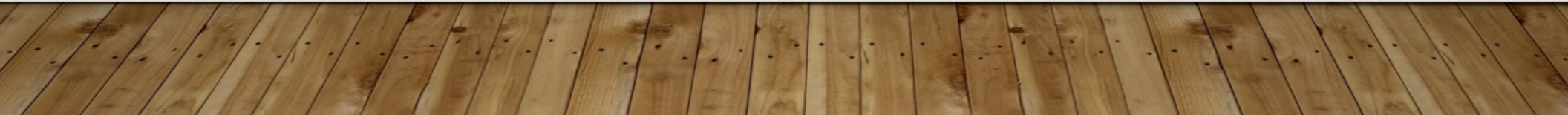


Technology in Education

SHATINA HUNTER AND WILLIAM BARTON

THEN AND NOW



TECHNOLOGY IN EDUCATION TIMELINE

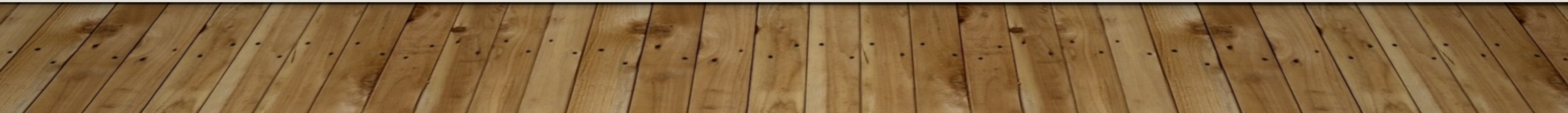
- 1900-1920
 - One-room schoolhouse
- 1923
 - Classrooms begin incorporating radios into writing, math, history
- 1930s
 - Overhead projectors, initially used for US military training, quickly spreads to schools
- 1933
 - 52% of schools are using silent films and 3% are using films with sound

TECHNOLOGY IN EDUCATION TIMELINE

- 1939
 - The first TV appears in a classroom in LA
- 1950
 - Headphones become popular in school language labs
- 1960s
 - Whiteboards are invented to replace the chalkboard
- 1967
 - Texas Instruments develops the handheld calculator

TECHNOLOGY IN EDUCATION TIMELINE

- 1972
 - Scantrons are used to automatically grade multiple choice tests
- 1984
 - Apple Macintosh computer is introduced. Ratio of computers to students in US schools is 1 to 92.
- 1985
 - Touch typing software Mavis Beacon Teaches Typing is developed and popularized in schools
- 1988
 - Laptops are introduced and eventually used as teaching tools



TECHNOLOGY IN EDUCATION TIMELINE

- 1990
 - CD-ROMs become a predominant form of storage
- 1991
 - SMART boards are introduced
- 2002
 - About 99% of American public schools had Internet access
 - (About 35% in 1994)

TECHNOLOGY IN EDUCATION TIMELINE

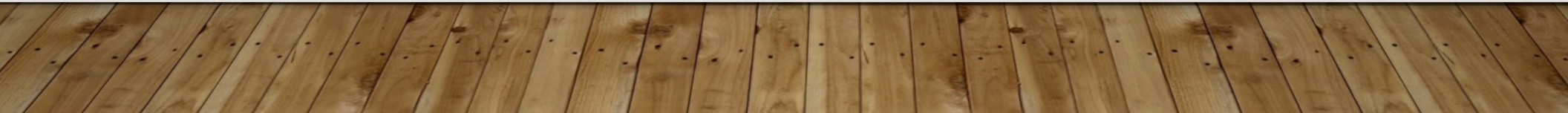
- 2012
 - 1.5 million iPads are used in US schools
- 2013
 - 90% of students under the age of 18 have access to technology
- 2015
 - Increase in blended learning

VIRTUAL OR ONLINE LEARNING

48 states and the District of Columbia opportunities supplementing classroom instruction on an occasional basis to enrolling students in full-time programs.

- dual enrollment
- credit recovery
- summer school programs
- Advanced Placement and honors
- remediation classes.

