

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI
COURSE PLAN (June - November 2026)

Department : Zoology

Name/s of the Faculty : Dr. Lyndsay Priscilla A

Course Title : Cell and Molecular Biology

Course Code : 25ZL/MC/CM34

Shift : I

COURSE OUTCOMES (COs)

COs	Description	CL
CO1	recall the core principles of Cell Biology, encompassing organelle structure and function, nuclear organisation, cell signaling pathway, cell cycle dynamics, Cancer Biology, DNA replication and repair, and gene expression and regulation	K1
CO2	explain the fundamental concepts of Cell Biology, including organelle structure and function, nuclear organisation, cell signaling pathways, cell cycle regulation, Cancer Biology, DNA replication and repair, and gene expression and regulation	K2
CO3	apply the fundamental concepts of Cell Biology to analyse organelle functions, nuclear organisation, cell signaling pathways, cell cycle regulation, cancer progression, DNA replication and repair mechanisms, and gene expression and regulation	K3
CO4	examine the interconnections between organelle structure and function, nuclear organisation, cell signaling pathway, cell cycle control, cancer development, DNA replication and repair mechanisms, and gene regulation to understand their role in cellular processes and disease	K4
CO5	assess the functions of the various organelles, nuclear organisation, signaling pathways, cell cycle regulation, Cancer Biology, DNA replication and repair, and gene expression, to evaluate their implications in health, disease, and biomedical research	K5

Week	Unit No.	Content	Cognitive Level	Teaching Hours	COs	Teaching Learning Methodology	Assessment Methods
Jun 15 – 22, 2026 (Day Order 1- 6)	1.1	Introduction – Cell Membrane: Structural Organisation, Asymmetry and Fluidity, Specialisations in Structure - Transport Across Membranes	K1 - K5	5	CO 1 - 5	Lecture PowerPoint Presentation Animation	Quiz Recapitulation
Jun 23 – July 1, 2026 (Day Order 1- 6)	1.4	Cytoplasmic Vacuolar System: Endoplasmic Reticulum, Golgi Apparatus Lysosomes: Structure, Lysosomes: Polymorphism, Functions and Diseases	K1 - K5	5	CO 1 - 5	Lecture PowerPoint Presentation Animation	Mind map of PM Concept review questions
July 2 – July 8, 2026 (Day Order 1- 6)	1.3	Mitochondria: Structure, functions (overview), biogenesis (endosymbiont theory) Peroxisomes	K1 - K5	5	CO 1 - 5	Lecture PowerPoint Presentation Animation	Component I Model of organelles Marks 20

July 9 – 16, 2026 (Day Order 1- 6)	2.1	Nuclear Organisation Chromosomes: Structure, Types and Functions	K1 - K5	5	CO 1 - 5	Lecture Molecular Models Chain reaction exercise	Recapitulati on Quiz
	2.2						
July 17 – 24, 2026 (Day Order 1- 6)	4.1	DNA Replication: Theta model (in detail),	K1 - K5	5	CO 1 - 5	Lecture Flipped classroom	

		Rolling Circle Model				Animation	
July 25 – 28, 2026 (Day Order 1- 3)	4.2	Replication in Eukaryotes	K1 - K5	2	CO 1 - 5	Lecture PowerPoint Presentation Animation	Muddiest point technique
	4.3	DNA Repair mechanisms					
July 29 – Aug 3, 2026	C.A. Test - I						
Aug 4 - 6, 2026 (Day Order 4 - 6)	4.4	Organization of Prokaryotic genes and Eukaryotic genes	K1 - K5	3	CO 1 - 5	Lecture PowerPoint Presentation Animation	Key difference between the prokaryotic and eukaryotic DNA replication
	5.1	Gene regulation in Prokaryotes: Lac operon					

