Using gamification techniques for online tutoring









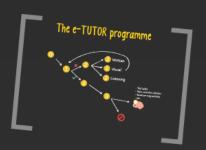




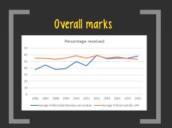
Using gamification techniques for online tutoring













Who am 1?



- Kayla Lawson
- MSc final year research student
 - Department of Microbiology
 - Stellenbosch University
- Teaching Assistant 04/16 -04/17

What is gamification?

gamification

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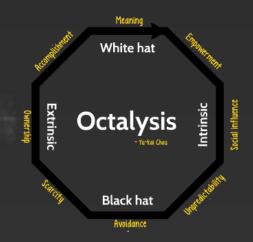
noun

the application of typical elements of game playing (e.g. point scoring, competition with others, rules of play) to other areas of activity, typically as an online marketing technique to encourage engagement with a product or service.

"gamification is exciting because it promises to make the hard stuff in life fun"

Translations, word origin, and more definitions

But isn't gaming childish?



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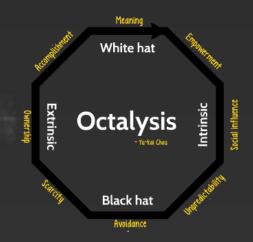
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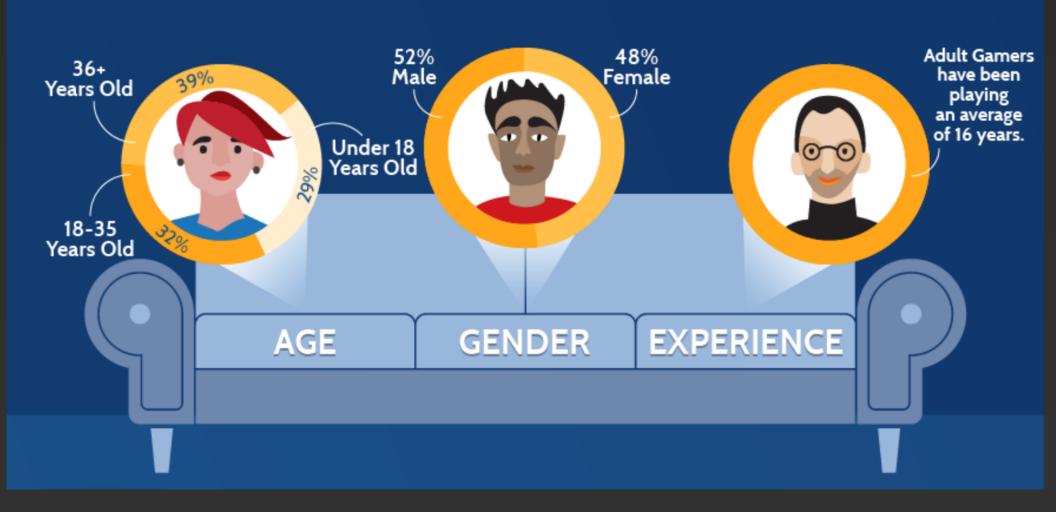
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Who Is The Average Gamer?



What is gamification?

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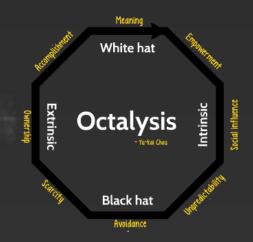
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White hat

