



## TEXTBOOKS VERSUS ONLINE LEARNING IN MIDDLE SCHOOLS

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### **Abstract**

*You're used to seeing hundreds or even thousands of books in your textbook room as an educator. These stacks contain out-of-date editions produced prior to the adoption of new state standards. Pages in some books are missing or torn. Also, books have disappeared throughout the long term. Digital textbooks offer many advantages over printed textbooks, which MIDDLE SCHOOLS schools have traditionally used. Are digital textbooks superior to printed ones? What advantages do digital textbooks offer? Continue reading to learn why they make content more accessible, engaging, and customizable. Many experts were confident that the introduction of online textbooks would fundamentally alter the teaching process. Even though these predictions haven't come true yet, the use of online learning resources has made teaching much better, especially in primary schools. The US Department of Education and Studies found that students learn new information 30 to 80 percent faster with digital books. These insights are shared by primary school teachers from all over the world: According to the PBS survey, 81% of them believe that digital textbooks make teaching easier. However, prior to discussing how online textbooks enhance teaching quality, let's examine the definition of the term.*

*Keywords-* Textbooks, online learning, Middle Schools

### **Introduction**

Whether in center everyday schedule planning for school, knowing the contrast among course books and web based learning is fundamental. Beside the way that course readings can assist you with better appreciating the material, they likewise will quite often cost not exactly online books. In addition, they may include additional resources like study aids and previously used course materials. It can be difficult to choose between textbooks and online learning for middle school. Each approach has a number of advantages and disadvantages. Consequently, it's fundamental to gauge these elements cautiously to pursue an educated choice.

### **Printed textbooks lead to better middle school comprehension**

In middle schools, students with printed textbooks have better comprehension. Additionally, research has demonstrated that print books teach students more effectively than electronic versions. There are numerous advantages to reading printed books for education. The primary reason is that reading printed books is more enjoyable. They encourage active interaction with the material and critical thinking. Students can, for instance, highlight information, make notes in the margins, and switch between pages. They can also provide a more immersive experience and a better sense of structure. Another review from Task Tomorrow, a charitable association pointed toward working on instructive quality, uncovers that huge print books can improve understanding. According to the study, books in large print raise reading levels two



to three times more than the average. Additionally, books with large print facilitate concentration. According to the findings of 75% of teachers, students who read books on large paper have a better chance of recalling the information. Students' anxiety is also reduced by these books.

Hence, focusing on the text dimension is basic, whether you are composing an email or working with a reasonable paper author at goodmenproject. Additionally, researchers discovered that reading on a screen necessitates greater concentration than reading on paper and is less effective. As a result, when using a computer, some students need assistance focusing on their assignments. The investigation likewise discovered that understudies have performing multiple tasks propensities while utilizing an electronic gadget. These propensities incorporate replicating pages from notes and skimming over words.

Scientists tried three mediums: paper, digital, and a view distorted by digital technology. On the reading comprehension test, students in the digitally disrupted view performed better. Students performed better on tests that measured cognitive performance and fatigue in both the paper and electronic versions.

Font size, line spacing, and other visual elements have been compared in other studies. According to these studies, the small typeface may overwhelm readers who struggle. Also, it might make the book less inviting. The relationship between students and educational resources was the subject of research at the University of Maryland. They explored 878 investigations analyzing the effect of various mediums on understudies. They discovered that printed textbooks aid in reading comprehension more effectively. Likewise, they found that understudies who read printed books performed better on trial of understanding cognizance and jargon.

### **Final thoughts**

For students in grades MIDDLE SCHOOLS, printed textbooks are still the best option. They give a more effective method for getting the data you want without the issue of dragging around a PC or a tablet.

Additionally, printed books offer extra-textual features that aid comprehension. These include quizzes, educational games, videos, and other interactive elements. Once more, this lets students learn in a way that fits their learning styles.

