

Blended Learning and Gamification

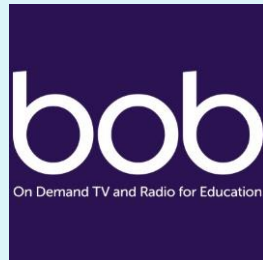
***Molecules, Genes and Cells Blackboard site
“show and tell”***

Blended Learning

The use of a combination of face to face instruction and online learning

Through Blackboard we can use:

Video



Quizzes



Fora

Virtual

Classrooms

Wikis

Blended Learning in Molecules, Genes and Cells 2017 / 18

A series of Pre-lab Activities

Students expected to complete these in advance of the practical sessions.

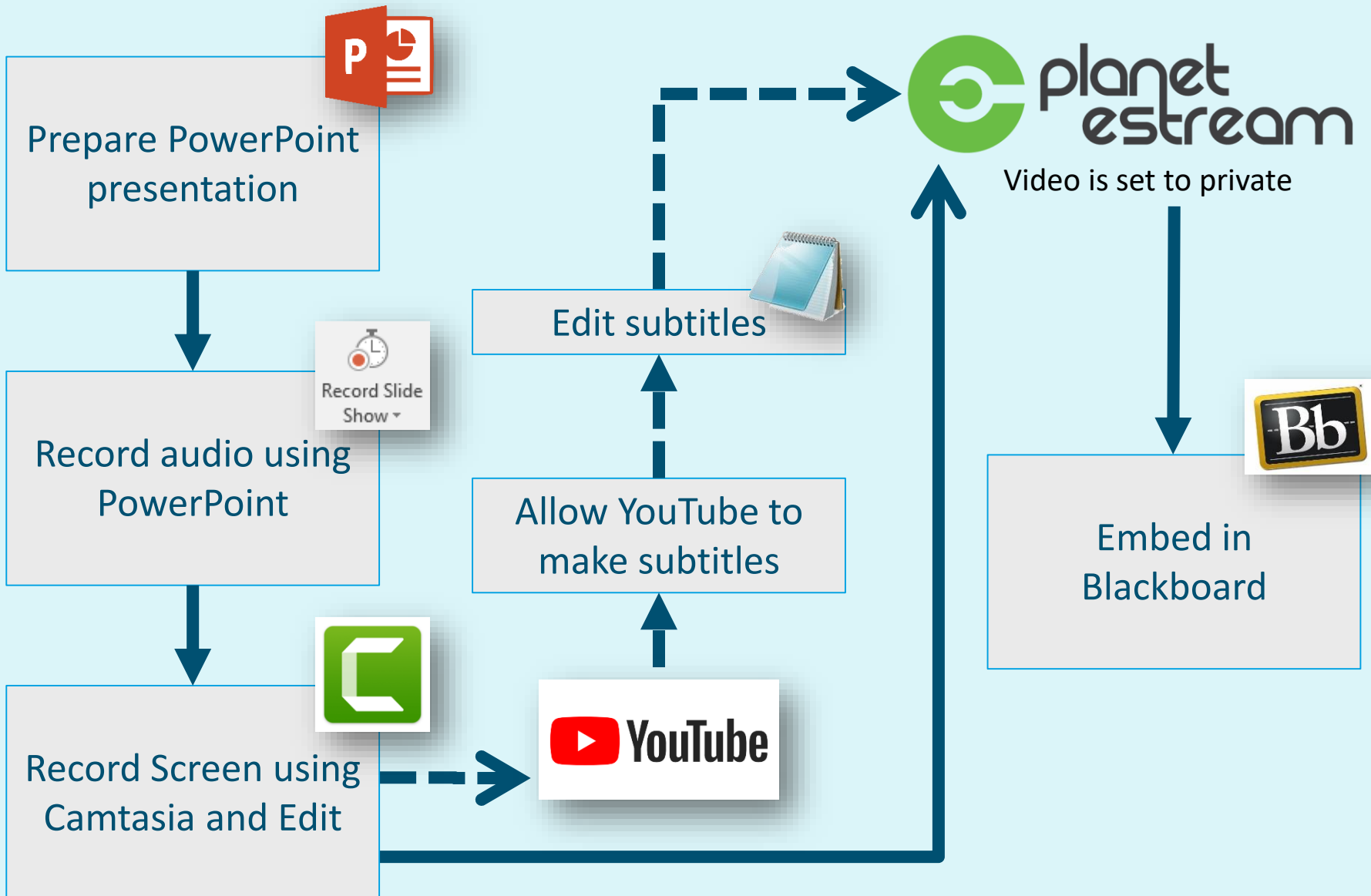
- Reading in the Lab manual
- A narrated PowerPoint introduction/ description of the lab task
- Links to videos
- Download video content
- Quizzes

Blended Learning in Molecules, Genes and Cells 2018 / 19

Little change in content

- Embedded YouTube video
- Updated and remade narrated PowerPoint presentations
 - Recorded as video and embedded
- Added narration / music / subtitles to method videos
- Added a gamification element

