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AT and Learning Strategies

Lunch and Learn
August 15, 2024

Alexandra Bosco, Candice Daiken, & Gillian Goldsmith
Regional Assessment and Resource Centre





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RARC Staff



Alexandra Bosco, PME
Transition Team



Candice Daiken, M.Ed
Transition Team



Gillian Goldsmith, B.Ed
Transition Team



Session Goals



To provide you with different assistive technologies and learning strategies that support all students ability to equitably access and demonstrate learning.

We will focus on AT programs and functions that are **readily accessible**, **easy to use**, and **free/low cost**.



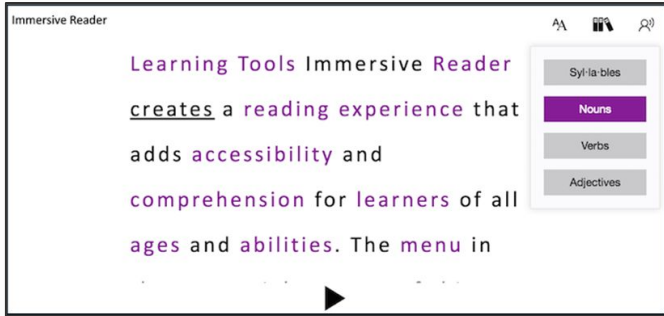


Microsoft Suite

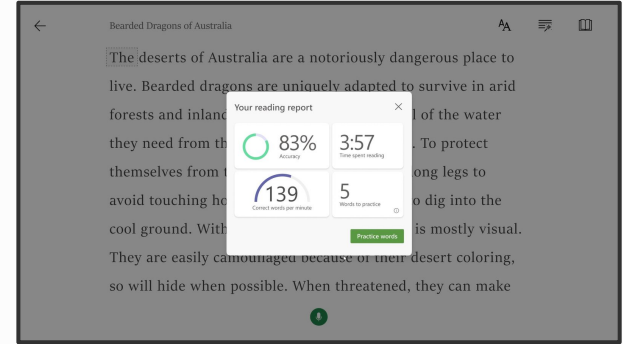
- Read Aloud Command
- Dictation Tool
- Immersive Reader tool
- Screen Masker
- Reading Coach
- Tools available across Microsoft Word, Excel, OneNote, and Powerpoint



GREAT FOR: Spelling and Grammar check, Proofreading/ Editing, Text-to-Speech, Speech-to-Text

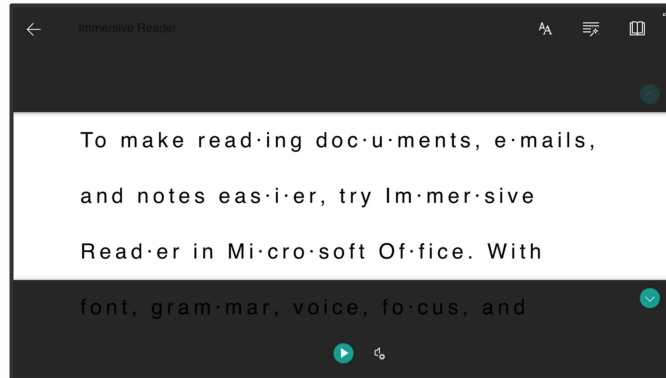


Immersive Reader



Reading Coach

Screen Masker





Intro

Microsoft

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Using AI

Resources

- Digital Binder
- To-Do/Tags
- Audio Recordings
- Math Problems
- Import Files
- Templates

OneNote

The screenshot displays the Microsoft OneNote application window. The title bar reads "Math Class Notebook". The ribbon at the top includes "Home", "Insert", "Draw", and "View". The "Home" ribbon is active, showing options for font (Calibri Light, size 20), bold (B), italic (I), underline (U), and various drawing tools. The left sidebar shows a navigation pane with "Class Notes" selected. The main content area is titled "Pythagorean Theorem" and contains the following text and diagrams:

Pythagorean Theorem
Tuesday, September 15, 2015 2:20PM

$$a^2 + b^2 = c^2$$

Statement: The square of the hypotenuse (the side opposite the right angle) is equal to the sum of the squares of the other two sides.