Empowermen*

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Octalysis
- Yu-kai Chou

Intrinsic

Social influence

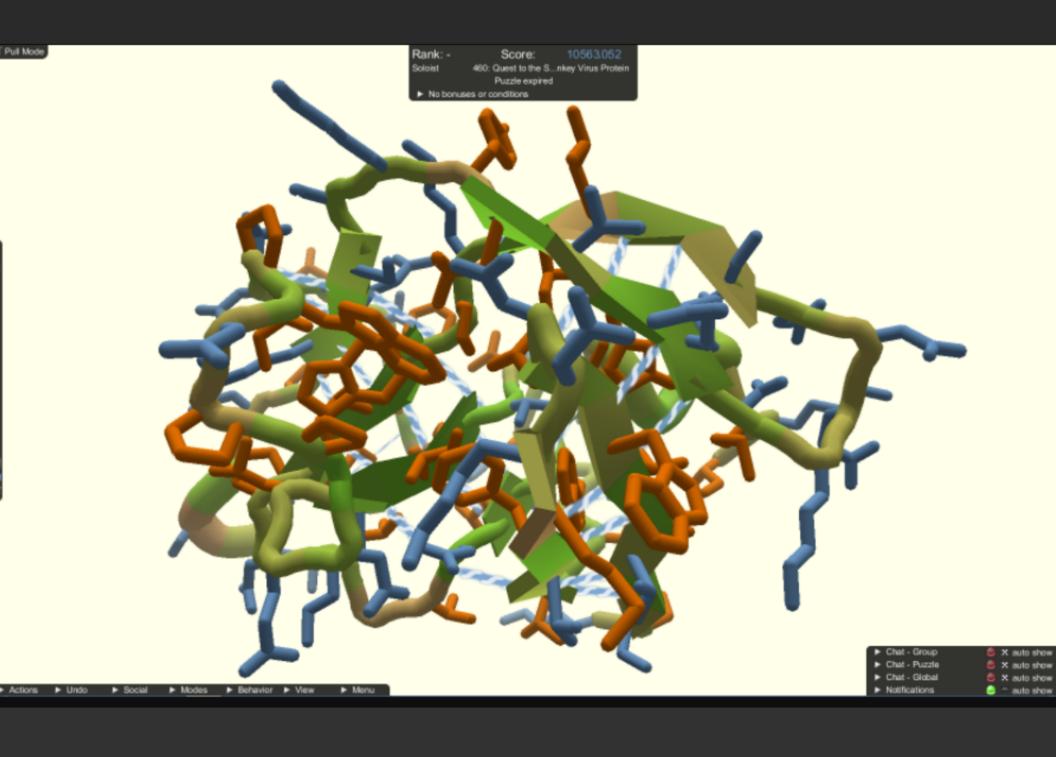
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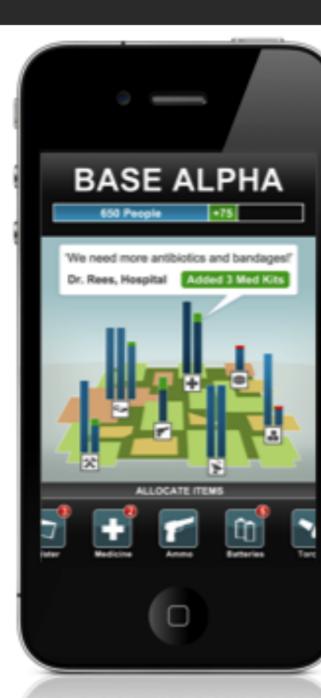