Both core subjects and electives can be taken online, many supported by online learning materials.



FULL-TIME ONLINE SCHOOLS

- State operated
- District operated
- Charter operated

BLENDED LEARNING

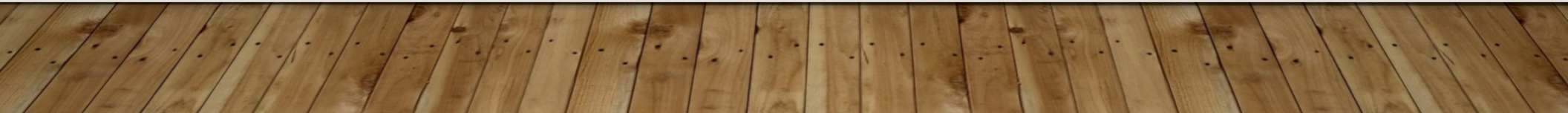
- Face-to-Face and online learning opportunities
- Integration of online resources into the curriculum
- Used to accommodate students' diverse learning
- Styles and convenience
- Allows acceleration of learning, efficiency of teacher time, and reduction of the cost of instructional materials
 - Used in rural areas
 - Hybrid class

OPEN EDUCATIONAL AND DIGITAL RESOURCES

- Teaching, learning, and research resources that reside in the public domain and are freely available to anyone over the Web
- Electronic grade books
- Digital portfolios
- Learning games
- Real-time feedback on teacher and student performance

BENEFITS OF TECHNOLOGY IN EDUCATION

- Changes the roles of teacher and students
 - Teacher: more of a facilitator and overseer as opposed to center of attention
 - Student: Convenience, compatibility, and competence
- Increases motivation and self-esteem of students
 - Self-Pacing
- Technical skills: (CBA, keyboarding, EAST, etc.)
- Increased use of outside resources



CONSEQUENCES

- Access to inappropriate content
- Less face-to-face interaction in some cases
- Laziness in studying
- Susceptibility to more problems technically and academically

Test Prep

FLASHCARDS

- Strengths: Key terms, concepts and identifying
- Method: quizzes, true/false, match, memory, other games

Related:

Flashcards by Chegg
Chegg, Inc.
★★★★★ (28)

Offers Apple Watch App

Create a custom deck for a tough class or upcoming test

Quizlet: Flashcards
Quizlet LLC
★★★★★ (3)

Study any subject on the go

Flashcards [::] 4+
NKO Ventures, LLC >
Offers In-App Purchases
★★★★★ (130)

+ UPDATE

Offers Apple Watch App

Details | Reviews | Related

iPad

Flashcards by NKO
learning with fun
1'000'000+ students and teachers

French box
25/1076
Dues (17) #1

EXAMPLE Flowers

rose

sunflower

daisy

iris

tulip

STRAIGHT FORWARD SETUP

iPad 7:17 PM 39%

Done Create Card Create

1st side: 2nd side:

Images, Video and Sounds: ▼

vocabulary Matching

1

Rationalism	An agreement between the governed and the government to provide security, welfare, and laws agreeable to both.
Social Contract	Primary basis for human knowledge comes from the exercise of reason and not from the sense of perception.
Romanticism	Response to enlightenment and against reason
Psychophysical parallelism	Mind-body problem solution that allows for two separate systems, one for physical events and the other for mental events, but prohibits them from affecting each other.
Utilitarianism	What is best for the group is best for all

Cancel Quiz

time 00:42 #/total 5/20

Rationalism

Being conscious of one's own perceptions.	Herbart's conception of a limit below which an idea will be out of consciousness, and conversely, in consciousness when above it.
Primary basis for human knowledge comes from the exercise of reason and not from the sense of perception.	Solution to the mind-body problem in which the mental and physical parts are considered to be separate representations of the same substance.

