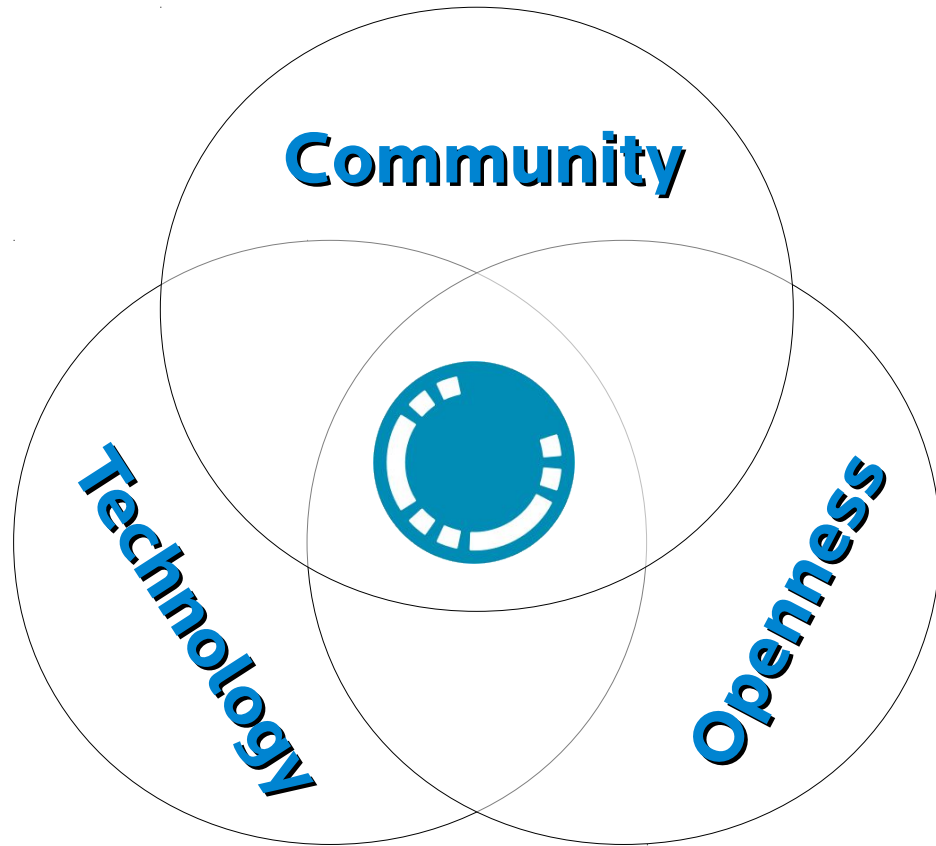


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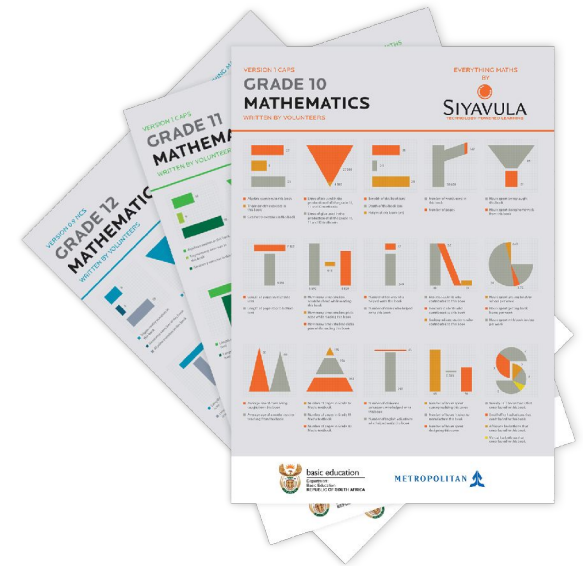
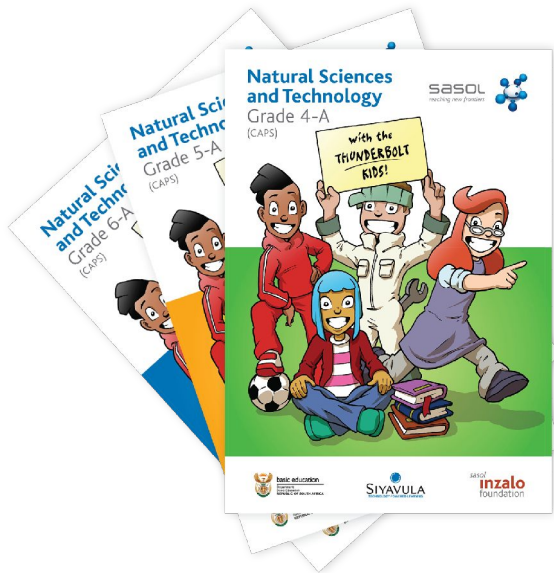
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A.nnotate
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 Gr 12 Everything Maths 2013/01-sequences-series-bridget-community-5-mar.pdf Bridget, Mar 6, 93 Pages