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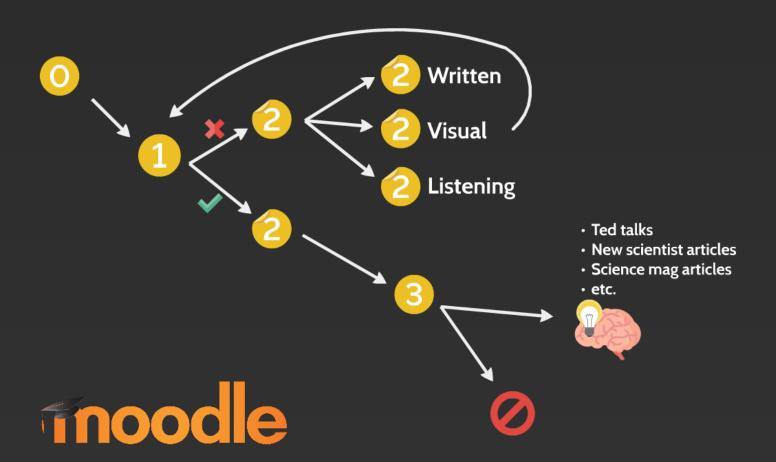
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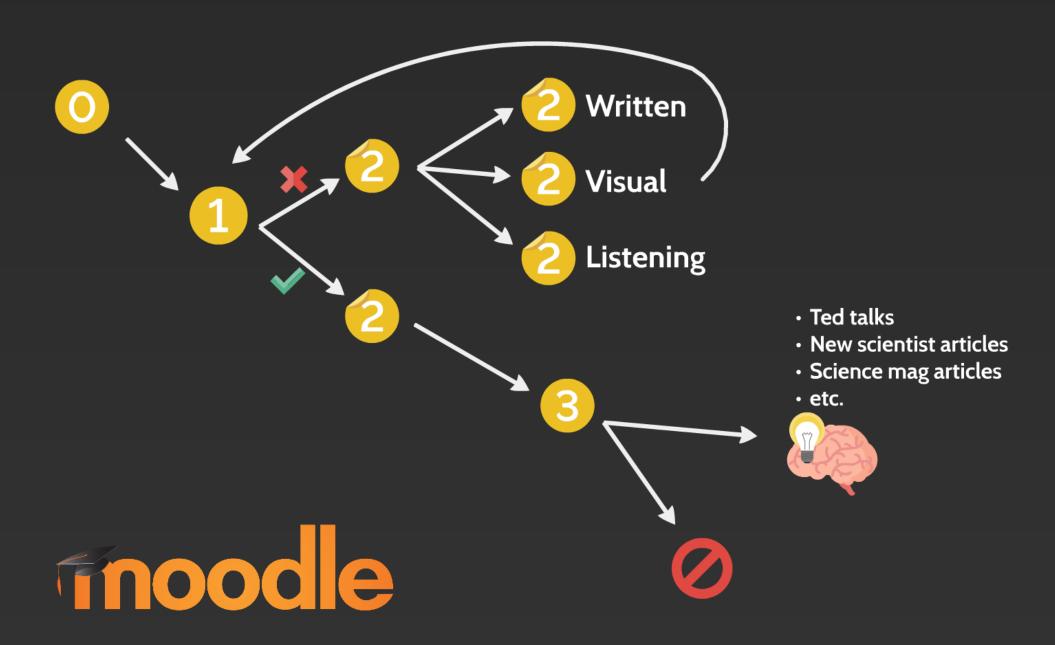
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The e-TUTOR programme