Developmental P

1

Freud	libido is driving force behind development
-------	--

False True

Exam 1

Stop

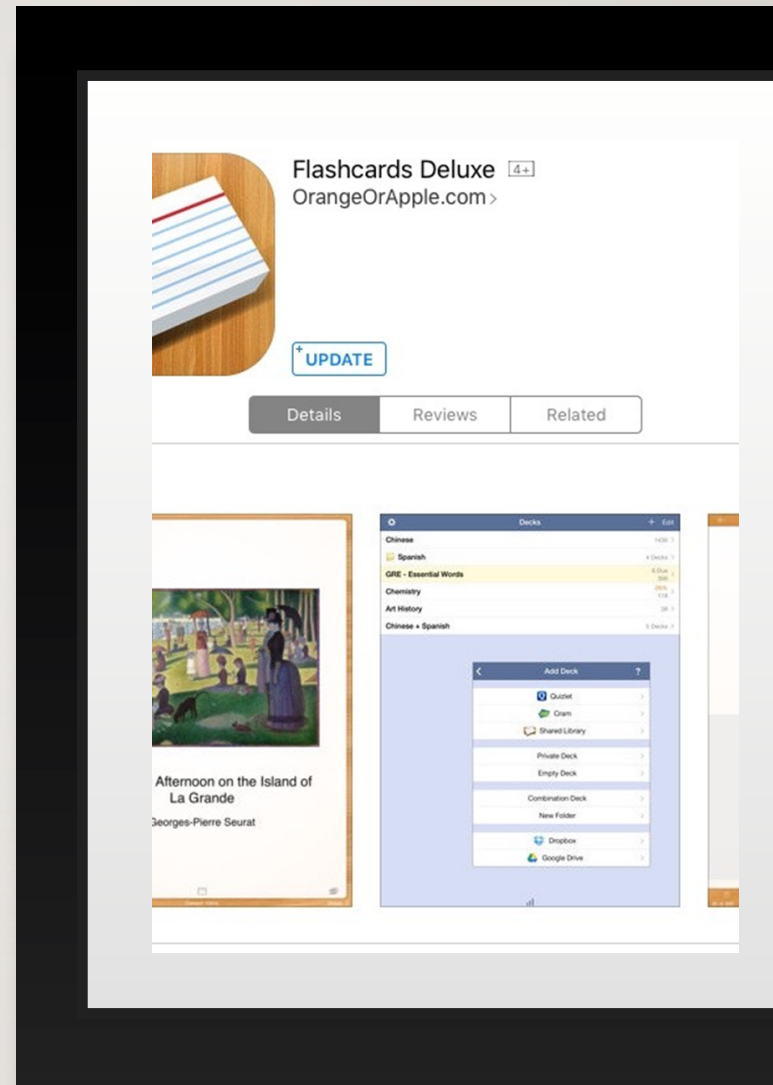
Cerebellum

Time/card 6.5
Pace: x1.0

antidepressant which affects the serotonin neurotransmitter system	The shaping of behaviors by providing rewards for desired behaviors and punishments for undesired ones	Have a degree in nursing, but have specialized in helping with psychological problems (often found in psych wards)	Send on the belief that an individual's problems are always rooted in interpersonal systems, particularly family systems
A line that indicates a sufficient amount of abnormality to warrant a diagnosis or treatment	Based on the assumption that when people are presented with an ambiguous stimulus, such as an oddly shaped ink blot or captionless picture, they will interpret the stimulus in-line with their current concerns and <i>favorable relationships with</i>	Detects specific cognitive deficits such as a memory problem which occurs in dementia	People learn new behaviors from imitating the behaviors modeled by important people in their lives, and gauging whether to include those behaviors by the benefits or punishments they see in others
PET: positron Emission Tomography	The idea that all behavior is learned and can therefore be unlearned	In the twelfth century towns began taking responsibility for the care of mentally ill patients; however, these hospitals were more like prisons than hospitals. The admitted had no rights and were often confined <i>for pleasure or recreation and</i>	Bipolar medication which stabilizes moods
fMRI: Functional MRI (both structured and functional)	Involved in balance and control of movement	Antidepressant designed to target both serotonin and norepinephrine	Master degree in social work, focuses on helping people with psychological problems overcome social conditions

