read given text, within a specific time, for specific information	
	Grammar	Adjectives	B9.3.1.1.2. Demonstrate command using multiple adjectives in the correct order, and using quantifiers effectively in speaking and writing	
	Writing	Argumentative Writing	B9.4.2.1.3. Write a well-organised persuasive piece (e.g. argumentative) that states and defends a position	
	Literature	Literature	B8.5.1.1.3. Examine how monologues and dialogues are used to convey characters in narratives and play scripts (drama)	
10	Oral language	Conversation	B9.1.1.1.4. Demonstrate appropriate turn taking and use techniques for effective argument (debating)	Word cards, sentence cards, letter cards, handwriting on a manila card
	Reading	Summarizing	B9.2.2.1.1. Analyse critically a given text in entirety and provide an objective summary	
	Grammar	Adjectives	B9.3.1.1.2. Demonstrate command using multiple adjectives in the correct order, and using quantifiers effectively in speaking and writing	
	Writing	Argumentative Writing	B9.4.2.1.3. Write a well-organised persuasive piece (e.g. argumentative) that states and defends a position	

	Literature	Literature	B8.5.1.1.3. Examine how monologues and dialogues are used to convey characters in narratives and play scripts (drama)	
--	------------	------------	---	--

## GHANAIAN LANGUAGE SCHEME OF LEARNING – TERM I

WEEKS	TRAND	SUB STRANDS	INDICATORS	RESOURCES
1	Customs & Institutions	Marriage Rites	B9.1.1.1.1 Discuss the processes involved in performing marriage rites in their culture	Word cards, sentence cards, letter cards, handwriting on a manila card and a class library
	Listening & Speaking	Conversation	B9.2.1.1.1 Use appropriate register in everyday communication (informal and formal) with diverse partners on grade-level topics/ texts/issues	
	Reading	Reading	B9.3.1.1.1 Locate the main and subsidiary points in a range of texts and rewrite logically with accuracy in their own words	
2	Language & Usage	Nouns	B9.4.2.1.1 Discuss nouns under singular and plural forms in an increasing and abstract range of texts.	Word cards, sentence cards, letter cards, handwriting on a manila card and a class library
	Composition Writing	Narrative Writing	B9.5.1.1.1 Plan and structure a range of extended texts using paragraphs to show progression from one idea to the next and linking paragraphs using cohesive language	
	Literature	Literature	B9.6.1.1.1 Explore drum language/appellations and war songs respectively	
3	Customs & Institutions	Marriage Rites	B9.1.1.1.1 Discuss the processes involved in performing marriage rites in their culture	Word cards, sentence cards, letter cards, handwriting on a manila card and a class library
	Listening & Speaking	Conversation	B9.2.1.1.1 Use appropriate register in everyday communication (informal and formal) with diverse partners on grade-level topics/ texts/issues	
	Reading	Reading	B9.3.1.1.1 Locate the main and subsidiary points in a range of texts and rewrite logically with accuracy in their own words	

4	Language & Usage	Nouns	B9.4.2.1.1 Discuss nouns under singular and plural forms in an increasing and abstract range of texts.	Word cards, sentence cards, letter cards, handwriting on a manila card and a class library
	Composition Writing	Narrative Writing	B9.5.1.1.1 Plan and structure a range of extended texts using paragraphs to show progression from one idea to the next and linking paragraphs using cohesive language	
	Literature	Literature	B9.6.1.1.1 Explore drum language/appellations and war songs respectively	
5	Customs & Institutions	Marriage Rites	B9.1.1.1.2 Compare and contrast the marriage rites in their culture to other cultures in Ghana	Word cards, sentence cards, letter cards, handwriting on a manila card and a class library
	Listening & Speaking	Conversation	B9.2.1.1.2 Ask questions that link the ideas of several speakers and respond to others' questions in a discussion	
	Reading	Translation	B9.3.2.1.1 Decode the meaning of texts and translate from source to target language	
6	Language & Usage	Adjectives	B9.4.2.2.1 Discuss how adjectives follow each other in a sentence	Word cards, sentence cards, letter cards, handwriting on a manila card and a class library
	Composition Writing	Descriptive Writing	B9.5.1.1.1 Plan and structure a range of extended texts using paragraphs to show progression from one idea to the next and linking paragraphs using cohesive language	
	Literature	Literature	B9.6.1.1.1 Explore drum language/appellations and war songs respectively	
7	Customs & Institutions	Marriage Rites	B9.1.1.1.2 Compare and contrast the marriage rites in their culture to other cultures in Ghana	Word cards, sentence cards, letter cards,