Aug 7 – 14, 2026 (Day Order 1- 6)	5.1	Gene regulation in Eukaryotes: Overview	K1 - K5	5	CO 1 - 5	Lecture PowerPoint Presentation Animation	Component 2 Assignment on differences in prokaryotic and eukaryotic DNA replication Marks: 20
	5.2	Transcription: Biosynthesis of RNA – Transcription Factors –					
Aug 17 - 24, 2026 (Day Order 1- 6)	5.2	Post Transcriptional Modifications	K1 - K5	5	CO 1 - 5	Lecture PowerPoint Presentation Animation	Quiz
	5.3						

		Ribosome: Structure & Function					
Aug 25 – Sep 2, 2026 (Day Order 1- 6)	5.3	Mechanism of Translation: Genetic Code	K1 - K5	5	CO 1 - 5	Lecture Animation	Comparison/ Discussion
	5.4	Post Translational Modifications in Collagen					Highlight key differences

Sep 3 – 11, 2026 (Day Order 1- 6)	5.4	RNA interference	K1 - K5	5	CO 1 - 5	Lecture Group discussion Animation	Quiz
Sep 15-17, 2026 (Day Order 1 - 3)	1.2	Cytoskeleton: Microtubules, Actin Filaments and Intermediate Filaments	K1 - K5	2	CO 1 - 5	Lecture Simulation	Muddiest point technique
Sep 18 –23, 2026	C.A. Test - II						
Sep 24 - 28, 2026 (Day 4 – 6)	2.3 2.4	Cell Signaling: Basic principles of intercellular and intracellular signaling and Signal Transduction through G-protein coupled receptor	K1 - K5	3	CO 1 - 5	Lecture PowerPoint Presentation Animation	Recapitulation

		Cell Cycle and its Regulation					
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Sep 29 – Oct 7, 2026 (Day Order 1 - 6)	3.1	Apoptosis - Role of neurotrophins and mitochondria in Apoptosis	K1 - K5	5	CO 1 - 5	Lecture PowerPoint Presentation Animation	Component 3 Concept review questions - Quiz Marks: 10
	3.2	Cancer Biology: Characteristics of a Cancer Cell					
	3.3	Altered Cell Cycle in Cancer Cell					
Oct 8 - 14, 2026 (Day Order 1 - 6)	3.4	Genetic Basis of cancer: Role of Proto-oncogenes, Oncogenes and Tumour Suppressor Genes	K1 - K5	5	CO 1 - 5	Lecture PowerPoint Presentation Animation	Recapitulation
Oct 15 - 21, 2026 (Day Order 1- 4)	REVISION						

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI

COURSE PLAN (June - November 2026)

Department : Zoology
Name/s of the Faculty : Ms. Albina Jerome D
Course Title : Ecology and Evolution
Course Code : 25ZL/MC/EE33
Shift : I

COURSE OUTCOMES (COs)

COs	Description	CL
CO1	recall core principles of Ecology, environmental dynamics, population ecology, and evolutionary theories, including key evolutionary evidence, mechanisms, and patterns	K1
CO2	describe environmental and evolutionary concepts, theories, and evidence, along with the historical development of life and its ecological and evolutionary processes	K2
CO3	apply knowledge of environmental and evolutionary biology to examine and discuss key components, theories, and processes in both fields	K3
CO4	analyse ecological and evolutionary principles, theories, evidence, and mechanisms to understand their interconnections and significance	K4
CO5	evaluate major environmental and evolutionary theories, evidence, and processes to critically assess their impact and relevance	K5