STRENGTHS: MULTIPLE CHOICE TESTS

Method: use of smart tech that teaches the user in small increments





Which of the following is true regarding the positive effects of marriage on physical and psychological functioning of older adults?

they are greater for women than for men

they occur among both women and men, but are generally greater for men than women

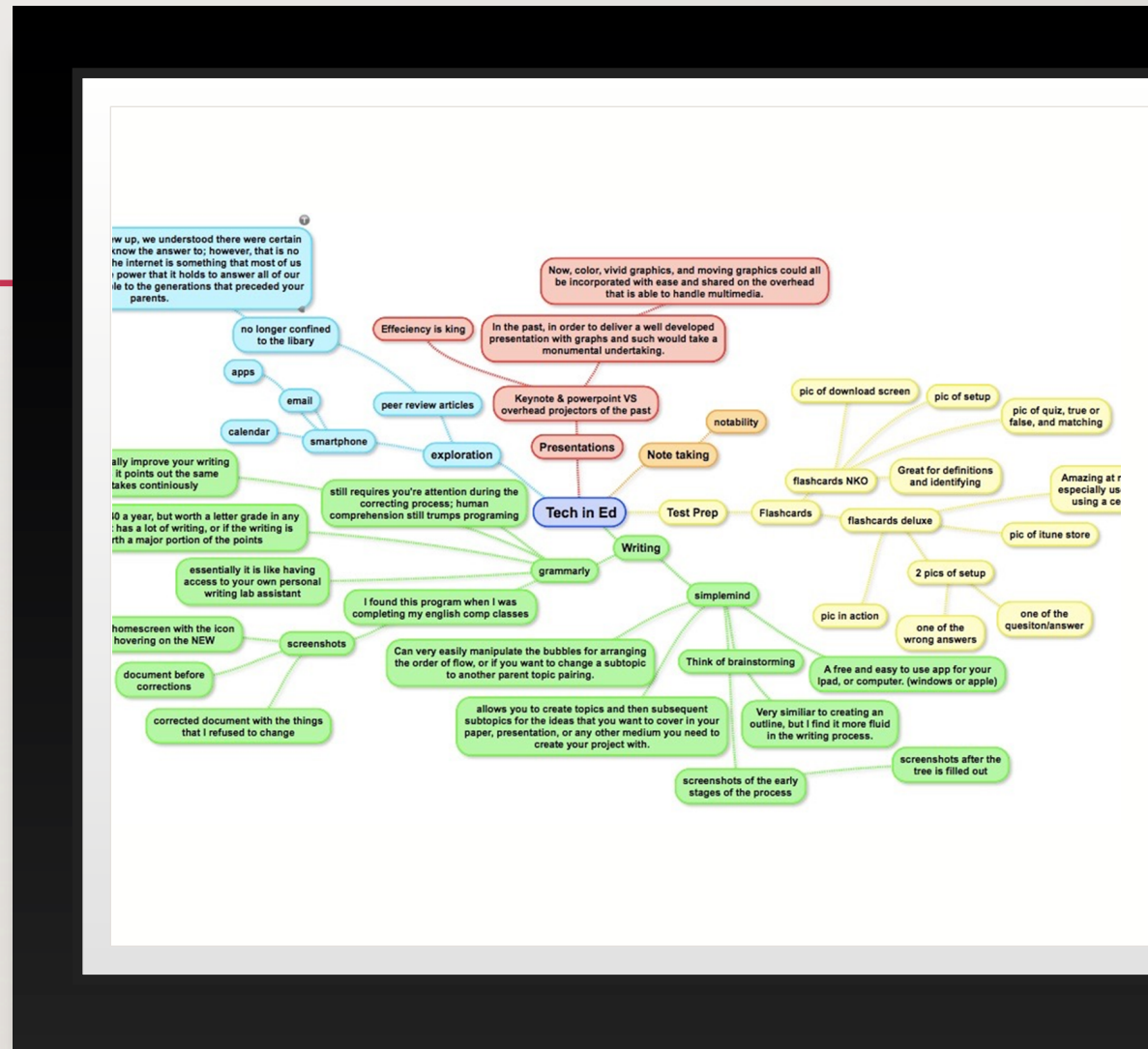
they exist for men, but there are no benefits for older women