- Only applies to the right angled triangles.
- Can be used to find the length of the third side of a right angled triangle given the other two sides.

Example from the class:



GREAT FOR: Spell Check,
Text-to-Speech, Speech
-to-Text, Grammar Check,
Calendar

Google Suite

- Similar features to Microsoft suite
- Collaboration with documents
- Documents remain saved after students finish program



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Speech-to-Text

The screenshot shows a Google Docs window titled "2109xx_PCMag". The "Tools" menu is open, listing various options. The "Voice typing" option is highlighted. To the left of the menu, a "Click to speak" button is visible, which is part of the voice typing interface. The document content is partially visible on the right side of the window.

2109xx_PCMag

File Edit View Insert Format Tools Add-ons Help Last edit was 5 minutes ago

Spelling and grammar

Word count ⌘+Shift+C

Review suggested edits Ctrl+⌘O Ctrl+⌘U

Compare documents

Citations

Explore ⌘+Option+Shift+I

Linked objects

Dictionary ⌘+Shift+Y

Translate document

Voice typing ⌘+Shift+S

Script editor

Preferences

Accessibility settings

Click to speak

the microphone.

and pace (see below

phone again or say "

cursor over the micro

menu. It contains inst

you can use.



Calendar

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
6:00 am	sleep	sleep	sleep	sleep	sleep	sleep	sleep	
7:00 am		meditation			meditation			meditation
8:00 am								
9:00 am	meditation	History class	Gym	Finish Chem Lab prep	History class	Prepare for seminar	meditation	
10:00 am		Sociology class			Sociology class			
11:00 am	Laundry		Meeting at writing centre	Readings for History and Sociology	Prep for Geology class	Work on Sociology essay	Gym with Sarah	
12:00 pm	Grocery shopping		Prep for journalism		Geology class			
1:00 pm	Write up Chem lab	Geology class					Review of class notes	
2:00 pm			Journalism	Chem Lab	History Homework	Journalism		
3:00 pm	Ultimate Frisbee	Geology Homework			Review Geology notes	Meet partner to work on chem lab	Job	
4:00 pm								
5:00 pm		Cleaning room	Job	Chemistry readings	Chemistry class			
6:00 pm								
7:00 pm	Prep for History, Sociology and Geology classes	Readings for Journalism					Work on Sociology essay	
8:00 pm						Time with friends	Call parents	
9:00 pm	Call best friend			Time with friends			Relaxation time	
10:00 pm								
11:00 pm								
12:00 am	sleep	sleep	sleep	sleep	sleep			
1:00 am						sleep	sleep	

- Class Schedules
- Assignment/Lab Due Dates
- Test/Exam Dates
- Social Events
- Self-Care (Sleep, Exercise, Meals, Laundry etc.)
- Reminders (Single and/or Reoccurring)



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Resources

Read & Write

- Online reader
- Links with Google Docs
- Useful for research

GREAT FOR: Online Reading,
Vocabulary List,
Simplification, Highlight
Collector, Screen Mask

The screenshot shows a web browser displaying the Wikipedia article for "Olympic Games". The URL is "en.wikipedia.org/wiki/Olympic_Games". A toolbar for "Read&Write for Google" is positioned at the top of the article content, featuring various icons for reading, writing, and navigation. The article text is partially highlighted in yellow. On the right side of the article, there is a sidebar with the title "Olympic Games" and the Olympic rings logo. Below the logo, there are sections for "Main topics" and "Games". The "Main topics" section lists: "Bids - Ceremonies - Charter - Host cities - IFs - IOC - Media - Medal tables - Medals - NOCs - Scandals and controversies - Special medals - Sports - Symbols - Torch relays - Venues". The "Games" section lists: "Summer - Winter", "Summer Deaflympic - Winter Deaflympic", "Summer Paralympic - Winter Paralympic", "Youth - Pan American - Africa - Asian - European", and "Ancient".