Week	Unit No.	Content	Cognitive Level	Teaching Hours	COs	Teaching Learning Methodology	Assessment Methods
Jun 15 – 22, 2026 (Day Order 1- 6)	1.1	Introduction to Ecology - Branches of Ecology - Autecology, Synecology	K1 - K5	1	CO1 - CO5	Discussion Lecture	Questioning
	3.1	Introduction- Theories on the Origin of Life (Special Creation, Catastrophism, Panspermia, Abiogenesis, Biogenesis, Modern Hypothesis)	K1 - K5	2	CO1 - CO5	Group discussion on the different views about origin of life	Summarising the points from the discussion
Jun 23 – July 1, 2026 (Day Order 1- 6)	1.1	Soil formation: texture, profile, classification and properties.	K1 - K5	1	CO1 - CO5	Audio Visual Presentation	Short Test
	3.2	Theories of Evolution (Lamarckism, NeoLamarckism, Darwinism, Neo-Darwinism or Modern Synthetic Theory of Evolution, Mutation theory)	K1 - K5	2	CO1 - CO5	Audio Visual Presentation Peppered Moth Simulation Game (https://askabiologist.asu.edu/peppered-moths-game/play.html)	Construction of Concept Map

July 2 – July 8, 2026 (Day Order 1- 6)	1.2	Abiotic factors: Temperature - Thermal stratification, Range of temperature tolerance. Light- composition, light on land and water	K1 - K5	1	CO1 - CO5	Lecture and Audio Visual Presentation	Questioning
	3.3	Types of Natural selection: stabilising selection, directional selection and disruptive selection (examples and case studies)	K1 - K5	2	CO1 - CO5	Lecture with Discussion PowerPoint Presentation	Case study Analysis
July 9 – 16, 2026 (Day Order 1- 6)	1.2	Biological effects of light on aquatic and terrestrial organisms and role of pH	K1 - K5	1	CO1 - CO5	Audio Visual Presentation	Quiz
	3.4	Micro, macro and megaevolution	K1 - K5	2	CO1 - CO5	Discussion with Examples Audio Visual Presentation	Recapitulation
July 17 – 24, 2026 (Day Order 1- 6)	1.3	Limiting factors: Liebig's law of minimum – Shelford's law of tolerance	K1 - K5	1	CO1 - CO5	Discussion based on limiting factors Audio Visual Presentation	Short Test

	4.1	Evidence in support of evolution from comparative morphology and anatomy, physiology	K1 - K5	2	CO1 - CO5	Audio Visual Presentation	Questioning
July 25 – 28, 2026 (Day Order 1- 3)	1.3	Biogeochemical cycles: Oxygen and Phosphorus	K1 - K5	1	CO1 - CO5	Audio Visual Presentation	Diagram / Flow Chart Test
July 29 – Aug 3, 2026	C.A. Test - I						
Aug 4 - 6, 2026 (Day Order 4 - 6)	4.1	Evidence in support of evolution from embryology and biochemistry	K1 - K5	2	CO1 - CO5	Audio Visual Presentation	Pop Quiz
Aug 7 – 14, 2026 (Day Order 1- 6)	1.4	Ecological succession: Definition, Process, types, theories of succession	K1 - K5	1	CO1 - CO5	Lecture with interaction	Exit ticket
	4.2	Evidence in support of evolution from Palaeontology: Types of Rocks, Modes of fossilisation	K1 - K5	2	CO1 - CO5	Audio Visual Presentation	Recapitulation
Aug 17 - 24, 2026 (Day Order 1- 6)	1.4	Attributes of population: Density, Natality,	K1 - K5	1	CO1 - CO5	Lecture with interaction	Muddiest Point - students identify the part

		Mortality and Age distribution					of the topic that was most confusing
	4.2	Dating of fossils, living fossils: characteristics	K1 - K5	2	CO1 - CO5	Observation of fossils and living fossils	Error analysis - students identify the mistake in the statement made about fossils
Aug 25 – Sep 2, 2026 (Day Order 1- 6)	2.1	Ecosystem: Productivity – Carbon sequestration	K1 - K5	1	CO1 - CO5	Audio Visual Presentation	Questioning <u>Component 1 -</u> Campus Biodiversity Audit Report <u>Units included:</u> Parts of 1.1, 1.2 & 1.3 <u>Marks allotted:</u> 15 marks
	4.3	Geologic Time Scale	K1 - K5	2	CO1 - CO5	Simulation (https://interactive-learning-objects.onlea.org/geologic-timescale/#/time-scale)	Quizziz Quiz