Making video workflow



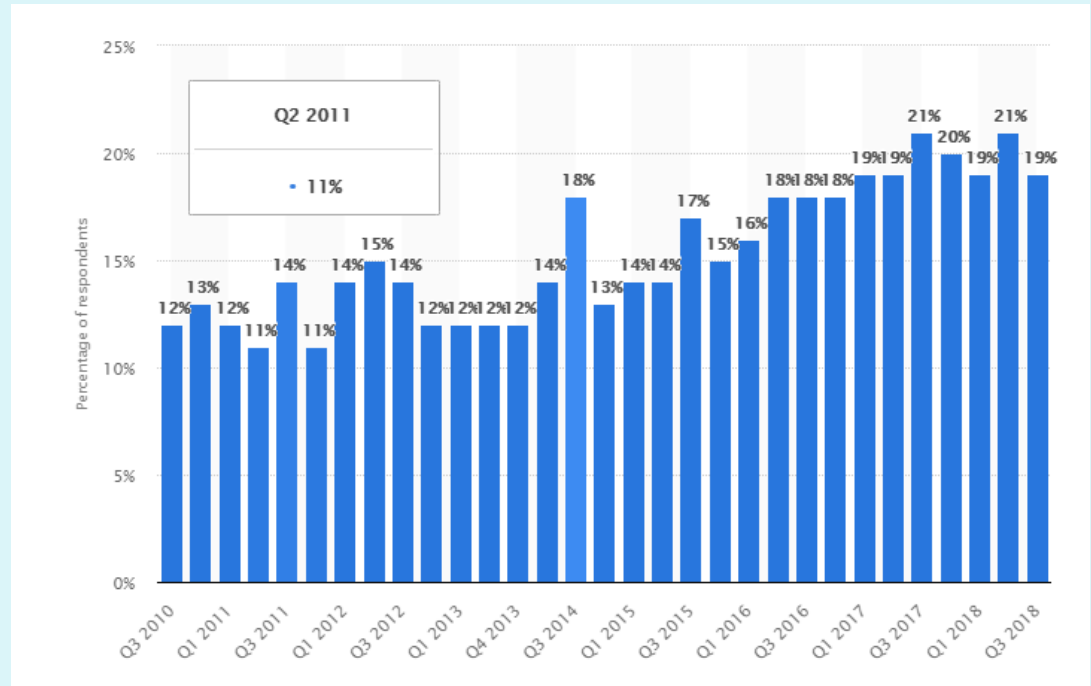
Advantages / Disadvantages

- Allows students to work at their own pace
- Saves time in the lab
- Gives opportunity for instant feedback
- Can be updated
- Opportunities to monitor engagement
- Students like it
- Could save time

- Requires students to drive their own learning
- Relies on students having done the work before the lab
- Blackboard!
- Heavy time sink to begin

Gamification

Using Game related phenomena to encourage student engagement



www.statista.com

Examples:

- Role Play
- Actual Games
- Competition
- Earning ranks / Levels / achievements

Achievements



blakeow » Badges

Level **4** XP 400

100 XP to reach Level 5

How do I earn badges and increase my Steam Level? [Read the FAQ](#)

[View my booster pack eligibility](#)

[Booster Pack Creator](#)

Badges

Sort by [In Progress](#) [Completed](#) [A - Z](#) [Rarity](#)

Wonder Boy: The Dragon's Trap

29 hrs on record
[No card drops remaining](#) [How do I earn card drops?](#)

Lizard-Man
100 XP



3 of 6 cards
collected

Freedom Planet

18.5 hrs on record
[No card drops remaining](#) [How do I earn card drops?](#)

Hero Pants
100 XP



4 of 9 cards
collected

Mighty No. 9

10.2 hrs on record
[No card drops remaining](#) [How do I earn card drops?](#)

You're a Mighty
100 XP



4 of 9 cards
collected

Achievements in Blackboard



Ctrl X, Ctrl V ▼

Custom



Downloader ▼

Custom

Download the semester 1 lab manual



Sequence Hunter ▼

Custom

Step 1
Step 2
Step 3.

Protocol follower ▼

Custom



Double Downloader ▼

Custom



Downloader 2 ▼

Custom



Haemoglobin Hunter ▼

Custom

Achievements can be given for:

- Achieving a grade on a given column in the grade centre
- Acknowledging that you have reviewed an Item

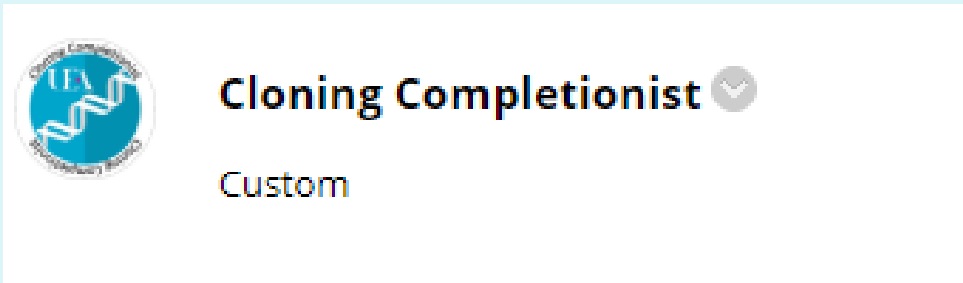
The Ultimate Achievement!



Dr Ian Turner

Been giving badges to student who scored 100% in online tests. Any student that got 100% in all tests got a sew on Badge for their lab coat!

Cloning Completionist badge



More information



GAMIFICATION - PRACTICE AND PEDAGOGY

15.05.2019

>> REGISTER NOW



Charlie Williams (ITCS - Staff)

Away (10 mins)

Learning Technologist, ITCS : IT & Computing Service



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