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Mind Maps

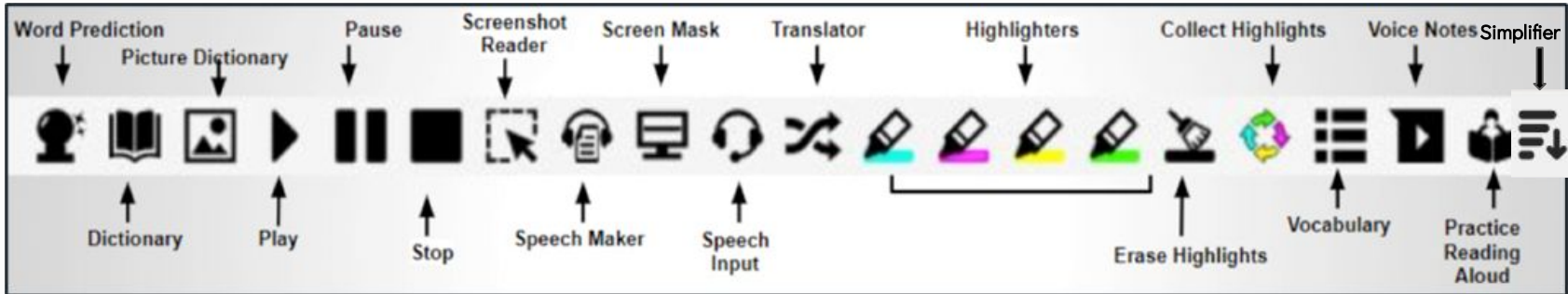
Org/Time

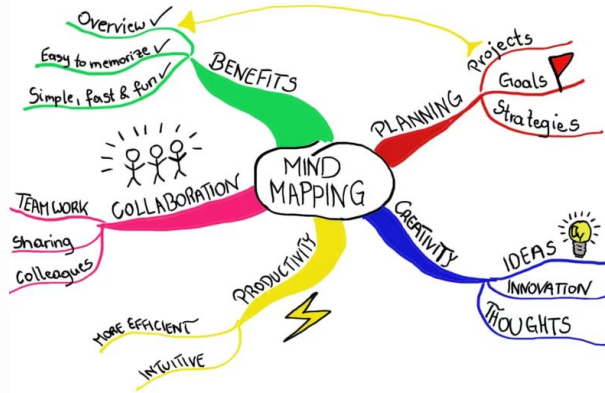
Other AT

Using AI

Resources

Read & Write





Mind Mapping

- Visual method to organize information
- Supports making connections between ideas and concepts

APPS & PROGRAMS:

- Inspiration
- Lucidchart
- Mindomo
- MindUp

GREAT FOR: Rapid fire brainstorming, outlining, inspiring creativity, visual learners, using templates, studying



Inspiration® 10.11 IE - [presentation.isf]

File Edit View Text Symbol Link Effect Tools Utility Window Help

Outline RapidFire Create Link Arrange Note Hyperlink Word Guide Transfer Sync Listen Citation