Sep 3 – 11, 2026 (Day Order 1- 6)	2.2	Habitat ecology: Terrestrial habitat: Biomes – Ecotones (Shola forest)	K1 - K5	1	CO1 - CO5	Lecture with interaction	Short Test
	4.4 & 5.4	Evolution of Horse: stages and evolutionary trends Mimicry, Colouration and Coevolution (types, examples and significance)	K1 - K5	2	CO1 - CO5	Audio Visual Presentation https://youtu.be/OR53X_d6WdQ?si=IKDNVLRHZJR3LX-I Field Survey on Campus	Mind Map Compile local examples of mimicry and colouration/coe volution
Sep 15-17, 2026 (Day Order 1 - 3)	2.2	Deserts: Fauna, adaptations of animals inhabiting deserts and caves	K1 - K5	1	CO1 - CO5	Lecture with interaction	Quizziz Quiz
Sep 18 –23, 2026	C.A. Test - II						
Sep 24 - 28, 2026 (Day 4 – 6)	2.3	Aquatic Ecology: Freshwater ecology: Physicochemical nature of freshwater - biotic communities – Lotic habitats (rivers), Lentic	K1 - K5	2	CO1 - CO5	Audio Visual Presentation Case study Analysis	Muddiest Point

		habitats (Lakes) - Pulicat Lake and Ponds					
Sep 29 – Oct 7, 2026 (Day Order 1 - 6)	2.3	Marine Ecology : Physico-chemical characteristics - biotic communities of pelagic and benthic zone – adaptations of deep sea animals	K1 - K5	1	CO1 - CO5	Audio Visual Presentation	Recapitulation <u>Component 2</u> - Group Presentation: Jurassic Park dinosaurs – fact versus fiction <u>Units included:</u> Parts of Unit 3 & 4 <u>Marks allotted:</u> 15 marks
	4.4 & 5.1	Human Evolution: stages (Ardipithecus group, Australopithecus group, Paranthropus group and Homo group), Biological History and evolutionary trends Speciation (Allopatric and Sympatric)-	K1 - K5	2	CO1 - CO5	Discussion Visit to a virtual museum: https://humanorigins.si.edu/evidence/human-evolution-interactive-timeline https://humanorigins.si.edu/exhibit/exhibit-	Pop quiz

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI**COURSE PLAN (June - November 2026)**

Department : Zoology
Name/s of the Faculty : Dr. Lyndsay Priscilla A and Ms. Albina Jerome D
Course Title : Cell and Molecular Biology, Ecology and Evolution Practical
Course Code : 25ZL/MC/P332
Shift : I

COURSE OUTCOMES (COs)

COs	Description						CL
CO1	submit a record of practical work carried out in the laboratory and/or a report on a laboratory visit						K1
CO2	use a camera lucida for specimen illustration, differentiate between normal and abnormal cellular structures, and analyse the biodiversity of organisms inhabiting rocky and sandy shores						K2
CO3	perform microscopic analyses of cell division stages and chromosomal structures, and evaluate water quality parameters to assess environmental health						K3
CO4	identify and elucidate key evolutionary phenomena, including fossilisation processes, examples of living fossils, mechanisms of coevolution, types of mimicry, colouration strategies, and the stages of human evolution						K4
CO5	calibrate the ocular micrometer to standardise the microscope and determine the size of microscopic specimens, count the total number of RBCs and WBCs and interpret the results						K5
Week	Unit No.	Content	Cognitive Level	Teaching Hours	COs	Teaching Learning Methodology	Assessment Methods

