Applications for Teaching and Learning

Here is a list of applications and/or Chrome Extensions that will potentially be of assistance to you and your students. Take the time to look at those that seem of interest in your area of discipline. Some are fit for all disciplines, as they are generic tools.

Online Rubric - Integrated in Google Docs/Spreadsheet
http://inspiteofblog.blogspot.com/p/online-rubric.html - This allows you, as the teacher, to create and send customizable rubrics and scores to students by email for any assignment.

Use _Online Rubric_ for any assignment, including presentations, performance, and participation grades, and send grades to your students without the hassle and waste of paper and copiers - and you still have a digital version of the information. No need to worry that you will lose this information, it is on Google Drive, so if your computer goes down - no losses.

One teacher's testimony on the value of this was as follows, "_This is a wonderful way to evaluate student work and give them detailed and personalized feedback._
I can link other sheets like attendance and overall grades and send a comprehensive report.
With some tweaking you can send nicely formatted emails with all sorts of information.
This is changing my attitude toward grading!"

Orange Slice - Formative Grading / Thorough Rubric
https://plus.google.com/u/0/114118124295389124507 - **Orange Slice Teacher Rubric** is an add-on / extension that will increase your grading productivity and it professionally presents a scored rubric and grade for your students. It is a Chrome extension and works wonderfully with Google docs. Video tutorial here https://www.youtube.com/watch?v=_KtzCnvqPYs

Google docs is a fantastic application to create, distribute and receive submitted assignments from students. However, it takes too many highlights, clicks and time to format grades on 125 submissions. So, this extension is a lifesaver and takes care of many time issues.
OrangeSlice: Teacher Rubric increases the teacher's grading productivity by eliminating repetitive clicks, presenting the rubric selections in an easy to use format and presenting the final grades in a consistent, professional format. More time is created for the teacher to provide the needed constructive feedback their students need for success.

At reviewer of this extension stated that she … "_liked this a lot even before the most recent update because it makes grading student writing and projects much quicker and more objective; after the update, I LOVE it! The addition of open-ended feedback is great, because I can explain why points were lost in a category in the rubric itself. This saves me time when the student later asks me to explain the grade, and I can refer them to the rubric pasted into their paper (returned to them digitally via Google Classroom)._"

Screencastify - Screen Video Recording for Chrome
https://www.screencastify.com/ - Screencastify is a simple video screen capture software for Chrome. Just press record and the content of your tab, webcam or desktop records. Create screencasts for tutorials, presentations etc. Screencastify does not depend on any plugins.
https://www.youtube.com/watch?v=eC5AzFH5QfA

Goobric & Doctopus

Goobric
http://cloudlab.newvisions.org/add-ons/doctopus - This extension launches the Goobric web app, a rubric based assessment tool that works with the Doctopus Add-on for Google Sheets. To be used in tandem with the Doctopus Add-on for Google Sheets, the Goobric web app enables flexible, efficient rubric-based grading of Google Drive resources (Documents, Presentations, Spreadsheets, Folders, etc.) Doctopus is a popular assignment distribution and management tool available from any Google Sheet from the Add-ons menu->just search the Add-ons store for "Doctopus."

Doctopus - As referenced above
http://cloudlab.newvisions.org/add-ons/doctopus - Allows students to see rubric alert and button in Google Docs editor
Rubric-based assessment is designed to guide student learning and revision, and rubrics work best as an instructional tool when students are aware of their criteria while they are working, engaging with them regularly as a form of self-assessment and peer-assessment.

Many classroom teachers spend most of the day chasing after paper from their students. Whether it's differentiating the distribution and assessment of assignments, or collecting assignments and storing student data, **Doctopus** has come to serve as a virtual assistant to help you "Revolutionize Your Workflow!"

DIGITIZE ASSIGNMENT DIFFERENTIATION
Doctopus allows you to easily set and control access levels for individuals and for the whole class on assignments. Create student assignments templates in Google Drive, and then distribute them based on individual student level and need.

ESTABLISH PEER REVIEW PROTOCOLS
Doctopus allows the teacher to set student access permissions to assignments on a whole class level (student to student) as well as an individual level. Create assignments that grant view-only or comment-only privileges to the rest of the class for peer review protocols. Celebrate student work by enabling view-only access to all student assignments where students can view without editing their classmate's work.

