YEAR 11 G & H – BIOLOGY (IGCSE)

WEEK 6 (4th October to 8th October)

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

Topics 9 : Reproduction in Humans

L.O: Understand how the structure of the male and female reproductive systems are adapted for their functions and describe the roles of LH, FSH, oestrogen and progesterone in the menstrual cycle.

Sunday- 4th period	**Zoom: Describe** how the structure of the male and female reproductive systems are adapted for their functions. Textbook page : 118 - 129 https://www.youtube.com/watch?v=ikaogWXgMos **Resources**: Textbook, Video Links & Power point. Students able to: ●Identify the main parts of male and female reproductive systems .●Explain the structure of male and female reproductive systems and the adaptations for their functions.
Monday- 7th period	**Zoom: Explain** the roles of hormones involved in changes during the menstrual cycle.. https://www.youtube.com/watch?v=vXrQ_FhZmos https://www.youtube.com/watch?v=Gf_WLrXAqIA Textbook page : 118 - 129 **Resources**: Textbook, Video Links & Power point. **Students able to:** ●Identify the hormones responsible to develop secondary sexual characteristics in humans .●Describe changes taking place during the menstrual cycle. ●Explain the role of the hormones FSH and LH in menstrual cycle.
Tuesday – 3rd and 4th period	**Zoom: GL PRACTICE:** Students to complete the GL practice WS. Discussion and clarifying doubts, if any. **Resources:** Worksheet **Students able to understand/describe :** ●Structure and function of living organisms ●Photosynthesis & Cellular respiration in organisms● Interactions and interdependencies within ecosystem ●Genetics and evolution
Wednesday – 5th period	**Zoom: Understand** that fertilisation involves the fusion of a male and female gamete to produce a zygote that undergoes cell division and develops into an embryo. https://www.youtube.com/watch?v=jsFn-_SC2Q8 https://www.youtube.com/watch?v=_9JTBW0s8YI Textbook page : 118 - 129 **Resources**: Textbook, Video Links & Power point. **Students able to:** ●Differentiate sexual and asexual reproduction. ●Describe the process of fertilization. ●Explain the development of an embryo.

YEAR 11 A-F BIOLOGY (GCSE)

WEEK 6 (4th Oct to 8th Oct)

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Topic - SB6- Plant Structure & Functions

L.O – Recall Plant structure & Adaptations , Photosynthesis, Transport & growth in plants

Sunday- **6th period(girls)** **Sunday-** **8th period(boys)**	**Zoom Session** Discussion and clarifying doubts, if any. **Resources:** worksheets & text book questions on **Topic 6** put in GC **Students able to** Describe the factors affecting photosynthesis .Explain transport of water & mineral ions and translocation. Identify the role of different mineral ions &plant hormones in the control and coordination of plant growth and their commercial uses .
Monday - **3rd period(girls)**	**Zoom Session** **Discussion of Core Practical (Investigate the effect of light intensity on the rate of photosynthesis(**Text book pages128) **Resources: Exam style questions Text book pg.129** ***https://www.youtube.com/watch?v=fI3x68CkKW0*** **Students able to** •Plan experiment to investigate the effect of light intensity on the rate of photosynthesis. ● **Identify** controlled, independent & dependent variables for the experiment planned ●Describe how each variable can be controlled● **Predict** how increase /decrease of light intensity affect rate of photosynthesis● Use of bicarbonate indicator solution
Tuesday - **5th period** **Wednesday-** **6th period (boys)**	**GL Practice** Students to complete the GL practice WS. Discussion and clarifying doubts, if any. **Resources:** Worksheet **Students able to understand/describe :** ●Structure and function of living organisms ●Photosynthesis & Cellular respiration in organisms● Interactions and interdependencies within ecosystem ●Genetics and evolution
Tuesday- **7th & 8th period (girls)**	**GL Practice** Students to complete the GL practice WS. Discussion and clarifying doubts, if any. **Resources:** Worksheet **Students able to understand/describe :** ●Structure and function of living organisms ●Photosynthesis & Cellular respiration in organisms● Interactions and interdependencies within ecosystem ●Genetics and evolution
Wednesday- **7th period (girls)**	**Zoom Session** General instructions to be given to students for Core practical 5 – Effect of light intensity on rate of photosynthesis and clarifying doubts, if any **Resources: Exam style questions Text book pg.129** Students to do exam style questions related to core practical discussed.
Thursday-5th &6th period(boys)	**Zoom Session - GL SCIENCE EXAM**