Handwriting provides tactile cues to the human brain. This is especially true when illustrations accompany the text. Scrolling through text online produces a similar effect. The product, on the other hand, is less obvious in this instance.

### **Why are online textbooks better?**

#### **Environmentally-friendly**

According to the University of Michigan, 30 million trees were cut down last year to print traditional textbooks. Trees remove harmful carbon dioxide and provide oxygen, which is essential for creating cleaner air. By using digital versus physical textbooks, your school district can help support a stronger, healthier environment.



### **Accessible from any location**

Print textbooks can be misplaced at school or at home. However, because the online versions can be accessed on any computer, Chromebook, or mobile device, there is no downtime for learning.

eBooks are compatible with a variety of devices, so educators and students can access them from any location and on any device. Because the content is available in a variety of formats, schools can easily switch between hybrid and in-person learning. Computerized course books can likewise be downloaded, so understudies can utilize them disconnected on the off chance that network access isn't accessible. **Why should schools use digital textbooks?**

### **Cost-effective**

When comparing traditional textbooks versus digital textbooks, there is a cost factor. E-textbooks are more affordable for schools, especially when new editions come into play. When a traditional textbook publisher releases a new edition, those have to be purchased by a school or a district. Updated online textbooks, on the other hand, don't require a hefty price tag or shipping costs. In fact, Public School Review found that digital versions are 53% cheaper than new printed textbooks.

### **Instant delivery**

With digital options, schools no longer need to order textbooks and wait for them to be delivered to the school. Online books are available instantly. Instead of having students and families line up to pick up their books, the content can simply be downloaded to a device. This is also a great solution if a school decides mid-year to add a supplemental textbook or purchase books for specific learners.

### **No capacity required**

Envision an existence where study halls don't have to track down a spot to fit piles of customary course books. With digital textbooks, there is more room in the classroom for learning centers or for students to move around more. Additionally, schools are not required to store brand-new textbooks in a textbook room or to spend time tracking down each book.

### **Programmed refreshes**

Generally, distributors update MIDDLE SCHOOLS course books like clockwork. When new versions are composed, schools then, at that point, need to buy them, hang tight for them to transport and store them. With advanced course readings, any update can be made naturally with no personal time. This indicates that the curriculum in your school district remains pertinent and in line with standards and current events.

### **Why should teachers use digital textbooks?**

#### **Customizable**

When teachers use digital textbooks, they can easily see how their students are doing. Customizable This makes it possible to tailor lessons and assignments to specific students or groups. In addition, font sizes and page brightness can be adjusted for online books. Page tones can frequently be altered which assists a few students with seeing the substance all the more without any problem. For students who require that accommodation, there are also read-aloud versions of the text available.

#### **Collaborative**



Additionally, collaborative online textbooks enable teachers to collaborate with students in the class or permit students to share with one another. Through the digital textbook or an online hub that is related to the text, they can directly share ideas, notes, and questions. Collaboration enhances students' comprehension of material and makes learning more meaningful.

### **Self-directed**

Online textbook formats empower learners by giving them the chance to learn at their own pace.

Students can visit hyperlinks that take them to additional reading. This can help them better understand a concept or allow for further learning if they're interested in a topic. Learners can also bookmark pages as they read and quickly return to them later for review.

Online editions of textbooks also often include audio and video links. These options personalize the experience for students with different learning styles. Many eBooks also provide students with quizzes or practice questions based off of chapters they've just read. Students can use these to take responsibility for their own learning without outside instruction.

### **Why are eBooks better for students?**

#### **Familiar**

Students are constantly immersed in technology and social media. Another one of the benefits of digital textbooks is that the format mirrors how kids absorb content in their daily lives. By embracing digital textbooks versus printed textbooks, school districts teach learners in the way that is most familiar to them.

#### **Interactive**

Another one of the huge benefits of digital textbooks is that they are interactive. MIDDLE SCHOOLS learners can't mark up a printed textbook, but they can interact with an online book. Teachers no longer need to make photocopies of book pages in order for students to highlight and make annotations directly on the text. Learners can also search for key terms and quickly copy and paste quotes into their notes.

