

YEAR 11 G & H – BIOLOGY (IGCSE)

WEEK 8 (18th October to 22nd October)

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

Topics 9 & 13 : Reproduction in Humans & Plants respectively.

L.O: Understand the process of pollination and fertilization in plants.

Sunday- 4th period	Zoom: Discussion of textbook answers on Reproduction in Humans and worksheet questions on The Menstrual cycle. Clarification of doubts if any.
Monday- 7th period	Zoom: Assessment 2 via Google Forms (30 marks) on Topic 6 Co-ordination (The Eye ONLY pgs: 87-91) Topic 8: Homeostasis (Thermoregulation ONLY pgs: 113-115)
Tuesday – 3rd and 4th period	Zoom: Understand that the growth of the pollen tube followed by fertilisation leads to seed and fruit formation. Resources: Textbook, Video Links & Power point. https://www.youtube.com/watch?v=HP21hIVJhWI https://www.youtube.com/watch?v=WhACez3y6Hc <u>Textbook page : 174 - 181</u> Students able to: <ul style="list-style-type: none">● Differentiate between pollination and fertilisation.● Describe the process of seed and fruit formation.● Explain the steps involved in the process of fertilization in plants.
Wednesday – 5th period	GC: Students write answers to textbook questions on Reproduction in Plants. Resources: Textbook Students able to: Identify a wind pollinated flower based on its characteristics. Describe the process of fruit formation from a flower.

YEAR 11 A,D&E BIOLOGY (GCSE)

WEEK 8 (18th October to 22nd October)

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Topic - SB7c-The menstrual cycle & SB7d-Hormones & the menstrual cycle.

L.O – Describe the stages of the menstrual cycle, including the roles of the hormones oestrogen and progesterone, in the control of the menstrual cycle. Explain how hormonal contraception influences the menstrual cycle and prevents pregnancy . Evaluate the use of hormones in Assisted Reproductive Technology (ART) including IVF and clomifene therapy and other birth control methods

Sunday- 6th period(girls)	Zoom session :7c-Menstrual cycle <u>Resources:</u> https://www.youtube.com/watch?v=iXswGsfeHJg&t=20s https://www.youtube.com/watch?v=5rsdXadNj-E ●Define menstrual cycle. ●Enlist the hormones involved in the menstrual cycle. ●Identify the major stages of the menstrual cycle● Explain in sequence the changes taking place in the uterus & ovary during the menstrual cycle. ●Draw & label a graph showing the changes in hormone level during the menstrual cycle.
Monday - 3rd period(girls)	Zoom session Assessment via Google forms-30 marks Assessment-2(Topics-SB6c-Absorbing water and mineral ions& &SB6d- Transpiration & Translocation)
Tuesday-7th & 8th period(girls)	Zoom Session:7d-Hormones and menstrual cycle <u>Resources:</u> https://www.youtube.com/watch?v=0adWZZhrN-Y https://www.youtube.com/watch?v=d4IvKTC6l5s ●Identify that there is a sequence in the fluctuation of hormone level during the four phases of the menstrual cycle ●Predict the changes in the level of hormones, ovary & uterine wall if a woman is pregnant ●Describe negative feedback mechanism involved in menstrual cycle. ●Explain the use of IVF & clomiphene therapy ●Compare Hormonal method to barrier method in controlling pregnancy
Wednesday- 7th period (girls)	GC Research Topic - Use of Clinostat for geotropism Task to be turned in Google classroom as Google docs .Include references and relevant diagrams/pictures

YEAR 11 B,C&F BIOLOGY (GCSE)

WEEK 8 (18th October to 22nd October)

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

Topic - SB7a-Hormones & SB7b-Hormonal control of metabolic rate

L.O – Describe where hormones are produced and how they are transported from endocrine glands to their target organs, including the pituitary gland, thyroid gland, pancreas, adrenal glands, ovaries and testes & Role of thyroxine and adrenaline to control the normal functioning of different systems in human body .

Sunday- 8th period(boys)	Zoom Session:SB7a-Hormones <u>Resources:</u> https://www.youtube.com/watch?v=HJI11Fj4jYs Students able to ●Describe the general role of hormones& how hormones are transported around the body.●Explain the production and release of some common hormones from their endocrine glands (pituitary gland, thyroid gland, pancreas, adrenal glands, ovaries and testes).●Identify the target organs of some common hormones.●State the importance of hormones.●Differentiate endocrine & exocrine glands
Tuesday - 5th period (boys)	Zoom session Assessment via Google forms-30 marks Assessment-1(Topics-SB6c-Absorbing water and mineral ions& &SB6d- Transpiration & Translocation)
Wednesday- 6th period (boys)	GC- Research Topic - Use of Clinostat for geotropism Task to be turned in Google classroom as Google docs .Include references and relevant diagrams/pictures
Thursday- 5th &6th period (boys)	Zoom Session :SB7b-Hormonal control of metabolic rate <u>Resources:</u> https://www.youtube.com/watch?v= Mts354VC7A Students able to ●Describe the effects of adrenalin on the body.●Explain how adrenalin prepares the body for fight or flight.● Explain how negative feedback controls the production of thyroxine. Students to complete Text Book questions pg.142 -145