
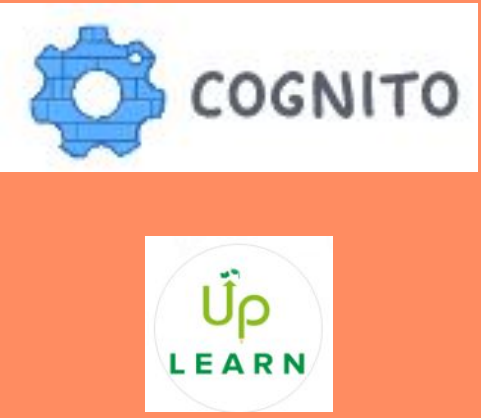




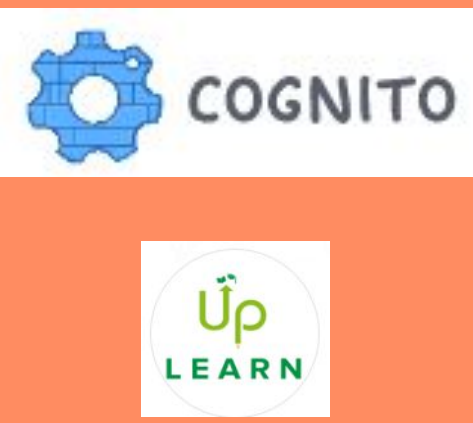

Comparison of the generations of online learning platforms for GCSE science

- Page 2 - How do the generations differ?
- Page 3 - What are the pros and cons of each?



				
Generation	Paper	1st generation	2nd generation	3rd generation
How does it work?	<ul style="list-style-type: none"> Teacher finds (or creates) a set of questions, prints them and hands them out to students Teacher manually marks answers and returns them 	<ul style="list-style-type: none"> Teacher sets homework with an online wizard Questions are limited to those that can be auto-marked Platform auto-marks answers in real-time 	<ul style="list-style-type: none"> Similar to 1st generation Plus longer-form questions that come with a mark scheme that the student can use to mark their own homework 	<ul style="list-style-type: none"> Similar to 2nd generation but all marked by GCSE Prepper <ul style="list-style-type: none"> 85% (and rising) are auto-marked in real-time 15% see the mark scheme initially and the final feedback when the answer has been marked manually (within 48 hours) Students receive detailed feedback after every attempt - tailored to their answer - click to see a typical example of the feedback Questions answered incorrectly are repeated within the session

See overleaf for weaknesses of each

				
Generation	Paper	1st generation	2nd generation	3rd generation
Downsides for teacher workload	<ul style="list-style-type: none"> Teacher has to find, print and mark homework AND create their own reports 			
Weaknesses - e.g. how does the student experience differ from the <u>optimal learning experience?</u>	<ul style="list-style-type: none"> Volume of feedback is severely limited by time constraints No visibility of how long students spent on their homework Long delay before student sees feedback / most students never go back and review it 	<ul style="list-style-type: none"> Question styles limited to multiple-choice and single-word answers - which is <u>not consistent with the format of the final exam</u> Limited feedback - not tailored to the student's answer 	<ul style="list-style-type: none"> Very few students can be relied on to mark their own answers Doesn't re-serve long-form questions that are answered incorrectly within the session No visibility of how long students took answering long form questions or how well they performed on them (individually and as a class) 	