Jun 15 – 22, 2026 (Day Order 1- 6)	1	Overview of Syllabus General instructions and introduction to microscope i. Micrometry	K5	2	CO 5	Demonstration and Explanation	Evaluation of the slide and observation notebook
Jun 23 – July 1, 2026 (Day Order 1- 6)	1 4	ii. RBC Count iii. Effect of Osmosis on RBC	K 5 K 2	2	CO 5 CO 2	Explanation and demonstration	Evaluation of the slide and observation notebook
July 2 – July 8, 2026 (Day Order 1- 6)	3 4	iv. Squamous epithelium squash preparation – Barr body i. Camera lucida ii. Identification of normal and abnormal cells: Apoptotic cell, Necrotic cell, Cancer cell	K 3 K 2	2 2	CO 3 CO 2	Explanation and demonstration	Evaluation of the slide and observation notebook
July 9 – 16, 2026 (Day Order 1- 6)	3	i. Estimation of dissolved oxygen	K 3	2	CO 3	Explanation and demonstration	Evaluation of observation notebook
July 17 – 24, 2026 (Day Order 1- 6)	2	i. Modes of fossilisation ii. Living fossils	K 4	2	CO 4	Observation and identification of organisms (prepared	Evaluation of observation notebook

		iii. Coevolution (Plant-pollinator and Predator-prey) iv. Mimicry (Batesian and Mullerian) v. Colouration (Protective and Warning) vi. Stages in human evolution (<i>Sahelanthropus tchadensis</i> , Australopithecus afarensis, <i>Homo erectus</i> , <i>Homo neanderthalensis</i> and <i>Homo sapiens</i>)				slides/ museum specimens/photographic plates)	
July 25 – 28, 2026 (Day Order 1- 3)		No class					
July 29 – Aug 3, 2026	C.A. Test - I						
Aug 4 - 6, 2026 (Day Order 4 - 6)	1	iii. WBC Count Sandy Shore Fauna: <i>Arenicola</i> sp., <i>Chaetopterus</i> sp., <i>Hippa</i>	K 5 K 2	2	CO 5 CO 2	Explanation and demonstration Observation and identification of organisms (prepared slides/ museum	Evaluation of the slide and observation notebook

		sp., <i>Solen</i> sp., <i>Aplysia</i> sp				specimens/photographic plates)	
Aug 7 – 14, 2026 (Day Order 1- 6)	3	i. Mitosis - in Onion root tip	K 3	2	CO3	Explanation and demonstration	Evaluation of the slide and observation notebook
Aug 17 - 24, 2026 (Day Order 1- 6)	Practical CA 1 - 50 marks Evaluation of Record Notebook						
Aug 25 – Sep 2, 2026 (Day Order 1- 6)	3	Estimation of calcium	K 3	2	CO 3	Explanation and demonstration	Evaluation of observation notebook
	4	iv. Rocky Shore Fauna: <i>Metridium</i> sp., <i>Mytilus</i> sp., <i>Chiton</i> sp., <i>Balanus</i> sp., <i>Gelasimus</i> sp.	K 2		CO 2	Observation and identification of organisms (prepared slides/ museum specimens/photographic plates)	
Sep 3 – 11, 2026 (Day Order 1- 6)	3	iii. Chironomus - Polytene chromosome - squash preparation	K 3	2	CO 3	Explanation and demonstration	Evaluation of observation notebook
Sep 15-17, 2026 (Day Order 1 - 3)		No class					
Sep 18 –23, 2026	C.A. Test - II						
Sep 24 - 28, 2026 (Day 4 – 6)	3	ii. Meiosis - in Grasshopper testis	K 3	2	CO3	Explanation and demonstration	Evaluation of the slide and observation notebook

	5	i. Visit to a Molecular Biology Laboratory	K1		CO 1		
Sep 29 – Oct 7, 2026 (Day Order 1 - 6)	Practical CA 2 - 50 marks Evaluation of Record Notebook and Report						
Oct 8 - 14, 2026 (Day Order 1 - 6)	3	ii. Estimation of pH	K 3	2	CO 3	Explanation and demonstration	Evaluation of observation notebook
Oct 15 - 21, 2026 (Day Order 1- 4)	REVISION						

