

CBC GRADE 7 INTEGRATED SCIENCE LESSON NOTES



SCIENTIFIC INVESTIGATIONS.

@15/- Introduction to Integrated Science.

What is integrated science?

- ✓ To **integrate** is to bring together or to combine parts of something into a whole.
- ✓ **Integrated science** means the study of five basic natural sciences which are **Physics, Chemistry, Biology, Earth Science** and **Astronomy** and how they overlap.

Knowledge and Skills gained from Integrated Science.

- ✓ Integrated Science provides learners with an opportunity to measure their ability in science.
- ✓ It prepares a learner to study science at higher levels and even choose it as a career.
- ✓ It provides learners with the required skills, knowledge and attitudes necessary for specialization in Applied Sciences as well as Pure sciences (Physics, chemistry and Biology), and Careers and technology studies (CTS) offered in the Science Technology Engineering and Mathematics (STEM) pathway at the senior school level.

The following tables shows the STEM pathway.

Track	Core subjects	Optional subjects
Pure sciences	<ul style="list-style-type: none">• Community Service Learning.• Physical Education.• Information Communication Technology (ICT)	The learner should select a minimum of three from the following subjects: <ul style="list-style-type: none">⇒ Mathematics.⇒ Physics.⇒ Chemistry.⇒ Biology.
Applied sciences	<ul style="list-style-type: none">• Community Service Learning.• Physical Education.• Information Communication Technology (ICT)	The learner should select one of the following subjects: <ul style="list-style-type: none">⇒ Agriculture.⇒ Computer science.⇒ Food and Nutrition.⇒ Home Management.
Technical and engineering	<ul style="list-style-type: none">• Community Service Learning.• Physical Education.• Information Communication Technology (ICT)• Mathematics.• Chemistry or Biological Sciences.	The learner should select one of the following subjects: <ul style="list-style-type: none">⇒ Agricultural technology.⇒ Geoscience technology.⇒ Marine and fisheries technology.⇒ Aviation technology.⇒ Wood technology.⇒ Electrical technology.⇒ Metal technology.