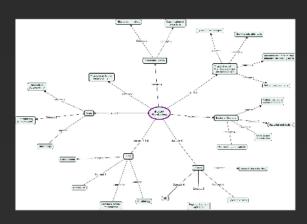




The e-TUTOR programme









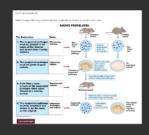






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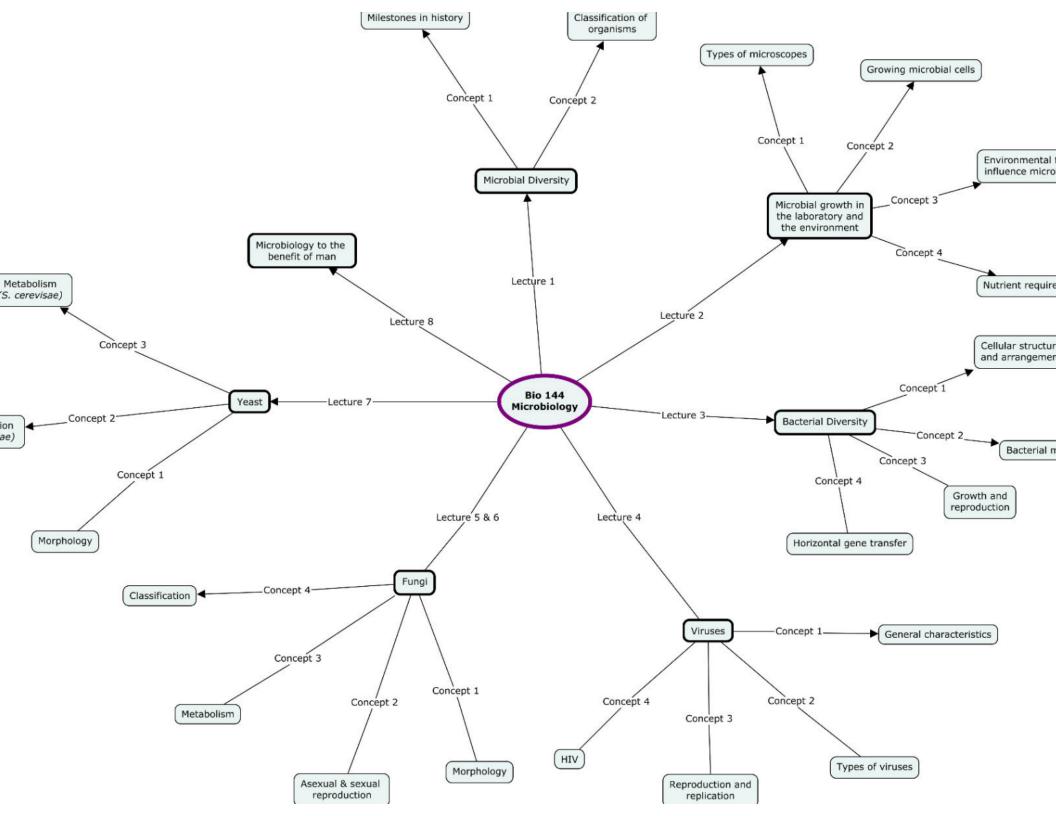


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re 1: Microbial Diversity

Edit Reports Grade essays

och's postulates in the order in which they occur

- Respective microorganism must be present in every sick individual, but absent from healthy individual
- The microorganism causing the disease must be isolated and grown in a pure culture
- The same disease must result when the isolated microorganism is inoculated into a healthy host
- The same microorganism must be re-isolated from the disease host

Submit

Lecture 1: Microbial Diversity

Preview Edit Reports Grade essays

Arrange Koch's postulates in the order in which they occur

our answer:

- Respective microorganism must be present in every sick individual, but absent from healthy individuals
- = The microorganism causing the disease must be isolated and grown in a pure culture
- = The same disease must result when the isolated microorganism is inoculated into a healthy host
- The same microorganism must be re-isolated from the disease host
- hat is correct

Continue

Lecture 1: Microbial Diversity

Preview Edit Reports Grade essays

Getting stuck?

