**Year 12 Human Biology 2021   
Topic Outline**

**Topic: Hominid Evolutionary Trends (Term 3 weeks 6-8)**

\*Pre-reading: Prior to the beginning of this topic, students should read *Human Perspectives* Chapters 12 and 13

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| **Week** | **Lesson** | **Syllabus Links** | **Lesson Content** | **Study/Homework** |
| **6** | **A** | Science Inquiry Skills  Represent data in useful and meaningful ways; organise and analyse data to identify trends, patterns and relationships; discuss ways in which measurement error, instrument accuracy, the nature of procedure and sample size may influence uncertainty and limitations in data; and select, synthesise and use evidence to make and justify conclusions  Select, use and/or construct appropriate representations, including phylogenetic trees, to communicate conceptual understanding, solve problems and make predictions  Communicate to specific audiences and for specific purposes, using appropriate language, nomenclatures, genres and modes, including scientific reports  Science Understanding  Hominid evolutionary trends  Humans as primates are classified in the same taxonomic family as the great apes. The species within the family are differentiated by DNA nucleotide sequences, which brings about differences in: Relative size of cerebral cortex,Mobility of digits,Locomotion – adaptations to bipedalism and quadrupedalism, Prognathism and Dentition  Determining relatedness and possible evolutionary pathways for hominids uses evidence from comparisons of modern humans and the great apes with fossils of: *Australopithecus afarensis, Australopithecus africanus, Paranthropus robustus, Homo habilis, Homo erectus, Homo neanderthalensis, Homo sapiens*  Tool use is seen in a number of hominid species and the study of these tools provides important insight into the evolution of the human cognitive abilities and lifestyle: trends are seen in the changes in manufacturing techniques and the materials used in the tool cultures of *Homo habilis, Homo erectus, Homo neanderthalensis, Homo sapiens* | Intro  Evolutionary Trend: Adaptations for Erect Posture | |  | | --- | | You should spend a minimum of 30 min per day, 5 days a week on your Human Biology study. Aim to:  • Read through the textbook chapter(s) before starting the topic.  • Read through your notes each day.  • Complete, mark and correct the review worksheets given in class  • Practice writing out processes and drawing flow diagrams.  • Do the *Review* and *Apply your Knowledge* questions from the textbook as you go  • Do the Past exam questions given.  Do any revision given or suggested by your teacher before tasks. | |
|  | **B** | Evolutionary Trend:  Relative size of cerebral cortex  Prognathism and Dentition |
|  | **C** | Extinct Hominin Species:  Australopithecines |
|  | **D** | *Independent Revision (school ball day)* |
| **7** | **A** | Homo habilis  Homo erectus |
|  | **B** | Early Modern Humans |
|  | **C** | Cultural evolution |
|  | **D** | Cultural evolution |
| **8** | **A** | Revision |
|  | **B** | **Task 13: Test – Hominid Evolutionary Trends** |
|  | **C** | Revision |
|  | **D** | **Task 14: Extended Response – Hominid Evolutionary Trends** |

**Assessments: Tuesday 7th September (week 8) Task 13: Test – Hominid Evolutionary Trends**

**Friday 10th September (week 8) Task 14: Extended Response – Hominid Evolutionary Trends**