#### **Portable**

When course content is loaded onto a device, students don't have to lug heavy textbooks around in a backpack. It makes their lives much easier by being able to carry their math, language arts, social studies, science and other textbooks on one device.

### **Some interesting facts about digital textbooks**

Ever since they were introduced to education, different studies have been examining the impact of digital textbooks. Here are some of their most interesting findings:

- a tablet with a memory of 4 GB containing 3,500 digital textbooks weighs one billionth of a billionth part of a gram more than an empty tablet; in comparison, the same amount of printed textbooks would weigh around two tons;
- students who used interactive, digital textbooks achieved 20% better results in standardized math tests than their peers who learned from traditional textbooks;



- the number of students who require medical care due to back and shoulder problems caused by the weight of their school bags dropped by 54% since the introduction of digital textbooks.

### **The future of online textbooks**

Even though digital and printed textbooks are frequently compared, usually by discussing the benefits and drawbacks of each, this is actually the wrong perspective. When it comes to education, we ought not to be exclusive. The synthesis of digital and printed teaching materials is the solution, not an either-or strategy. In this sense, digital textbooks will not, at least not immediately, replace printed textbooks. However, they are a significant addition that, in contrast to conventional textbooks, enriches instruction, broadens content, and engages students in novel ways. Combining both kinds of textbooks with individualized applications is the best strategy.

### **Both children and teachers benefit from them**

Teachers can benefit greatly from online textbooks. Besides the fact that they computerize specific showing processes, hence saving time, however they likewise furnish educators with an entire scope of devices and helps for enhancing addresses. Simply put, an electronic textbook is a hybrid of a traditional textbook and a teacher's guide that provides a wealth of creative and multimedia content to enhance the visual and cognitive appeal of classes. The constant possibility of adding new content is a particularly attractive feature of digital materials for educators. Along these lines, the showing system can never become dull and dreary, which makes learning an innovative and fun interaction. The digital textbook's capacity for automatic task review is one of its most appealing features. Because of this, students can work independently from home with them, and parents and teachers can always see how their children are progressing. There is yet another reason why children find knowledge testing in digital textbooks interesting. Specifically, written assignments and tests are among the primary sources of stress for students. Numerous youngsters neglect even things they know because of test-related uneasiness and thus get less than stellar scores. On account of computerized course readings, an understudy's information is tried through online tests, speculating games, and other tomfoolery instruments. As a result, knowledge assessment takes on the form of a game, making it engaging for students and, most importantly, stress-free.

### **Conclusion**

The present kids are experiencing childhood in reality as we know it where innovation assumes a significant part. Large numbers of them come into contact with cell phones, tablets and workstations before they've even figured out how to walk. Sometime down the road, one of the principal manners by which youngsters learn new satisfied is through computer games, kid's shows, films, and virtual entertainment. The digital textbook comes into play here. Simply put, its objective is to produce the best learning materials by utilizing all of



technology's advantages. The end result should be more successful learning because children receive educational content in a format that is relatable, familiar, and associated with fun. We can use the potential of technology for educational purposes by using digital textbooks to teach children how to use technology responsibly for development. Digital resources are particularly appealing to parents who are concerned about their children's excessive computer use. Because of this, educators and parents want to make use of new technologies in order to provide their children with better content. They are aware that technology cannot be avoided in the 21st century due to its abundance of opportunities. Digital literacy is one of the main requirements for professional success in modern society, so it should be used appropriately. To use the conceivable outcomes of innovation in the most ideal manner for training, advanced reading material should be very much planned. Consider the following factors when selecting an e-textbook for your child: Digital content of high quality is not just a trendy and modern addition to conventional textbooks; rather, it should significantly enhance the quality of instruction. Find out from the seller or publisher how a textbook's content can help your child learn.

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