1 Sequences and series

add that a sequence is a number pattern? **fixed**
 +1 reply
 - fixed

New sentence: These have... **wording, considered, resolved**
 +1 reply
 - considered, resolved

add "(constant)" for consistency **considered, resolved**
 +2 reply
 - "common difference" is consistent with our grade 10 and 11 books
considered, resolved

suggest two sentences here, the second explicating the term "series" as a summed sequence **considered, resolved**
 +1 reply
 - intro paragraph overview of the atom May 3 chapter, page 32 gives the full... **considered, resolved**

arithmetic sequences also have a constant second difference; add that the first difference needn't be constant, with an explanation? **considered, resolved**
 +1 reply

earlier grades we learnt about number patterns, linear sequences with a common difference and quadratic sequences with a constant second difference. We looked at completing a sequence and also finding the general term of a sequence.

after, we'll examine geometric... **wording, considered, resolved**
 +1 reply
 - considered, resolved

In this chapter we look at geometric sequences, which have consecutive terms. We will also learn about arithmetic and the summing of the terms in sequences. We will also use to determine the sum of an infinite series.

I have read through 1.1 Arithmetic Sequences. There are some pieces of information that are repeated and others that are not explained properly. It looks like two different people have written this and then copied and pasted into the same document without looking at what the other has done. This section should be revision of previous grades and as a result, I wouldn't spend too much time re-arranging it. I would however, get a second opinion on it. **suggestion, considered**
 +1 reply
 - Structure - Arithmetic sequence: 1. explanation and example 2. basic... **considered**

We also looked at how to complete and find the general term of a sequence. **wording, fixed**
 +1 reply
 - fixed

insert: "geometric"; append: "if it has one, as we shall see?" **fixed, considered**
 +1 reply
 - fixed, considered

Introduce the terminology: Subscript n for the n th term. So T_1 indicates the first term, T_2 the second term etc **considered, resolved**
 +1 reply
 - This is indicated in the table. **considered, resolved**

doesn't have to be numeric, terms can also be variables **fixed**
 +1 reply
 - fixed

Implement type of numerical sequence is an arithmetic sequence, where consecutive terms are calculated by adding a constant value to the previous term.

An arithmetic sequence is a type of sequence in which the terms are calculated by adding a constant value (positive or negative) to the previous term. We call this constant value the constant difference d . **fixed**
 +1 reply
 - fixed

For example,

$$3; 0; -3; -6; -9; \dots$$

This is an arithmetic sequence because we add -3 to the current term to get the next term:

first term	T_1	3
second term	T_2	$3 + (-3) = 0$
third term	T_3	$0 + (-3) = -3$
fourth term	T_4	$-3 + (-3) = -6$
		\vdots
		$6 - 3n$

Perhaps a colon is better? **suggestion, considered**
 +1 reply
 - considered

I would leave this out of the chap; need to include it, then change it's position. **suggestion, considered**
 +1 reply
 - considered

Typically numbers lower than 10 are written in full, don't know if that should apply to a maths textbook **suggestion, considered**

...added to each term to find the successive term and write down the next 3 terms of the sequence if the pattern does not change. **suggestion, fixed**
 +2 replies
 - fixed

This does not follow clearly, agree with thulan's suggestion **suggestion, fixed, resolved**
 +2 replies
 - removed **fixed, resolved**

Exercise 1 - 1: Arithmetic sequences

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Community recognition

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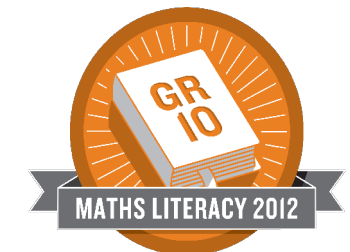
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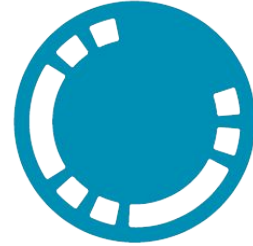


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