Symbols

Search Libraries

Basic

plan presentation

Identify requirements

write a report

Start a new project

Personal benefits

Techniques

idea mapping

Mind mapping

concept mapping

brainstorming

Visual Thinking

Uses

Outline ideas / plan

Organise

Innovate

Present

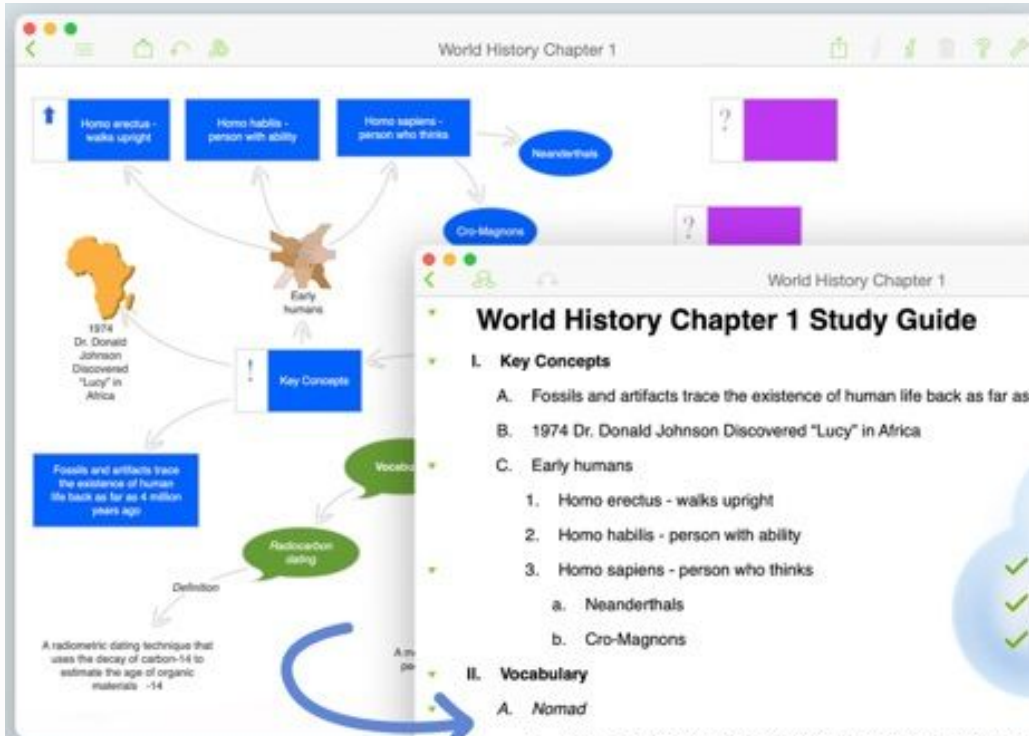
Create goals

clarify thoughts

100%

Open Sans 12

B I U A



World History Chapter 1 Study Guide

I. Key Concepts

- A. Fossils and artifacts trace the existence of human life back as far as 4 million years ago
- B. 1974 Dr. Donald Johnson Discovered "Lucy" in Africa
- C. Early humans
 - 1. Homo erectus - walks upright
 - 2. Homo habilis - person with ability
 - 3. Homo sapiens - person who thinks
 - a. Neanderthals
 - b. Cro-Magnons

II. Vocabulary

- A. Nomad
 - 1. A member of a community of people who move from one loaves to another
- B. Radiocarbon dating
 - 1. A radiometric dating technique that uses the decay of carbon-14 to estimate the age of organic

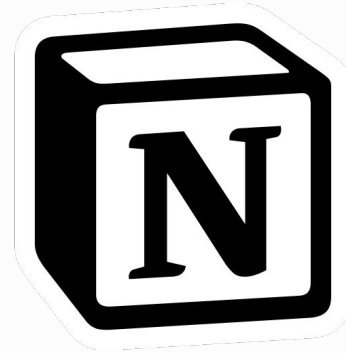




Notion

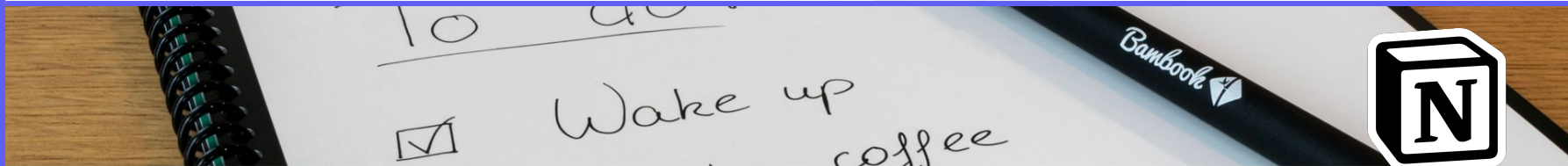
www.notion.so

- A single space where you can think, write, plan and prioritize.
- Enhance productivity and reduce stress
- Seamless use between web, desktop and app versions
- Integrated AI functionality
- Customizable, thousands of free templates



GREAT FOR:

staying organized, managing time, prioritizing tasks, academic planning, taking notes



✓ Advanced To-do List

Elevate your task management with our **Advanced To-Do List**.