	Listening & Speaking	Conversation	B9.2.1.1.2 Ask questions that link the ideas of several speakers and respond to others' questions in a discussion	handwriting on a manila card and a class library
	Reading	Translation	B9.3.2.1.1 Decode the meaning of texts and translate from source to target language	
8	Language & Usage	Adjectives	B9.4.2.2.1 Discuss how adjectives follow each other in a sentence	Word cards, sentence cards, letter cards, handwriting on a manila card and a class library
	Composition Writing	Descriptive Writing	B9.5.1.1.1 Plan and structure a range of extended texts using paragraphs to show progression from one idea to the next and linking paragraphs using cohesive language	
	Literature	Literature	B9.6.1.1.1 Explore drum language/appellations and war songs respectively	
9	Customs & Institutions	Marriage Rites	B9.1.1.1.3 Compare and contrast the traditional marriage rites to the contemporary marriage rites and dramatize both	Word cards, sentence cards, letter cards, handwriting on a manila card and a class library
	Listening & Speaking	Conversation	B9.2.1.1.3 Use appropriate language orally to discuss grade-level national issues fluently	
	Reading	Reading	B9.3.1.1.2 Summarize passages read in given number of sentences	
10	Language & Usage	Adjectives	B9.4.2.2.1 Discuss how adjectives follow each other in a sentence	Word cards, sentence cards, letter cards, handwriting on a manila card and a class library
	Composition Writing	Creative Writing	B9.5.1.1.1 Plan and structure a range of extended texts using paragraphs to show progression from one idea to the next and linking paragraphs using cohesive language	



	Reading	Translation	B9.3.2.1.1 Decode the meaning of texts and translate from source to target language	
11	REVISION			
12	END OF TERM ASSESSMENT AND VACATION			

## MATHEMATICS TERM I SCHEME

WEEKS	STRAND	SUB STRAND	INDICATORS	RESOURCES
1	Number	Number & Numeration System	<p>B9.1.1.1.1 Express integers to a given number of significant and decimal places</p> <p>B9.1.1.1.2. Use knowledge and understanding of place value to solve real life problems</p>	Counters, bundle and loose straws.
2	Number	Number & Numeration System	<p>B9.1.1.2.1 Solve problems on relationship between members of the rational number system using knowledge and understanding of the concept of union and intersection of two sets</p> <p>B9.1.1.2.2 Apply the concept of sets to solve problems on relationship between members of rational number system and solve real life problems involving union and intersection of two sets</p>	Counters, bundle and loose straws.
3	Number	Number Operations	<p>B9.1.2.1.1 Multiply and divide given numbers by powers of 10 including decimals and benchmark fractions</p> <p>B.9.1.2.1.2 Demonstrate the ability to determine commutative properties of addition and multiplication</p>	Counters, bundle and loose straws.
4	Number	Number Operations	<p>B9.1.2.1.3 Use the associative property of addition and multiplication.</p> <p>B9.1.2.1.4 Use the distributive property in solving problems.</p>	Counters, bundle and loose straws.
5	Number	Number Operations	<p>B9.1.2.2.1 Solve operations involving addition, subtraction, multiplication and division using word problems.</p>	Counters, bundle and loose straws.

