
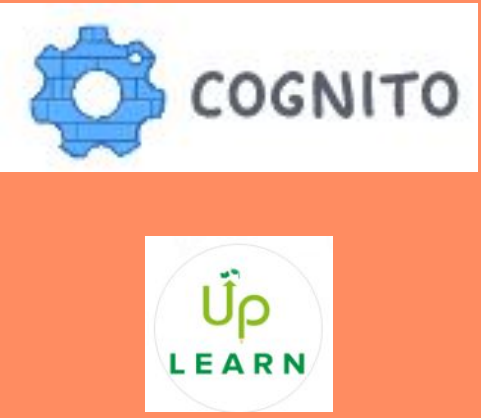




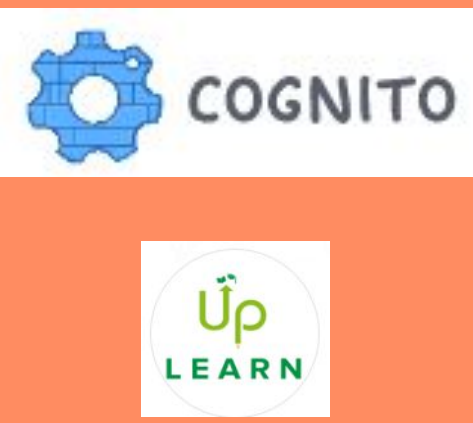

# Comparison of the generations of online learning platforms for GCSE science

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

See overleaf for weaknesses of each

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