

WRIO™

the writing metric

Teacher Guide

Introduction

WriQ is a Google Chrome extension that provides a standard measurement for writing to help teachers and parents monitor and manage the progress of each student's writing. WriQ also facilitates the ability to provide meaningful, personalised feedback to students.

WriQ is built around an enormous data set that has enabled the creation of standardized norms for assessing writing which are combined to create the WriQ Score. A powerful computer algorithm instantly assesses each student's writing, to replace the time-consuming task for teachers of assessing written passages manually, saving time and effort. The WriQ Score is directly embedded into the student's work, giving instant feedback to help students improve their writing.

What exactly does it measure?

WriQ automatically calculates attainment level on the basis of these qualitative factors:

- Writing Speed in Words per Minute
- Correct Writing Speed
- Sentence Length
- Text Maturity
- Spelling Accuracy
- Punctuation Correctness
- Grammar Correctness
- Correct Word Sequence

In addition, teachers can assess their students' writing from a qualitative standpoint through the use of Texthelp-built rubrics. These rubrics are based on the student's grade and the genre of writing, measuring everything from plot, narrative techniques, language and more.

Through these metrics, WriQ can give teachers and parents a more meaningful picture of each student's overall maturity and sophistication as a writer.

Let's get started

1. WriQ is a Chrome Extension so you add it to your Google Chrome Browser. You can do this here:

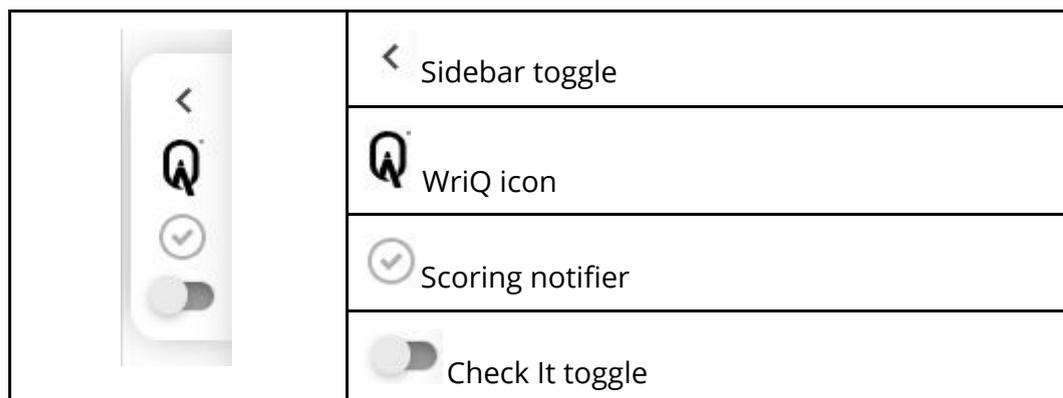
[Get WriQ](#)

2. You will be guided through signing in and accepting Google permissions (**Note:** you must accept these to enable WriQ).
3. Once added you will see this icon  appearing close to your address bar. It is this icon which turns WriQ on or off.

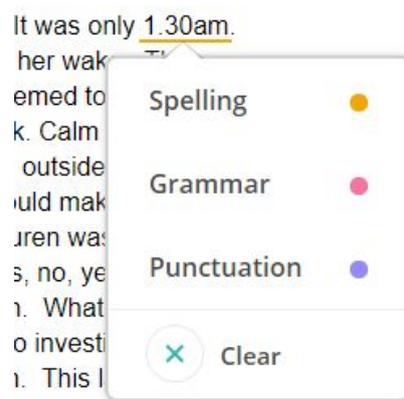
Marking your students work

1. Open a Google doc created by one of your students. Once open, click on the

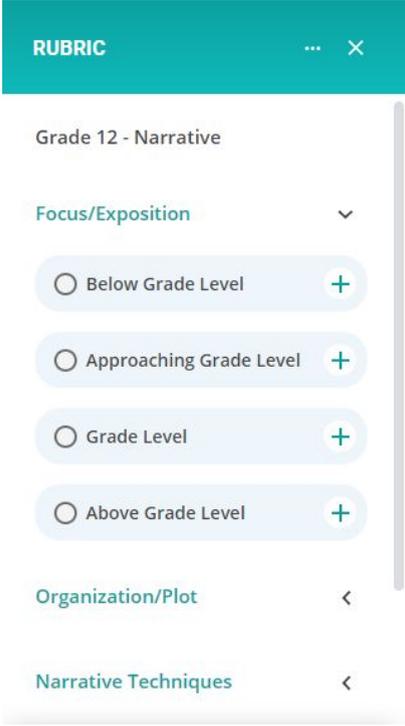
 to open the WriQ toolbar which will appear to the side of your Google Doc:



2. Click the **Check It** toggle on to see the errors highlighted within the document.
3. Errors will be highlighted based on type. As you read the work you can scan through the identified errors and, if needed, clear an error, or change the error type, by clicking on it and choosing which option is relevant:



9. The rubric opens:



RUBRIC ... ×

Grade 12 - Narrative

Focus/Exposition ▾

Below Grade Level +

Approaching Grade Level +

Grade Level +

Above Grade Level +

Organization/Plot <

Narrative Techniques <

10. The rubric enables you to give more feedback on the work. However, if you wish you can skip this.

Note: the rubric is based on the grade level and genre for that piece of writing.