			B9.1.2.2.2 Solve word problems involving the four basic operations and round the answers to the nearest two decimal figures or to some significant figures.	
6	Number	Number Operations	B9.1.2.4.1 Identify simple and compound surds. B9.1.2.4.2 Explain the identities/rules of surds	Counters, bundle and loose straws.
7	Number	Number Operations	B9.1.2.4.3 Simplify given surds B9.1.2.3.4 Approximate the square roots of non-perfect squares with calculators/tables	Counters, bundle and loose straws.
8	Number	Fractions, Decimals and Percentages	B9.1.3.1.1 Review fractions and solve problems involving basic operations on fractions	Counters, bundle and loose straws.
9	Number	Fractions, Decimals and Percentages	B9.1.3.1.2 Add and/or subtract, multiply and/or divide given fractions, using the principle of order of operations including the use of the BODMAS or PEMDAS rule, and apply the understanding of these to solve problems.	Counters, bundle and loose straws.
10	Number	Fractions, Decimals and Percentages	B9.1.3.1.3. Review word problems involving basic operations on fractions.	Counters, bundle and loose straws.
11	Algebra	Patterns and Relations	B9.2.1.1.1 Construct a table of values for two linear relations and graph the relation B9.2.1.1.2 Use graphs of two linear relations to determine subsequent missing elements in ordered pairs of the relation	Cut out patterns
12	Algebra	Patterns and Relations	B9.2.1.1.3 Use graphs to solve equations involving two linear relations.	Cut out patterns

## REL. & MORAL EDUCATION TERM I SCHEME

WEEKS	STRAND	SUB STRAND	INDICATORS	RESOURCES
1	God, His Creation & Attributes	The Purpose & Usefulness Of God's Creation	B9 1.1.1.1: Identify the purpose and usefulness of God's creation	Charts & Pictures
2	God, His Creation & Attributes	The Purpose & Usefulness Of God's Creation	B9 1.1.1.2: Explain how the complex nature of things created by God reveals His nature	Charts & Pictures
3	God, His Creation & Attributes	The Environment	B9 1.2.1.1: Describe human activities that destroy the environment	Charts & Pictures
4	God, His Creation & Attributes	The Environment	B9 1.2.1.1: Describe human activities that destroy the environment	Charts & Pictures
5	God, His Creation & Attributes	The Environment	B9.1.2.1.2 Identify and describe how indigenous Ghanaian culture helps in taking care of the environment	Charts & Pictures
6	God, His Creation & Attributes	The Environment	B9 1.2.1.3: Discuss reasons for taking care for the environment	Charts & Pictures
7	Religious Practices	Religious Festivals	B9 2.1.1.1: State the meaning and types of festivals	Charts & Pictures
8	Religious Practices	Religious Festivals	B9 2.1.1.1: State the meaning and types of festivals	Charts & Pictures
9	Religious Practices	Religious Festivals	B9 2.1.1.2: Describe the activities in festivals celebrated in the three main religions in Ghana	Charts & Pictures

10	Religious Practices	Religious Festivals	B9 2.1.1.3: Identify and explain the social, religious and moral relevance of festivals in the three main religions and relate them to daily life	Charts & Pictures
----	---------------------	---------------------	---	-------------------

