Foreword

Google, Apple, Samsung, and many others have always been known for innovations in almost every area they can get their hands onto, and now have launched new, and might I mention amazing, technologies in the fields of wearables. These new forms of technology are being touted as the next big thing in portable technology. These wearable ideas are instant information units, allowing users hands free control of powerful computer devices in real time. These devices currently contain as much processing power as your middle line mobile cellular device, like the iPhone 4, Galaxy s4, and even the iPad first generation. The possibilities are endless among millions of users of wearables. Currently, these devices have the potential to bring exciting new possibilities to teachers and students alike.

Here are some exciting new ways Google and wearables are going to change and revolutionize the classroom. To begin, Google search alone has changed the way we look for things. Admit it, Google search is phenomenal, and this new technology of wearable devices will allow the student/teacher to stay connected to an interactive environment featuring Google Search and other online tools, all the time. Teachers and students can refer to topics related to their studies on the go. No messing with computers, iPads, or cell phones in the middle of class, and no distractions, just straight connection to that amazingly powerful service Google is known for. Google Glass and other wearables help students to create visually rich projects and presentations. Students can take pictures and videos with a wink, publish documents with a spoken command, and even connect with fellow colleagues from around the world at the blink of an eye. The same pictures and videos can be integrated into their presentations in PowerPoint or in Google Documents. Learning new languages and speaking them can now be done on the go with Glass and Google Translator. This allows for a breakthrough in English Language Learners (ELL) and English as a Second Language (ESOL) communication, students and teachers can now translate written text into their native tongue, opening new doors for ELL education. Distance learning is now a lot easier than before with all forms of wearable technology, including Google glass. Webinars, trainings, walkthroughs, and even field trips are live and on the go. Teachers can attend trainings anywhere in the world and see the entire training from the first person perspective. Students can attend field trips in other countries or even watch their teacher experience something that would not be able to be done in class. Flipping the classroom is made even easier. Teachers can record lessons from home, and then present them in class. This lesson can then be paired alongside the physical teacher in the classroom, which effectively makes the teacher his or her own co-teacher. Desktop control and PowerPoint presentations can be controlled with the nod of a head, wink, or vocal command. Providing hands free lessons allowing the teacher the ability to move around the room or the classroom and guide students all while teaching the lesson. Only time will tell whether smart glasses will be built and used effectively inside and outside of the classroom.
After investigating all the different functions and possibilities, just briefly, of Google Glass/smart glass technology and all forms of wearables, one can see the positive influence it will have on our education and world today. However, we are not the only company with the idea of educational development and applications of smart glasses in education. After data evaluation and research, we have found over 4,481 developers trying to profit from the application and development of smart glass and other wearable technologies in the education sector. This means that over 32,000 users of the current Google Glass brand, along slide millions of other wearable technologies leads to almost a 15% market share. From a business standpoint there will be extensive competition for the development of smart glass technology. Any teacher that has seen technology flourish over the past 20 years can see that if we start at this time in the market for smart glass and wearable technology, we will be the central hub for all things wearable in the classroom. We will be ready and prepared for new innovative ways to educate our future youth. In addition, if we are this prepared, we will be ahead of the game with training teachers who obtain this amazing technology and build more effectiveness among those who currently or possibly will use it in their classroom. Wearables are the future of education, and we need to be ready by educating ourselves of the possibilities of its success.

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