Group tasks, view statuses, and track your schedule with calendar views. Assign tasks for seamless collaboration.

Master your tasks, stay organized, and boost productivity—all in one place.

Table Board Calendar

Filter Sort Q

Priority Task Group Status ASSIGNEE + Add filter

Task Group	Task name	ASSIGNEE	Due Date	Priority
School/Study	Submit the English Essay	Christopher Buhendwa	August 31, 2023	Low
Work	Update the project timeline	Christopher Buhendwa	August 29, 2023	High
Personal	Call a friend mom	Christopher Buhendwa	September 8, 2023	Medium
Errands	Grocery shopping for the week	Christopher Buhendwa	September 9, 2023	Low
Finance	Set a budget for the upcoming month	Christopher Buhendwa	September 6, 2023	High



Weekly To-Do List



About

- This template is a weekly to-do list. It provides sections for each day of the week, allowing you to list tasks or activities that need to be completed on each specific day. Simply fill in the tasks under each day and mark them as complete by checking the corresponding checkboxes.
- The template also includes a drag and drop section that works hand in hand with the calendar section.
- ▶ And one more thing...

Monday

- To-do
- To-do
- To-do

Tuesday

- To-do
- To-do
- To-do

Wednesday

- To-do
- To-do
- To-do

Thursday

- To-do
- To-do
- To-do

Friday

- To-do
- To-do
- To-do

Saturday

- To-do
- To-do
- To-do

Sunday

- To-do
- To-do
- To-do



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Academic Planner

COURSES

Courses ▾

COURSE 1

COURSE 2

COURSE 3

COURSE 4

COURSE 5

MASTER CALENDAR

Master Calendar Master Table Lectures Notes 4 more...

August 2023 < Today >

Sun	Mon	Tue	Wed	Thu	Fri	Sat
30	31	Aug 1	2	3	4	5
6	7	8	9	10	11	12

TO DO LIST

- To-do
- To-do
- To-do
- To-do

Add New To-Do

EVENTS


Events




Cornell Note Taking System Template

Cue Column

- List
- List
- List

 As you're taking notes, keep cue column empty. Soon after the meeting, reduce your notes to concise jottings as clues for Reciting, Reviewing, and Reflecting.

Note Taking Area

 Record meeting as fully and as meaningfully as possible.

Action Items for Self

Action Items for Others

Questions



Kyra's Notion
kyratichan@gmail.com

- Quick Find
- All Updates
- Settings & Members

SHARED
▶ Roommate Home

- PRIVATE
- Personal Home
 - Calendar Schedule
 - Weekly Agenda
 - Task List
 - 2022 Job Applications
 - Media List
 - Fall 2021
 - Class Notes & Schedule**
 - Syllabus
 - Appian Internship 2021
 - Journal
 - Archive
 - ECE270 Equation Sheet

Class Notes & Schedule

Use this template to capture notes from all of your classes.
 Check off your notes once you've reviewed them once.
 Notes are automatically dated when you create them.
 Click into an item to add unlimited notes, bookmarks, images, video... even a table of contents.
 Notes are tagged by course title/number!
 Some students prefer name their tags after professors 🤩



↓ Click [See ALL](#) to browse and create other views, including a board organized by course and a simple list 🌟

VMS257 ▾

Properties Filter Sort Search ... New ▾

- Views for Class Notes & Schedule
- See All
 - Calendar Schedule
 - Lecture Notes: List View
 - Lecture Notes By Course
 - ECE356
 - CS316
 - VMS257
 - ARTSVIS381
 - WRITING271
 - Assignments By Course
 - + Add a view

