# The future....

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April 2019



Chris Sangwin (University of Edinburgh)

Thank you all...



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Thank you all ...

STACK has a very encouraging future.



- 895 registered sites Lots of known users.
- Many languages
- Commercial partners
- Support in Moodle and ILIAS



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#### Where are we now....



(29 April 2018)



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#### The traditional university



(William Hogarth, 1697-1764)



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What is a modern "book"?



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Image: A matching of the second se

- What is a modern "book"?
- Mastery learning as a practical approach. (Bloom)



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Previous online projects have required huge teams.



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Technically possible by committed staff, as part of their duties. (This *is* a lot of work....)

Previous online projects have required huge teams.

Such materials scale well.

# Setting out on a journey....



#### (28 Oct 2018)



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We have the potential to be the very best....





## Areas of activity



Community building and material sharing



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# Areas of activity

- Community building and material sharing
- A How do we use these tools?



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# Areas of activity

- Community building and material sharing
- A How do we use these tools?
- Codebase features.



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Text-based question format (YAML)





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Text-based question format (YAML)

Allows GIT repository for questions.



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Possible "complete book" markup...



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Text-based question format (YAML)

Allows GIT repository for questions.

Possible "complete book" markup...

... blurs quiz/stateful features (very helpful way!)



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We have lots of features...



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We have lots of features...

Let's base features on real need, and mathematical principles.





#### We have lots of features...

Let's base features on real need, and mathematical principles. How can we assess mathematical proof?



 Write a parser for student input. (We've always relied on Maxima)



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- Better support for JSX graph (help needed!)



#### It can all feel a bit lonely





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# STACK meeting 2020

- 27th & 28th April 2020.
- Tallinn University of Applied Sciences
- Oksana Labanova & Anne Uukkivi



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