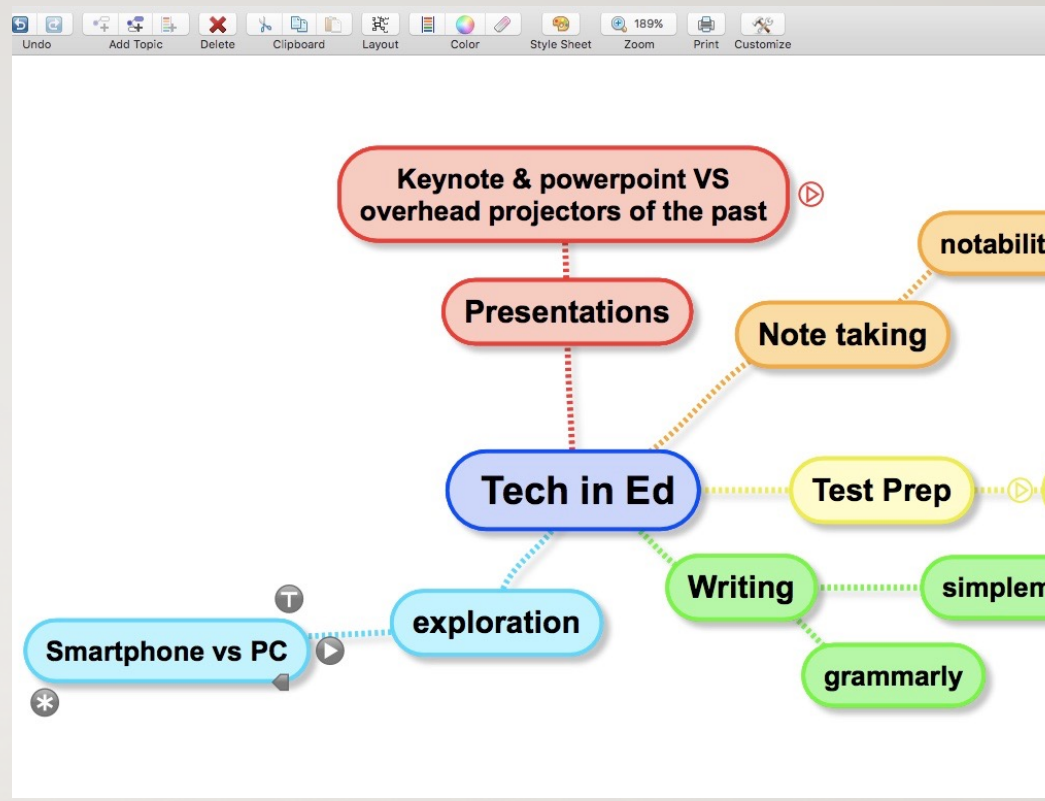
those that were seen in early and middle adulthood have largely disappeared by late adulthood

Writing

SIMPLEMIND (WINDOWS/MAC)

A creative writing program which maps out the writing process in a way that the mind is already familiar with.