## SCIENCE TERM I SCHEME

WEEKS	STRAND	SUB STRAND	INDICATORS	RESOURCES
1	Diversity of Matter	Materials	B9.1.1.1.1 Identify by name binary chemical compounds and discuss their uses.  B9.1.1.1.2 Discuss the formation of binary chemical compounds	Charts & Pictures
2	Diversity of Matter	Materials	B9.1.1.1.3 Describe the characteristics of common acids, bases and salts.  B9.1.1.2.1 Recognize that chemical bond results from the attraction between atoms in a compound	Charts & Pictures
3	Diversity of Matter	Living Cells	B9.1.2.1.1 Discuss the concepts of specialized cells and how they are formed in dicotyledonous plants and humans  B9.1.2.1.2 Examine the functions of specialized cells in dicotyledonous plants such as epidermal, guard cells, cambium, xylem in relation to the existence of the plants	Charts & Pictures
4	Diversity of Matter	Living Cells	B9.1.2.1.3 Examine the functions of specialized animal cells such as (nerve, blood cells, muscle cells and sperm cells) in relation to the existence of humans	Charts & Pictures
5	Cycles	Earth science	B9.2.1.1.1 Explain the process of the nitrogen cycle as a repeated pattern in nature  B9.2.1.1.2 Describe the importance of the nitrogen cycle to the environment	Charts & Pictures
6	Cycles	Life cycles of organisms	B9.2.2.1.1 Describe the life cycle of the grasshopper as a form of incomplete metamorphosis  B9.2.2.1.2 Examine how the activities of the grasshopper affect humans	Charts & Pictures
7	Systems	Human Body systems	B9.3.1.1.1 Explain the concept of the circulatory system, state the function of each part of the system and the health challenges associated with it	Charts & Pictures

8	Systems	Human Body systems	B9.3.1.1.2 Explain the concept of respiration and show how the respiratory and circulatory systems complement each other. (Note that respiration is a chemical reaction that releases carbon dioxide (CO <sub>2</sub> ), water (H <sub>2</sub> O) and energy from glucose and oxygen).	Charts & Pictures
9	Forces & Energy	Energy	B9.4.1.1 .1 List the ways to conserve energy. Examples: ironing in bulk, using energy efficient appliances and switching off appliances when not in use.  B9.4.1.1.2 Explain the importance of energy conservation in daily life  B9.4.1.2.1 Explain how to calculate energy consumed over a period of time	Charts & Pictures
10	Forces & Energy	Energy	B9.4.1.2.2 Describe how images are formed in cameras.  B9.4.1.2.3 Describe the formation of shadows	Charts & Pictures
11	Forces & Energy	Energy	B9.4.1.2.4 Demonstrate the formation of an eclipse.  B9.4.1.3.1 Demonstrate that light changes path when it travels from one medium to a different medium.	Charts & Pictures
12				

## SOCIAL STUDIES TERM I SCHEME

WEEKS	STRAND	SUB STRAND	INDICATORS	RESOURCES
1	Environment	Environmental Issues	B9.1.1.1.1. Examine air pollution as an environmental challenge	Charts & Pictures
2	Environment	Environmental Issues	B9.1.1.2.1. Assess global sources and the means of conserving energy	Charts & Pictures
3	Environment	Environmental Issues	B9.1.1.2.1. Assess global sources and the means of conserving energy	Charts & Pictures
4	Environment	Our Natural & Human Resources	B9.1.4.1.1. Examine the importance of natural resources to the development of Ghana	Charts & Pictures
5	Environment	Our Natural & Human Resources	B9.1.4.1.2. Evaluate the importance of human resources to the development of Ghana	Charts & Pictures
6	Environment	Our Natural & Human Resources	B9.1.4.1.2. Evaluate the importance of human resources to the development of Ghana	Charts & Pictures
7	Family Life	The Family	B9.2.2.1.1. Examine the importance of marriage as a social institution in Ghana	Charts & Pictures
8	Family Life	The Family	B9. 2.2.2.1. Examine the importance of responsible parenting within the family system	Charts & Pictures
9	Family Life	The Family	B9. 2.2.2.1. Examine the importance of responsible parenting within the family system	Charts & Pictures
10	Family Life	Population	B9. 2.4.1.1. Assess population structure in Ghana and its associated development issues	Charts & Pictures



11	Family Life	Population	B9. 2.4.1.1. Assess population structure in Ghana and its associated development issues	Charts & Pictures
----	-------------	------------	---	-------------------