

YEAR 12- Batch 1 & 2 - BIOLOGY

WEEK 5 (27th Sept – 1st Oct.)

Work sent to students through Class Bio Whats App Group /Google Classroom

Topic 2.1– Eukaryotes

L.O – Describe the ultra structure of Cytoskeletal structures, Centrioles , Ribosomes & Endoplasmic reticulum .

Biology Students Book 1

<p>B1- Tuesday – 4th period(Zoom)</p> <p>B2 – Monday – 5th period(Zoom)</p>	<p>Students able to</p> <ul style="list-style-type: none">●Identify various cytoskeletal structures in eukaryotes●Differentiate structure of microtubules, microfilaments & intermediate filaments●Compare structure of flagella in prokaryotes & eukaryotes <p>Resources: PowerPoint & Video link</p> <p>https://www.youtube.com/watch?v=YTv9ItGd050</p> <p>Students to complete Text book questions pg. 79</p>
<p>B1 - Thursday – 1st period(Zoom)</p> <p>B2 - Monday – 8th period(Zoom)</p>	<p>Students able to</p> <ul style="list-style-type: none">●Draw & label the centrioles .●Describe the role of centrioles .●Compare structure of centrioles, cilia & flagella. <p>Resources: PowerPoint & Video link</p> <p>https://www.youtube.com/watch?v=VC1zbUEEw9k</p> <p>Students to research on ultra structure of ribosomes & endoplasmic reticulum</p>

B1 - Thursday – 2nd period (Zoom)	Students able to
B2 - Wednesday – 5th period (Zoom)	<ul style="list-style-type: none"> ● Differentiate 70 S & 80 S ribosomes ● Draw & label RER & SER ● Describe functions of RER & SER related to their the structure
Resources: PowerPoint & Video link	
https://www.youtube.com/watch?v=xCbNXJHV5R8	
https://www.youtube.com/watch?v=an7tpWR16mo	
Students to complete Exam style questions pg. 108 & 109	

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Topic 1- Biological molecules 2- Nucleic Acids

L.O - Outline the structure of nucleotides, both purines and pyrimidines. Understand the structure and properties of ATP to its function in the cell Identify the structure and importance of nucleic acid

Biology Student book 1

B1- Sunday – 8th period (GC)	GC-Asynchronous learning
B2- Tuesday – 3rd period (GC)	Exam style questions-1.2Text book. Answer the questions given on page 34&35 and task to be turned in Google classroom
B1 - Monday – 1st & 2nd period (Zoom)	Students able to-
B2- Thursday – 5th and 6th period (Zoom)	<ul style="list-style-type: none"> ● Compare the structure of DNA and RNA ● State that deoxyribonucleic acid (DNA) is a polynucleotide, usually double stranded, made up of nucleotides ● Recognize and analyse that, as enzymes are proteins, their synthesis is controlled by DNA

- Differentiate DNA and RNA

BOARD WORKS NUCLEIC ACIDS No -3-15]

Video and PPT: Structure of NUCLEIC ACIDS

Websites:www.science.co.uk/biology/nucleic_acids.html, www.internet4classrooms.com

Worksheet – Nucleic Acids and Protein Synthesis

Text Book Page Numbers – 38 to 4