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STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI**COURSE PLAN (June - November 2026)**

Department : Zoology
Name/s of the Faculty : Dr. S. A. Vidhya
Course Title : Ornithology
Course Code : 25ZL/SE/OR32
Shift : I

COURSE OUTCOMES (COs)

COs	Description	KL
CO1	To enable the student to understand the fundamentals of ornithology, bird classification, and adaptations, and recognise key avian features and ecological roles	K1
CO2	To enable the student to explore bird behaviours, including feeding, nesting, and vocal communication, and analyse their ecological interactions in natural habitats	K2
CO3	To enable the student to develop practical bird identification skills, understand conservation challenges, and participate in citizen science initiatives for bird monitoring	K3

KL – Knowledge Level**K1 – Remember | K2 – Understand | K3 - Apply**

Week	Unit No.	Content	Cognitive Level	Teaching Hours	COs	Teaching Learning Methodology	Assessment Methods
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Jun 22, 2026 (Day Order 6)	No class						
Jun 23 – July 1, 2026 (Day Order 1- 6)	1.1	Overview and syllabus Fundamentals: History, scope, significance	K1 – K3	2	CO 1 – CO 3	Bird stories activity Bird fact or fiction activity Lecture with interaction	Pre-test
July 2 – July 8, 2026 (Day Order 1- 6)	1.1 1.2	role of birds in ecosystems Bird classification and evolution	K1 – K3	2	CO 1 – CO 3	Elicitation using bird posters	Recapitulation
July 9 – 16, 2026 (Day Order 1- 6)	1.2	Major bird groups – bird ancestry – evolutionary adaptations	K1 – K3	2	CO 1 – CO 3	Mind map	Review of mind map
July 17 – 24, 2026 (Day Order 1- 6)	1.3	Bird habitats and distribution: terrestrial, aquatic and migratory habitats – endemic and threatened birds – impact of climate change on bird distribution	K1 – K3	2	CO 1 – CO 3	Discussion with maps and bird posters	Recapitulation
July 25 – 28, 2026 (Day Order 1- 3)	1.3	Bird habitats and distribution: terrestrial,	K1 – K3	1	CO 1 – CO 3	Discussion with maps Documentary:	Citizen Science

		aquatic and migratory habitats – endemic and threatened birds – impact of climate change on bird distribution				Himalayan birds versus climate change	Participation (25 marks)
July 29 – Aug 3, 2026	C.A. Test - I						
Aug 4 - 6, 2026 (Day Order 4 - 6)	2.1	Feeding and foraging behaviour: diet – specialised feeding strategies	K1 – K3	1	CO 1 – CO 3	Owl hunting game	Quiz
Aug 7 – 14, 2026 (Day Order 1- 6)	2.1	adaptations for feeding - role of birds in seed dispersal and pest control	K1 – K3	2	CO 1 – CO 3	Flash cards	Match the beak/feet with the bird activity
Aug 17 - 24, 2026 (Day Order 1- 6)	2.2	Breeding, nesting and parental care: mating systems, courtship behaviour, nesting, parental care – brood parasitism	K1 – K3	2	CO 1 – CO 3	Observation of bird behaviour on campus	Field observation report (15 marks)
Aug 25 – Sep 2, 2026 (Day Order 1- 6)	2.3 2.4	Vocalisation: calls and songs, functions – analysing sonograms Imprinting – Mobbing –	K1 – K3	2	CO 1 – CO 3	Observation of birds on campus/ recording of bird calls and sonogram analysis in	Quiz

