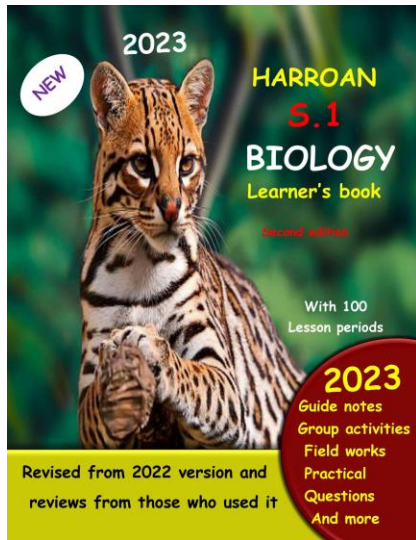


BIOLOGY S1 HARROAN BOOK OVERVIEW



Harroan S1 Biology learner's book is a workbook made and revised to simplify the learner's understanding of biology basing on the new curriculum.

It is used by learners as a guide learning material to make their learning, research and reading easy

Book development

The 2023 version is a development of the 2022 version which has been improved basing on our yearly general study of the 2022 version and reviews from those who used the 2022 version.

Special features of the 2023 version

- The book has been divided into 100 manageable lesson periods
- Guide notes have been improved
- Project guidelines have been given
- Some practical drawings on insects have been given
- Pictures have been made more clear more so those of classification
- Learning objectives for each lesson period
- have been given to give a lesson a direction

'100 lesson periods'

Basing on the NCDC, S1 Biology syllabus has been divided into 108 lesson periods to be covered for a full year.

The simple mathematics for the 108 lesson periods

Biology weekly coverage - 3 times a week

Weeks in a term - 12 weeks

Lesson periods in a term - $3 \times 12 = 36$ lesson periods

Lesson periods in a year - $36 \times 3 = 108$ lesson periods

Why Harroan has given 100'

Out of the 108 lesson periods, time for activities of integration are being included as lesson periods and not to forget the end of year exams which can run for over 2 weeks

In our Harroan book, the sample activities of integration have not been included as lesson periods, the end of chapter assessment also hasn't been. So they could compensate for the remaining 8 lesson periods

Harroan 2022 version use

The 2022 biology version was used in various schools within in Uganda. From all where it was used, we welcomed all reviews from teachers and students which have been fundamental in making the better 2023 versions.

Why should you choose the Harroan books for your learners

- They simplify learning. The learning objectives for each lesson period have been shown at the start of periods. This gives direction and focus to a lesson.
- They portray the required new curriculum features. Though sample guide notes have been given, the book indicates when to research and present. The book has given group activities, field works, quiz, practical and project guidelines as required in the new curriculum.
- They simplify research. Learners know what to be covered in the next lesson periods so they can research about them before the lesson.
- They simplify the teacher's work. Guide notes and instructions have been given, so the teacher doesn't have to spend more time reading instructions to the learners
- They simplify learner's reading. The coloured pictures make reading easy and enjoyable to learners.

The Harroan support structure.

Due to failure to having ready teacher's guides by 2023, Harroan will provide a support via whats app to teachers on the expected answers of the activities in the work books.

Two whats app groups are to be opened.

1. Harroan biology and chemistry
2. Harroan physics and mathematics

Harroan will be providing expected answers for the activities in the book a week before they are covered. For example before the first week of term 1, Harroan will provide expected answers for the activities of the first 3 lesson periods.

Reviews on the 2023 version.

Harroan is open to reviews from teachers who will choose to use the 2023 version. The reviews will be worked upon and improved in the 2024 versions which will be released in December next year.

Harroan 2023 science books release dates

- S1 Biology learner's book - 18th December 2022
- S1 Chemistry learner's book - 20th December 2022
- S1 Physics Learner's book - 25th December 2022
- S1 Mathematics learner's book - 3rd January 2023
- S2 Biology learner's book - 10th January 2023
- S2 Chemistry learner's book - 20th January 2023
- S2 Physics learner's book - 1st February 2023
- S2 Mathematics learner's book - 10th February 2023
- S3 Science work books, - February, March and April 2023

Harroan 2024 projection

From April 2023, Harroan will start revising the 2023 versions to ensure production of better 2024 versions which will be out by December 2023

New incomings expected by 2024 in biology

- S4 Biology learner's book
- S1 Biology reference notes
- S2 Biology reference notes
- Harroan revision to Lower Secondary Education Biology Questions and Answers.

Harroan Selling structure.

1 full Hard copy - 20,000

10 and more hard copies - 15,000

The books involve colour printing.

Transportation.

The books can be transported to your place for people within kampala, Wakiso, and Mukono

For those in other districts, we are working on the centers where you will be picking those books but at the moment, we can send them when wrapped via the buses and taxi for those in other districts of Uganda

Infact, we used buses and taxis and they worked very well for transporting books to far areas of Uganda.

Contact us;

Call; 0757998376/0780492637

Whatsapp 0757998376

Final remarks

We thank all those who used the 2022 versions and those ones who are willing to join the Harroan family 2023. We greatly believe the books will be of great help to you within the course of learning.

Harroan Education.