11. To complete the rubric simply select which option best reflects the writing. Click

on the  beside an option to see an explanation.

12. Complete the rubric for each section.

13. Click on **Continue**.

14. The **Summary** will appear, looking something like this:

SUMMARY
... ✕

WRIQ SCORE ¹ RUBRIC SCORE

278.1 **50/100** INSERT

Enter some feedback (optional)

0/200

WRIQ SUMMARY



- Spelling 3
- Grammar 1
- Punctuation 5

Word Count 292

Vocabulary Age 9 years

Time on Task 10 min(s)

RUBRIC SUMMARY

Focus/Exposition:
Progressing

Progressing

Organization/Plot:
Progressing

Progressing

Narrative:
Progressing

Progressing

Language:
Progressing

Progressing

15. There is a text box where you can provide feedback to the student if you wish.

16. Notice there is a WriQ score at the top of the summary. For more information on how this score comes about please see - [What's the WriQ Score](#)

17. Click on **Save**.

18. You will get a message to say that the document has now been scored.

Note: you can go back at any stage to remark any part of the scoring or re-score the document at any time.

- Simply click on **Insert** and the summary will be put into the Google doc from where your student will be able to see it:

SUMMARY & FEEDBACK

WRIQ SCORE
278.1

RUBRIC SCORE
0/100

WRIQ

WRIQ SUMMARY

9

Errors

Spelling 3

Grammar 1

Punctuation 5

Word Count 292

Vocabulary Age 9 years

Time on Task 10 min(s)

RUBRIC SUMMARY

:

:

:

:

FEEDBACK

Good effort. I would have liked to see you develop the plot more.

Fright Night

Lauren work with a start and immediately glanced at the clock. It was only 1.30am. She laid still concentrating on trying to work out what had made her wake. The herder she concentrated the faster and louder her heart beat seemed to get to the point that she started to panic that she was having a heart attack. Calm down she told herself. Wait, what was that? There was definitely a sound outside. It was like a nail dragging down a blackboard but cut short just before it would make you shiver. Now the question was, did she get up to investigate? Hmm? Lauren wasn't exactly Nancy Drew stock so there was a constant back and forth or yes, no, yes, no. The argument immediately stopped when she heard the sound again. What did she remember from all those horror movies she watched - don't go to investigate, don't go anywhere alone and always take spare batteries for the torch. This last one made her giggle a little till she remembered why exactly she was going over this. Finally she said to herself out loud, 'time to put on your big girl pants'. Lauren

Note: You can still re-score and re-insert this feedback should you wish or if the student adds further writing to the document.

What's the WriQ Score?

The WriQ score can help you track how well your students are writing but taking into account several useful metrics along with a national norms comparison. The following are considered:

Productivity - Their writing output - how many words did they actually write.

Accuracy - Their grammatical accuracy - how many correct word sequences did they create.

Pace - Their writing speed or pace - how many words per minute, and more specifically how many correct word sequences per minute did they write

Maturity - How does their vocabulary maturity compare with the national norms.

Productivity and accuracy have previously shown to be useful measures of student writing progress and have been widely adopted in many writing assessment applications. The standard measure for productivity and accuracy when writing is generally referred to as correct word sequences (CWS) and Incorrect Word Sequences (ICWS). To understand these measures, think of any two words together forming a sequence. If one of the two words is incorrect in some way it makes that sequence incorrect. The more correct word sequences (and less incorrect word sequences) the better.

Unfortunately the calculation of CWS and ICWS scores by teachers has been such a slow and laborious process they are not all that practical to use in today's classroom. Teachers just do not have time but WriQ can calculate this for you.

In addition to productivity and accuracy, writing pace and text maturity are also valuable measures of writing. Until recently there has not been a means of accurately assessing how long a student spends writing a passage, and the automated assessment of text maturity was not widely available.

Changes in available technology has made it possible to:

- Automatically estimate the CWS and ICWS measures and make it simple for teachers to modify those estimates - removing the time-consuming "busy work" of creating these measures. This greatly simplifies the assessment of Productivity and Accuracy.
- Automatically track the time spent writing in Google Docs and Microsoft Word - the tools most widely used for student writing - providing a measurement of Pace.
- Automatically provide an assessment of text Maturity

Tying these scores together has allowed WriQ to display a single score that can give educators a much more accurate picture of student progress. And because the WriQ score has been developed based on research of tens of thousands of writing samples by students across grade levels and scored by teachers, it can also provide a national comparison based off a student's grade and the time of year.