f you need some help please click the "I need some help" button

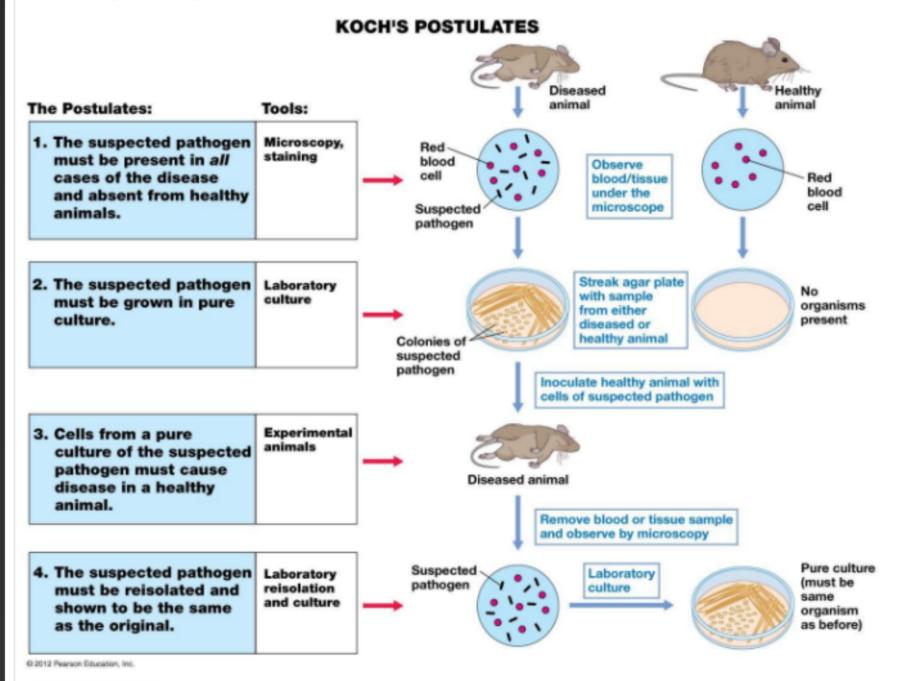
Otherwise, please proceed to the following concept by clicking the "I've got it" button

I need some help

I've got it

Koch's postulates (2)

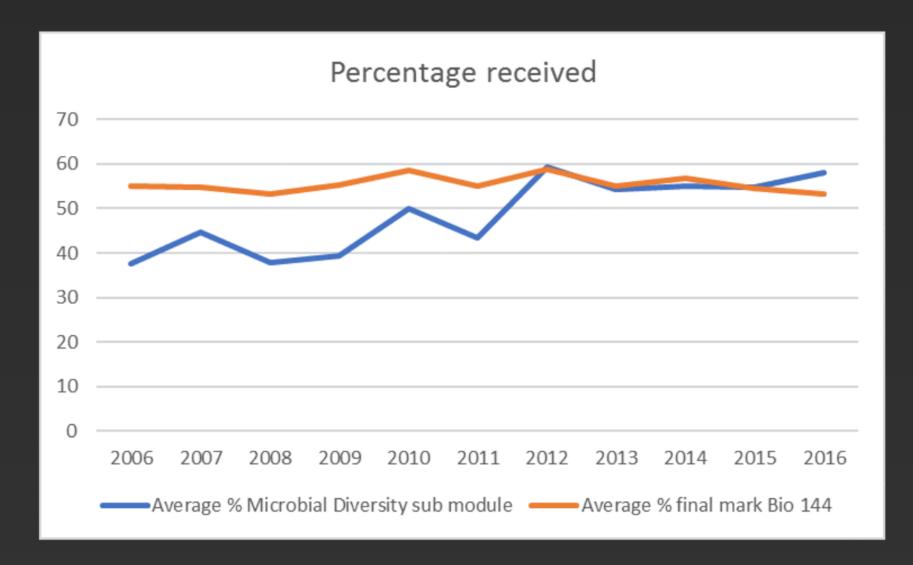
Work through the image below on Koch's postulates to better understand them.



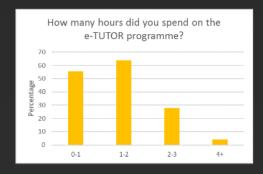
Test yourself again

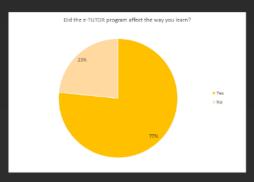


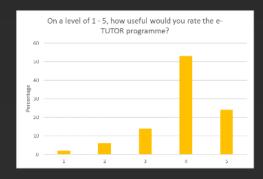
Overall marks

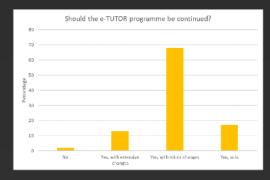


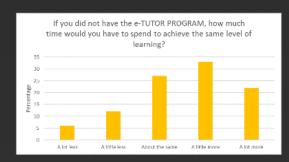
Feedback and improvements











It made you go and study the lectures and then attempted quizzes straight after, which I find as an effective learning scheme.

