

Please share to all students & teachers in the country

Version 3

TERM 1 WORK (VIDEOS)

| TOPIC | SUBTOPIC | VIDEO LINK | NOTES | PAST PAPER |
|------------------|--|---|---|---|
| DNA CODE OF LIFE | DNA CODE OF LIFE Introduction | https://youtu.be/D4T7ODkqO_c | https://thundereduc.com/ | https://thundereduc.com/ |
| | DNA DISCOVERY Simplified | https://youtu.be/Sqf7hBSC0rc | https://thundereduc.com/ | https://thundereduc.com/ |
| | DNA STRUCTURE | https://youtu.be/TdQpAfTq7Wk | | |
| | DNA BASE CALCULATION | https://youtu.be/rluKxOalNgA | | |
| | DNA PROFILING AND RNA STRUCTURE | https://youtu.be/2A5apLIG7Nk | | |
| | Protein synthesis | COMING | SOON | |
| MEIOSIS | All | COMING | SOON | |
| REPRODUCTION | Development of the zygote until implantation | https://youtu.be/j5Y95j6vRYw | | |
| | MENSTRUAL CYCLE uterine cycle & ovarian cycle | https://youtu.be/Gx52nSW7q5I | | |

MORE

COMING

SOON

IN

2days

TERM 2 WORK (VIDEOS)

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|----------|--|---|-------------|
| GENETICS | Introduction to genetics | https://youtu.be/gL4ZTMWr1mQ | |
| | Monohybrid cross (how do we mark genetic crosses) | https://youtu.be/IeQuNBZDFNU | |
| | TYPE OF DOMINANCE , explained | https://youtu.be/9v283jVvUvc | |
| | Sex determination | | |
| | Blood group | https://youtu.be/T0BYCpn7rPE | |
| | Dihybrid cross | | |
| | Pedigree (sex and non sex linked) | | |
| | Biotechnology and genetic engineering | COMING | SOON |
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|-----------|---|---|--|--|
| HUMAN EYE | Introduction to Human eye Structure and function | https://youtu.be/ouWDYGFw6As | | |
| | Pupillary mechanism (dim and bright light) | https://youtu.be/_3qPt7aXxD8 | | |
| | Accommodation (near and far vision) | https://youtu.be/0Avr1LzGs0M | | |
| | Eye defects (short sightedness, long sightedness, astigmatism & cataracts) | https://youtu.be/cBdsfVFBH5k | | |

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|--------------------------|---|---|-------------|--|
| HUMAN EAR | Introduction to Human ear and hearing | https://youtu.be/CJ3pvNffUkc | | |
| | HEARING PROCESS | https://youtu.be/mMDwTIIjOUQ | | |
| | Process of Balance & hearing defects (middle ear infection and deafness) | https://youtu.be/IgPFmRXuBpk | | |
| THE BRAIN AND REFLEX ARC | Introduction to nervous system And brain | https://youtu.be/wcDz-a4No0s | | |
| | Types Nevers (neurons) Motor, sensory and connector | https://youtu.be/vObTZzrr2xI | | |
| | Reflects arc (and questions) | https://youtu.be/vObTZzrr2xI?t=411 | | |
| | Synapse | COMING | SOON | |
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|---------------------------|---|--|--|--|
| ENDOCRINE AND HOMEOSTASIS | Endocrine system (endocrine glands) | https://youtu.be/x9OdFletD-s | | |
| | Homeostasis of glucose and | https://youtu.be/z4vDgOGJ0kM | | |
| | Salt balance (aldosterone) | https://youtu.be/d3olBXHOWMs?t=448 | | |
| | Osmoregulation (ADH) Water balance regulation | https://youtu.be/d3olBXHOWMs?t=179 new | | |
| | Thermoregulation (temperature) | https://youtu.be/z4vDgOGJ0kM?t=900 new https://youtu.be/z4vDgQGJ0kM?t=550 old | | |
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TERM 3 WORK (VIDEOS)

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| PLANT RESPONSE TO ENVIRONMENT | INTRODUCTION | https://youtu.be/ptaSiUqOjW0 | | |
| | Geotropism and photo tropism | https://youtu.be/FJITdbC4I5Q | | |
| EVOLUTION BY NATURAL SELECTION | Introduction to evolution (theory vs hypothesis) | https://youtu.be/Sx2pBsmBLm8 | | |
| | Evidences for evolution | https://youtu.be/QceKF1hcWHM | | |
| | Continuous and Discontinuous variation | https://youtu.be/I7iwAgcOI_E | | |
| | THEORIES OF EVOLUTION (Lamarckism vs Darwinism) | https://youtu.be/A2e73Juqx0Y | | |
| | Punctuated equilibrium vs gradualism | https://youtu.be/K6cK34QowPY | | |
| | artificial selection Vs natural selection | https://youtu.be/IIRXYacWHvo | | |
| | SPECIATION (allopatric) | https://youtu.be/qcTjZkGG2gM | | |
| | Present day evolution (drug resistance eg Bacteria, HIV, mosquitoes) | https://youtu.be/0ovan0tpbY | | |

HUMAN EVOLUTION

Introduction to human evolution

<https://youtu.be/LOsNfpmGvnY>

differences between humans and apes

<https://youtu.be/vhH6W3INEmI>

Bipedalism Vs Quadrupedalism

<https://youtu.be/JuhBWGUW15s>

Fossils, Mt DNA, Cultural evidences

<https://youtu.be/JW10yRgqGYE>

Out of Africa hypothesis

<https://youtu.be/H--P1cWBvAo>

Understanding phylogenetic tree general

<https://youtu.be/QEGOK5hNGfE>

phylogenetic tree (explained in detail)

<https://youtu.be/QEGOK5hNGfE>

FOR STUDY NOTES :

Website-thundereduc.com



M.SAIDI: 0848331738



EXTRA CLASSES
(one – on- one)

[Click here](#)

FOR OUR STUDY VIDEOS -

YouTube- **ThunderEDUC**
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Website-**thundereduc.com**

Other topics are coming soon:

Visit our website for more resources or slides

<https://thundereduc.com/> or WhatsApp: 0848331738