		Preening				the field	
Sep 3 – 11, 2026 (Day Order 1- 6)	2.4 3.1	Social Behaviour: Mixed Species Flocks, roosting, murmurations – Migration Bird identification techniques: markers such as size, plumage, colour, flight pattern	K1 – K3	2	CO 1 – CO 3	Flash cards	Flash cards
Sep 15-17, 2026 (Day Order 1 - 3)	3.1	Bird identification techniques: calls and songs – seasonal variations and moulting patterns	K1 – K3	1	CO 1 – CO 3	Audiovisual presentation	Bird call and song quiz
Sep 18 –23, 2026	C.A. Test - II						
Sep 24 - 28, 2026 (Day 4 – 6)	3.1	Bird identification techniques: using field guides and mobile apps for identification and documentation (Merlin, eBird)	K1 – K3	1	CO 1 – CO 3	Hands-on learning	20 questions Post test
Sep 29 – Oct 7, 2026 (Day Order 1 - 6)	3.2	Major threats to birds – conservation efforts and policies – role of local	K1 – K3	2	CO 1 – CO 3	Documentary: The Race to save the	One minute paper

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI**COURSE PLAN (June - November 2026)**

Department : Zoology
Name/s of the Faculty : Dr. Janani N
Course Title : Butterfly Studies
Course Code : 25ZL/GE/BS22
Shift : I

COURSE OUTCOMES (COs)

COs	Description						CL
CO1	Recall the diversity, morphology, life cycle, and ecological significance of butterflies, including their role in ecosystems and conservation challenges						K1
CO2	Describe butterfly identification techniques, document observations using appropriate tools, and analyse butterfly behaviour, adaptations, and habitat preferences						K2
CO3	Demonstrate practical skills in butterfly watching, data recording, photography, and habitat restoration, contributing to conservation and citizen science initiatives						K3
Week	Unit No.	Content	Cognitive Level	Teaching Hours	COs	Teaching Learning Methodology	Assessment Methods

Jun 15 – 22, 2026 (Day Order 1- 6)	1.1	An Introduction to Butterflies, their importance and role in the ecosystem, Order Lepidoptera, Butterflies and Moths, Characteristic features of butterflies, Basic morphology	K1 – K3	2	1-3	Lecture with Interaction Chalk Talk	Pictionary
Jun 23 – July 1, 2026 (Day Order 1- 6)	1.1	Butterfly families, Diversity, Well-known Lepidopterists	K1 – K3	1	1-3	PowerPoint Presentation	Recapitulation
	1.2	Butterfly identification, Important factors, Host plants, Region	K1 – K3	1	1-3	Audiovisual Presentation	Pop Quiz
July 2 – July 8, 2026 (Day Order 1- 6)	1.2	Season, Habitat, Butterfly Wing colour and patterns	K1 – K3	1	1-3	PowerPoint Presentation	Discussion about the Audiovisual Presentation
	1.3	Butterfly life cycle	K1 – K3	1	1-3	Audiovisual Presentation on the life cycle of a butterfly	
July 9 – 16, 2026 (Day Order 1- 6)	1.3	Common host and nectar plants, Attracting butterflies	K1 – K3	2	1-3	PowerPoint Presentation	Component I – multiple-choice questions – 10 marks – Unit 1

July 17 – 24, 2026 (Day Order 1- 6)	1.3	Creating a butterfly garden	K1 – K3	1	1-3	Lecture with Interaction	Quiz
	2.1	Butterfly Behaviour, Adaptations, Predators, Migration	K1 – K3	1	1-3	Audiovisual Presentation	
July 25 – 28, 2026 (Day Order 1- 3)	2.1	Butterflies Biomimicry	K1 – K3	1	1-3	Audiovisual Presentation about Biomimicry	Group discussion on different Biomimicry techniques seen in butterflies
July 29 – Aug 3, 2026	C.A. Test - I						
Aug 4 - 6, 2026 (Day Order 4 - 6)	2.1	Threats to butterflies, Conservation efforts	K1 – K3	1	1-3	Lecture with interaction	Recapitulation
Aug 7 – 14, 2026 (Day Order 1- 6)	2.2	Observing Butterflies: Getting started, Tools, Field guides, planning a survey – Ethics of butterfly watching-butterfly tourism	K1 – K3	2	1-3	PowerPoint Presentation	Discussion