It helped me grasp topics that I misunderstood

It assisted me to check how much how much knowledge I had actually obtained.

The e-TUTOR program has been helpful in putting the work in context. Its a good way to test whether you understand concepts and if not get extra help and also identify areas of concern. allowed me to see weak spots in my knowledge, and go over them in ways besides just using the class notes, e.g. google searches and videos.

I studied the theory from the text book but had no idea how everything fit together and what the structure of the work is. This program gave me the sight and understanding to/of microbiology!

I found that the concepts were tested on a very shallow level.

They could perhaps have been asked on a deeper level, to make
sure we thoroughly understand the work.

It didn't have a memo or tell you what you were doing wrong, so you couldn't know exactly what the right answer was to some of the longer questions

need more helpful feedback on answers to questions

The fact that if you got something wrong, it didn't actually tell you WHAT you got wrong. I found this very frustrating because I retried some questions so many times and still am not sure of what I don't know.

Over all the program is a good idea, and is very helpful, it should be incorporated into more modules and not just part of the biology departments, but into other departments as well.

More exam type questions should be asked.

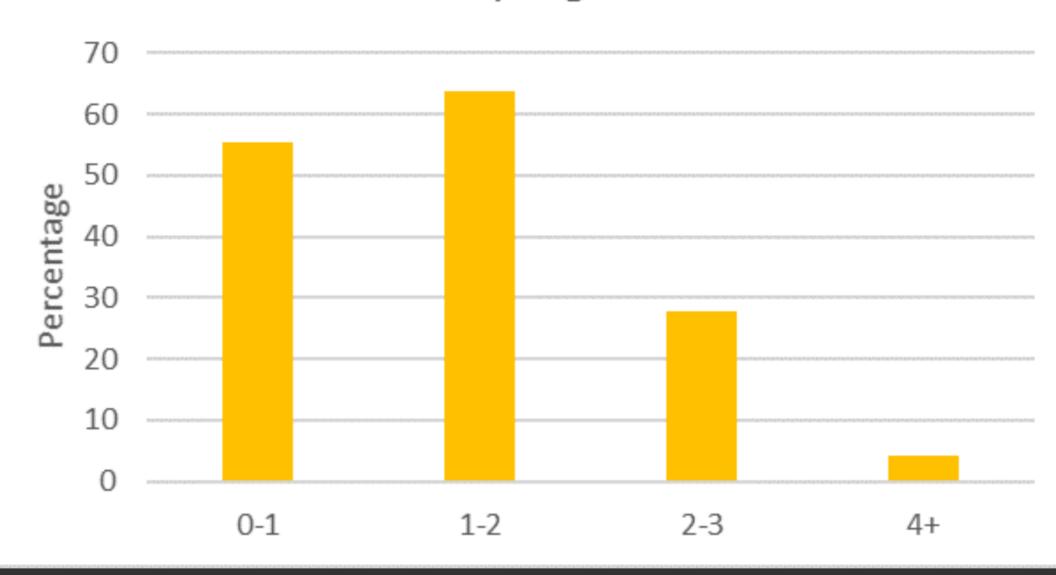
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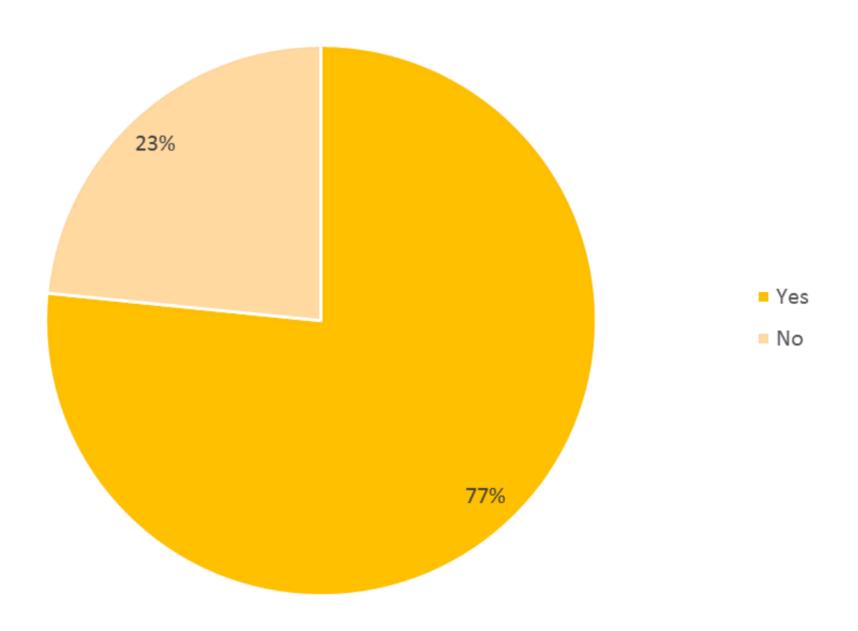
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Make like an example test or "exam" that you can do after everything(the whole program).