	Class	Type	Dates	Status	
... everyday Things	VMS257	Lecture	September 7, 2021	Complete	
...	VMS257	Lecture	August 31, 2021	Complete	
... d App or Interact	VMS257	Assignment	December 10, 2021	Not Yet Started	
... osal and Wirefra	VMS257	Assignment	November 2, 2021	Not Yet Started	
...	VMS257	Assignment	October 14, 2021	Not Yet Started	
... in Research	VMS257	Assignment	October 7, 2021	Not Yet Started	
... site	VMS257	Assignment	September 30, 2021	Not Yet Started	
... on	VMS257	Assignment	September 23, 2021	Not Yet Started	
... frames, and Mid	VMS257	Assignment	September 16, 2021	In Progress	
... layout to Your Cc	VMS257	Assignment	September 7, 2021	Complete	
Assignment 1: Format an Essay or Article	VMS257	Assignment	September 2, 2021	Complete	

+ New



Notability

<https://notability.com/>

- Simple, powerful, note taking tool
- Record audio that automatically syncs to notes
- Available for iPad, Mac, and iPhone
- **Notability Plus:** Convert handwriting & equations to text, transcribes note audio



GREAT FOR:

Recording lectures, annotating PDFs, taking notes, brainstorming, digital organization

Similar apps: Goodnotes, Evernote



Intro

Microsoft

Google

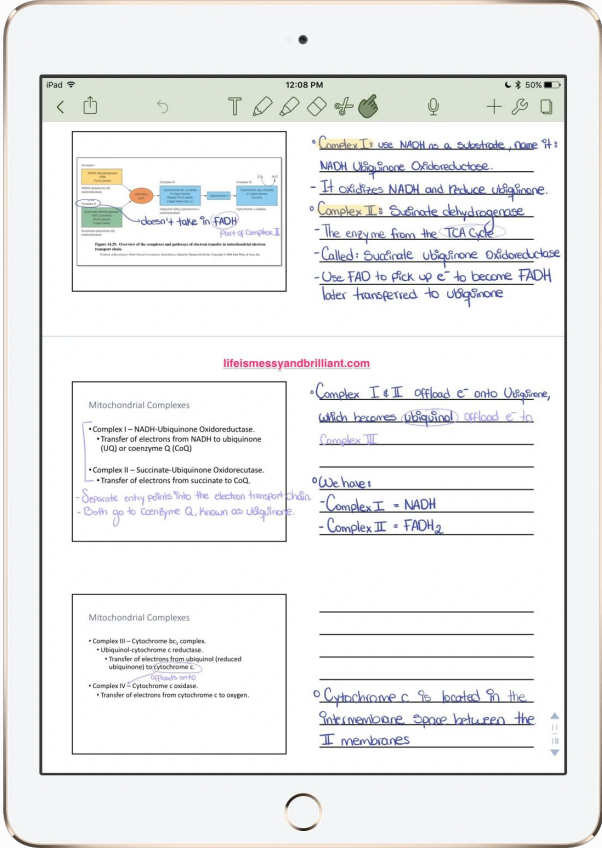
Mind Maps

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7:25 AM Tue Jan 1



Makes NOTES right out your PDF document

each day. The real questions may be how are habits formed and what can we do to change or influence them?

There are plenty of myths related to the formation of new habits. The most popular myth is that it takes 21 days to form a new habit. Unfortunately, it is not that simple.

CC
 Most people believe that habits are formed by completing a task for 21 days in a row. Twenty-one days of task completion, then voila, a habit is formed. Unfortunately, this could not be further from the truth. The 21-day myth began as a misinterpretation of Dr. Maxwell Maltz's work on self-image. Maltz did not find that 21 days of task completion forms a habit. People wanted it to be true so much so, however, that the idea began to grow in popularity. ')

Quote

According to Charles Duhigg, author of the excellent [The Power of Habit: Why We Do What We Do in Life and Business](#), states "individuals and habits are all different, and so the specifics of diagnosing and changing the patterns in our lives differ from person to person and behavior to behavior."