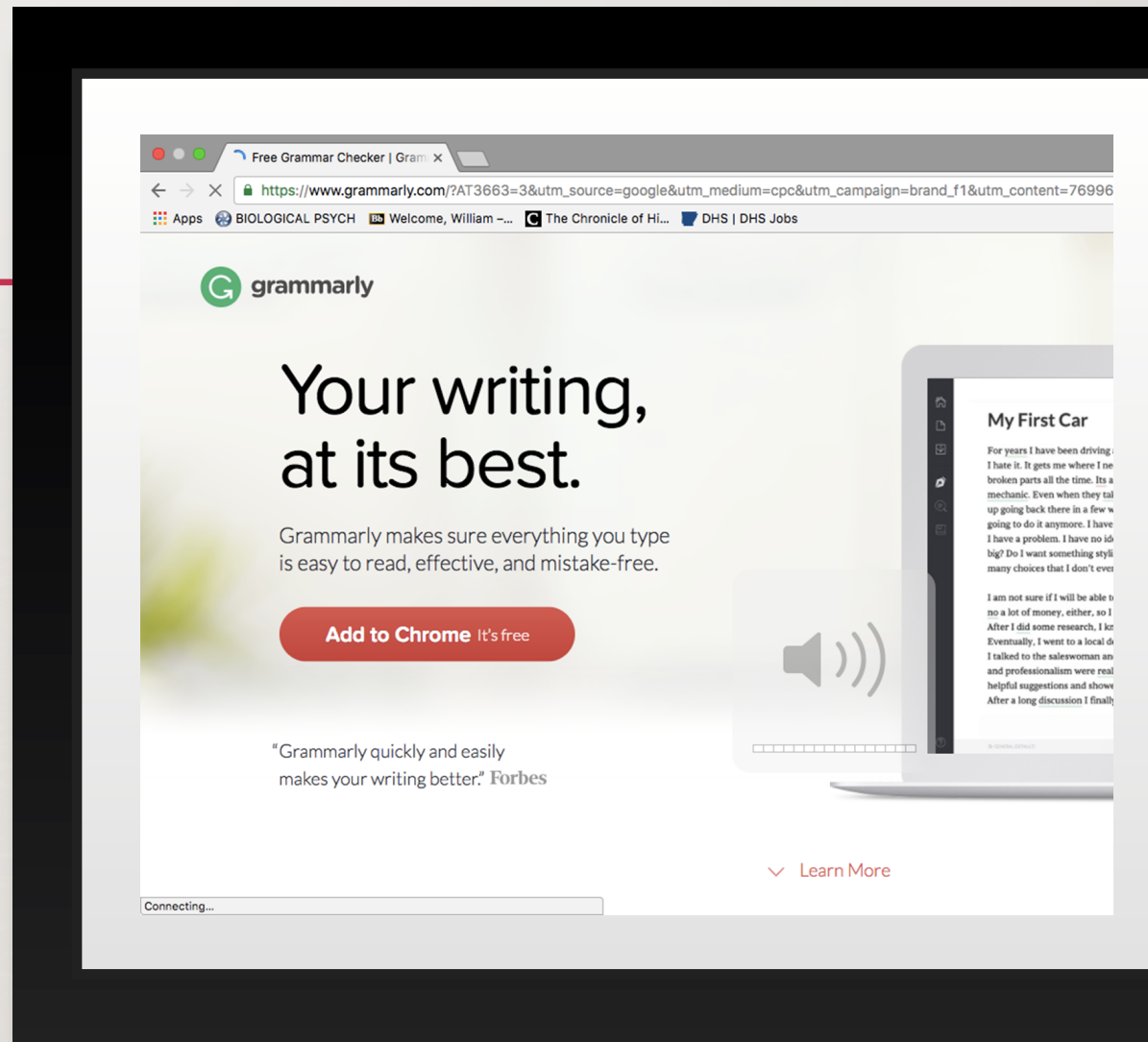


GRAMMARLY

- \$70 a semester (cheaper than a textbook)

It is worth a letter grade in classes with a lot of writing.

Not as good as the writing lab but more convenient.



The screenshot displays the Grammarly website in a browser window. The address bar shows the URL: https://www.grammarly.com/?AT3663=3&utm_source=google&utm_medium=cpc&utm_campaign=brand_f1&utm_content=76996. The page features the Grammarly logo at the top left. The main headline reads "Your writing, at its best." Below this, a sub-headline states: "Grammarly makes sure everything you type is easy to read, effective, and mistake-free." A prominent red button with white text says "Add to Chrome It's free". A testimonial quote from Forbes is displayed: "Grammarly quickly and easily makes your writing better." To the right, there is a graphic of a laptop displaying a document titled "My First Car" with a speaker icon and sound waves, suggesting audio feedback. At the bottom right, a red link says "Learn More". A "Connecting..." status bar is visible at the bottom left of the browser window.