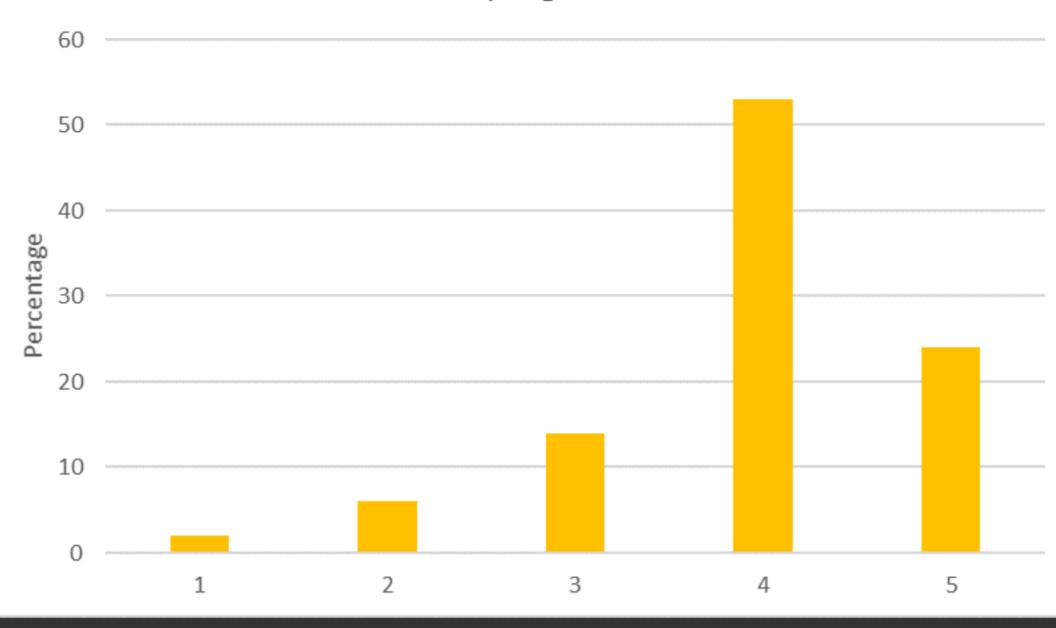
How many hours did you spend on the e-TUTOR programme?



Did the e-TUTOR program affect the way you learn?



On a level of 1 - 5, how useful would you rate the e-TUTOR programme?



