

YEAR 11 G & H – BIOLOGY (IGCSE)

WEEK 5 (27th September to 1st October)

Work sent to students through Class Bio WhatsApp Group/G mail/Google Classroom

Topics 6 & 7 : Co-ordination & Chemical Co-ordination respectively.

L.O.: **Understand** the sources, roles and effects of the following hormones: adrenaline, insulin, testosterone, progesterone and oestrogen, ADH, FSH and LH.

To Investigate of the effect of drugs on reaction time.

Sunday- 4th period	<p>Zoom: Describe the sources, roles and effects of the following hormones: adrenaline, insulin, testosterone, progesterone and oestrogen.</p> <p><u>Textbook page : 98 - 103</u></p> <p>https://www.youtube.com/watch?v=HJI11Fj4jYs</p> <p>Resources: Textbook, Video Links & Power point.</p> <p>Students able to:</p> <ul style="list-style-type: none">●Define a gland.●Explain the source and effect of the hormone adrenaline●Describe the role of testosterone.
Monday- 7th period	<p>Zoom: Describe the sources, roles and effects of the following hormones: ADH, FSH and LH.</p> <p>https://www.youtube.com/watch?v=BvpPCn1rwsW</p> <p><u>Textbook page : 98 - 103</u></p> <p>Resources: Textbook, Video Links & Power point.</p>

	<p>Students able to:</p> <ul style="list-style-type: none"> ● List the major endocrine glands of the human body. ● Explain the source and effect of the hormones FSH and LH
<p>Tuesday – 3rd and 4th period</p>	<p>Zoom: Practical: Investigation of the effect of drugs on reaction time.</p> <p>https://www.youtube.com/watch?v=Fm02i4vEi5Q</p> <p>Students able to:</p> <ul style="list-style-type: none"> ● Identify controlled, independent & dependent variables for the experiment planned. ● Record the data obtained in a suitable table. ● Analyse & interpret the data.
<p>Wednesday – 5th period</p>	<p>GC: Students answer <u>textbook questions 1-6 on Pgs 102-103</u></p> <p>Students able to:</p> <ul style="list-style-type: none"> ● Identify the functions of different hormones in the body. ● Explain the graph on blood glucose levels at different times of the day

YEAR 11 A-F- BIOLOGY (GCSE)

WEEK 5 (27th September to 1st October)

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

Plant hormones, Plant disease & Plant defense

L.O – Describe the commercial uses of auxins, gibberellins and ethene in plants, different plant defense mechanisms & different ways plant diseases can be detected and identified, in the lab and in the field including the elimination of possible environmental causes, distribution analysis of affected plants, observation of visible symptoms and diagnostic testing to identify pathogens.

<p>Sunday-6th period(girls) Sunday-8th period(boys)</p>	<p>Zoom Session</p> <p>Commercial Uses of plant hormones& Photoperiodism</p> <p>https://www.youtube.com/watch?v=6boD9x0MMcs</p> <p>https://www.youtube.com/watch?v=EWroqqlZ3go</p> <p>Resources: Video Links & Power points</p> <p>Students able to</p> <ul style="list-style-type: none">●State few commercial uses of auxins, gibberellins, cytokines and ethane.
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	<ul style="list-style-type: none"> ● Explain why would a farmer use a selective weed killers on a lawn. ● Describe the uses of auxins ,ethene & gibberellin by plant growers ● Corelate the role of gibberilin with photoperiodism
<p>Monday -3rd period(girls)</p> <p>Tuesday -5th period (boys)</p>	<p>Zoom Session</p> <p>Plant defense</p> <p>https://www.youtube.com/watch?v=zL8JOw8Qzns</p> <p>Resources: Video Links & Power points</p> <p>Students recall / able to</p> <ul style="list-style-type: none"> ● Identify the role of poisonous chemicals in young lupin leaves. ● Describe the physical barriers in plants to defend themselves from pathogens / pests ● Describe the role of digoxin, quinine& aspirin to cure disease in humans along with their source ● Explain how plant protective chemicals are used to treat human diseases or symptoms <p>Text book questions Pg.108 & 109</p>
<p>Tuesday-7th period(girls)</p> <p>Wednesday-6th period(boys)</p>	<p>Zoom Session</p> <p>Plant diseases</p> <p>https://www.youtube.com/watch?v=gE-JOlwIeo</p> <p>https://www.youtube.com/watch?v=7HnLVYhvars</p> <p>Resources: Video Links & Power points</p> <p>Students recall / able to</p> <ul style="list-style-type: none"> ● Identify few symptoms shown by plants when infected by pathogens. ● Describe how environmental causes of plant problems are eliminated when identifying disease. ● Describe how distribution analysis can help identify a plant disease. ● Explain how plant pathogens are diagnosed in the lab <p>Text book questions Pg.110 & 111</p>
<p>Tuesday -8th period(girls)</p>	<p>Zoom Session -- Plant hormones</p> <p>Students to complete text book questions Pg.136 & 137</p> <p>Students able to recall</p> <ul style="list-style-type: none"> ● Types of tropism ● Identify negative and positive photo- and gravitropisms. ● Explain how auxins cause phototropism in plant shoots

	and roots. ● Commercial uses of plant hormones
Wednesday-7th period (girls)	GC - Uses of plant hormones Students to complete text book questions Pg.138 & 139 and turn in their work in GC.
Thursday-5th & 6th period(boys)	Zoom Session - GL MATHS EXAM HW assignment : Students to turn in text book questions Pg.136 - 139 in GC.