New

Import



Type your title

Type or paste (⌘V) your text here. Upload a document to save original formatting.

GENERAL (DEFAULT)



Conclusion

ADHD is a problem facing American children today on a scale that is truly astonishing. These children facing a world in which the easiest solution is medicating the masses, often times do not get the proper treatment for themselves. ADHD is a real disorder and impacts children in several ways that impair the proper growth needed to move to their next phase in life. This disorder effects parents and children alike, as often times the parents find themselves at wits end trying to handle the child who may not be intentionally acting out. There is more of a cause to believe this disorder is created due to environmental aspects than there is that it is genetic based; however, further testing is required to confirm this. In the future social workers will continue bridging the gap between the child, parents, and school to better serve the child's immediate needs.

Reflections

William: I had never truly taken into account the parents side when dealing with a child diagnosed with ADHD, and it was eye opening.
 Rachel: I learned how the stimulants affect the brain; I didn't know how it increased the dopamine in the brain.

a-world → the world

often-times → often

Repetitive word: disorder

Possibly confused word: effects

often-times → often

wits → wit's

Passive voice

future,

It appears that you are missing a comma after the introductory phrase **In the future**. Consider adding a comma.

MORE

Split infinitive



Ease of Access

BEFORE THE INTERNET

A student would be expected to spend hours upon hours in the library.



Searching: **Academic Search Complete**, Show all | Choose Databases

The walking dead Select a Field (option...) **Search** **Clear** ?

AND Select a Field (option...)

AND Select a Field (option...) (+) (-)

[Basic Search](#) [Advanced Search](#) [Search History](#)

Search Results: 1 - 10 of 1,350

Relevance Page Options Share

1. **Apocalyptic Absurdity: Dale Horvath, Raisonneur of The Walking Dead.**



By: WILLIAMS, ANDREW P. Midwest Quarterly. Autumn2016, Vol. 58 Issue 1, p51-68. 18p. , Database: Academic Search Complete
Subjects: Fictitious characters; Television series; Zombies on television; Zombie films; **Walking Dead**, The (TV program)

PDF Full Text (6.4MB)

2. **Step-Detection and Adaptive Step-Length Estimation for Pedestrian Dead-Reckoning at Various Walking Speeds Using a Smartphone.**

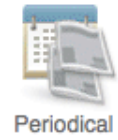


By: Ngoc-Huynh Ho; Phuc Huu Truong; Gu-Min Jeong. Sensors (14248220). Sep2016, Vol. 16 Issue 9, p1-13. 13p. DOI: 10.3390/s16091423. , Database: Academic Search Complete

Subjects: **Walking** speed; Smartphones; Speed measurements; Fourier transforms; Adaptive estimation (Statistics)

PDF Full Text (2.1MB)

3. **DEAD AHEAD.**



By: LAPORTE, NICOLE. Fast Company. Sep2015, Issue 198, p92-100. 8p. 2 Color Photographs, 3 Cartoon or Caricatures. , Database: Business Source Complete

Subjects: Skybound LLC; Marvel Worldwide Inc.; Comic books, strips, etc. -- Publishing; Comic book writers; Motion pictures & video games; **Walking Dead**, The (TV program); Kirkman, Robert

HTML Full Text **PDF Full Text** (1.1MB)

- SOUTHERN A**
M
- Integrated**
Details
- Update
- Academic Search Complete
 - American Studies
 - Business Source Complete
 - CINAHL
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 - E-Journals
 - Europe
 - American Studies
 - MLA Database
 - MLA International Bibliography

SMARTPHONES

- Text
- Mail
- Social media
- Calendar
- Google
- oh, and a phone too!



WORK CITED

- <http://www.ed.gov/oii-news/use-technology-teaching-and-learning>
- <https://www2.ed.gov/pubs/EdReformStudies/EdTech/effectsstudents.html>
- <http://occupytheory.org/advantages-and-disadvantages-of-technology-in-education/>
- <http://greengarageblog.org/10-top-advantages-and-disadvantages-of-technology-in-education>