EASILY REMOVE AND RESTORE STUDENT EDITING RIGHTS
When assigning a due date, use Doctopus to set it and forget it! Identify the date and time that you want Doctopus to remove student access to assignments so they can be graded. At the scheduled time, Doctopus will change the identified access level to all distributed student assignments. This feature is great for timed essay practice!

GOOGLE CLASSROOM MODE
Teachers can now use Doctopus with Google Classroom distributed assignments. By "ingesting classroom assignments", teachers can capture recent student activity as well as "attach Goobric".

That's why Goobric for Students provides a popup reminder and a button in the Google Docs editor designed to encourage students to review the teacher's scoring rubric as they are creating or revising an assignment.

Gradelicious - Grading your Google Classroom
https://gradelicious.com/ - Trade in those time expensive efforts managing your student work today and experience our refreshing, streamlined, rubric driven 21st century solution.
Install the Chrome extension and start getting your time back, because you...
• Need to be effective
• Demand a secure & efficient solution
• Love when simple works

The Kahoot! platform and brand is developed by the founding team lead by Johan Brand, Jamie Brooker and Morten Versvik. The quiz component is based on research carried out by Professor Alf Inge Wang and his colleagues at the Norwegian University of Science and Technology (NTNU).
The Pedagogy and User Experience was developed while these professionals were working at their behavior design company entitled, "We Are Human in London."
As an instructor, simply go to create.kahoot.it and develop your quiz or survey there.
Your students should download the Kahoot app in order to "play" the quizzes or surveys.

Piazza
Why Piazza Works
Piazza is free, easy to use, and takes minutes to set up. But what is it that keeps students engaged and saves you time?
It starts with students contributing.
Anyone can ask and answer questions on Piazza. With students teaching students, conversations on Piazza can continue long after classes are over.
Piazza gives students anonymity options to encourage everyone—even shy students—to ask and answer questions. Instructor endorsements of good questions and answers let instructors push the class in the right direction.
A site that actually keeps up with class activity—in real time!
Students and instructors respond to questions fast because things happen fast on Piazza.
Unlike static class websites, Piazza displays updates as soon as they happen, so you see changes in real time. A student can leave his/her browser open all evening and see the answer(s) to the posted question evolve.

Coggle – Mind-mapping Tool
Coggle gives you a clear way to share and understand complex information. It's a collaborative document that simplifies complex things and a shared workspace to help your team work more effectively together. http://coggle.it/
It's **free**, and we promise it always will be, but we still promise to look after your data the best we know how, to keep backups, and to take security seriously.
Our mission is to change the way that people work and collaborate forever, to make you more productive, to make it easier to share information with others, and to do it in a way that's beautiful, and a pleasure to use.

Diigo

Diigo is the #1 extension for annotating, archiving and bookmarking webpages. With this easy-to-use tool, you can 1. Bookmark links to archive webpages and more. Diigo is simply a powerful research tool and a knowledge-sharing community. Amazingly useful to be as the research comes to me and I do not necessarily have to go and find it…at least not always.

Mathematics

GeoGebra Math Apps

For an extensive math extension that will keep the students that thrive on math challenged, to the students that struggle, this tool is very handy. A link to the tutorials of this extension (and smartphone app) is here → https://www.geogebra.org/manual/en/Tutorials
GeoGebra is dynamic mathematics software for all levels of education that brings together geometry, algebra, spreadsheets, graphing, statistics and calculus in one easy-to-use package. GeoGebra is a rapidly expanding community of millions of users located in just about every country. GeoGebra has become the leading provider of dynamic mathematics software, supporting science, technology, engineering and mathematics (STEM) education and innovations in teaching and learning worldwide.
Quick Facts
- Geometry, Algebra and Spreadsheet are connected and fully dynamic
- Easy-to-use interface, yet many powerful features
- Authoring tool to create interactive learning materials as web pages

One of hundreds of videos to learning the possibilities of GeoGebra
https://www.youtube.com/watch?v=jtlCE5uTEDM

LucidPress for Education
http://lucidpress.com