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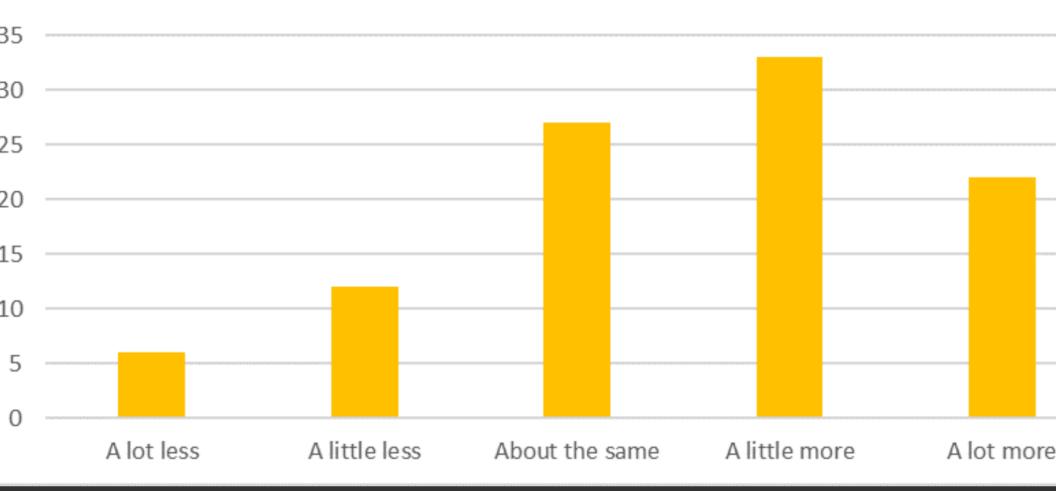
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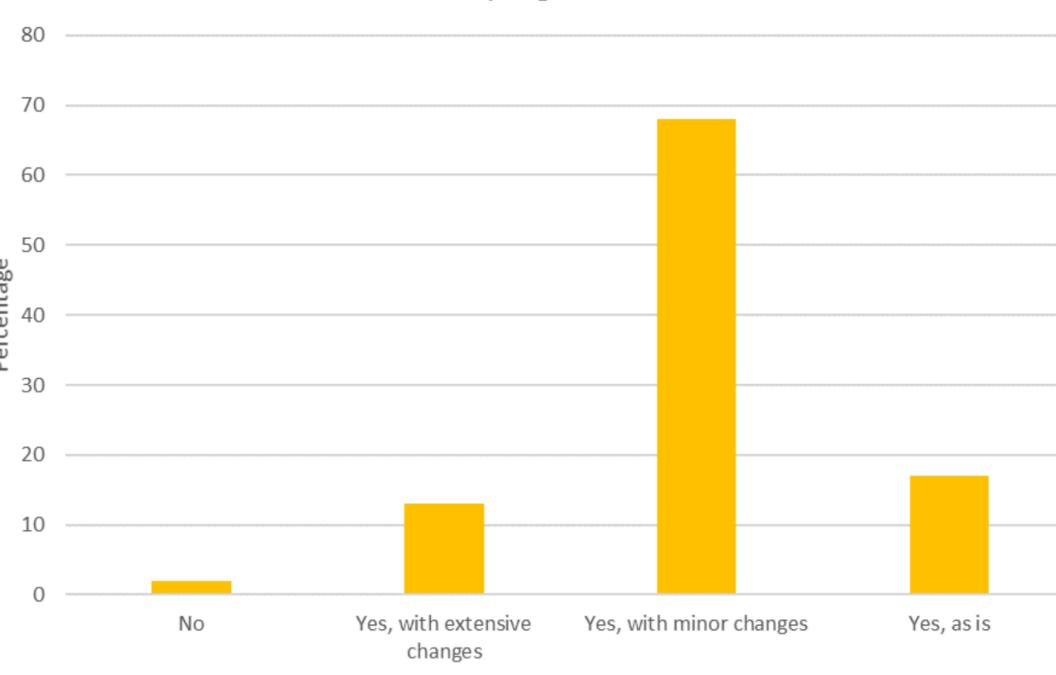
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If you did not have the e-TUTOR PROGRAM, how much time would you have to spend to achieve the same level of learning?



Should the e-TUTOR programme be continued?



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