highlight

The Habit Loop

Habits follow a pattern in how they come to be. Duhigg goes into depth about each of these three in his book. I will share a simple explanation below so we have a common understanding.

do research colors



AUDIO PLAYBACK

NOTABILITY HELPFUL TIPS

11:27 AM Thu Apr 28

17.1 Electric Potential Energy and Potential Difference

The electrostatic force is conservative—potential energy can be defined

Change in electric potential energy is negative of work done by electric force:

$$PE_b - PE_a = -qEd \quad (17-1)$$

Handwritten: $W = Fd$ $\Delta KE = -\Delta PE$

© 2014 Pearson Education, Inc.










7:42 AM Tue Feb 8

Edit  


1.1 functions practice

-  All Notes 191
-  Recent Notes 10
-  Unfiled Notes 120


▼ Math

- ▼ Unit 1
 -  1.1 functions practice 2
 -  1.2 real numbers 1

- ▶ Unit2 0
- ▶ Unit 3 0
- ▶ Spanish 0
- ▶ Band 0
- ▶ Bilogogy 0



Functions in the real world
Feb 8, 2022 at 7:42 AM



Functions intro notes
Feb 8, 2022 at 7:41 AM



My Study Life



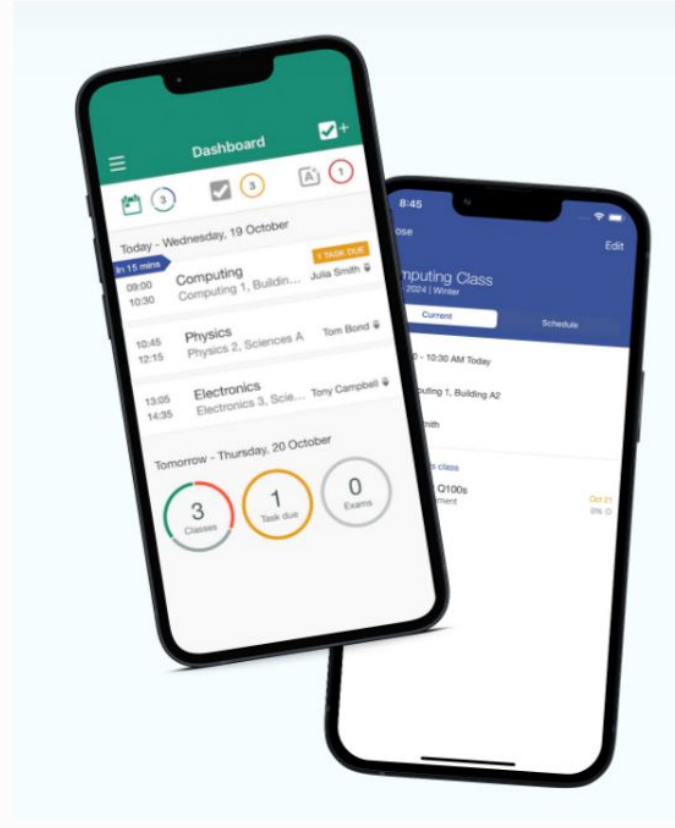
- To help plan, prioritize, and track class times, and locations, assignments, exams, activities, and work completion
- Enhance productivity and reduce stress

GREAT FOR: staying organized, prioritizing tasks, tracking progress, maintaining balance

<https://mystudylife.com/>

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At-a-glance information about where students need to be and when, as well as what they need to be working on, and what's coming!





Grammarly & ProWritingAid

- To help with the whole writing process, from start to finish
- Enhance quality of final product



www.grammarly.com
prowritingaid.com

GREAT FOR: receiving real-time writing and editing support, improving tone and structure of small and large writing pieces



Rewrite



Shorten it



Make it more descriptive



Make it more detailed



Simplify it



Sound professional

Ideas for school



Acknowledge Grammarly gen AI use



Get Grammarly gen AI in-text citation



Make it sound academic

Adjust tone



Make it assertive



Sound confident



Make it constructive



Make it diplomatic

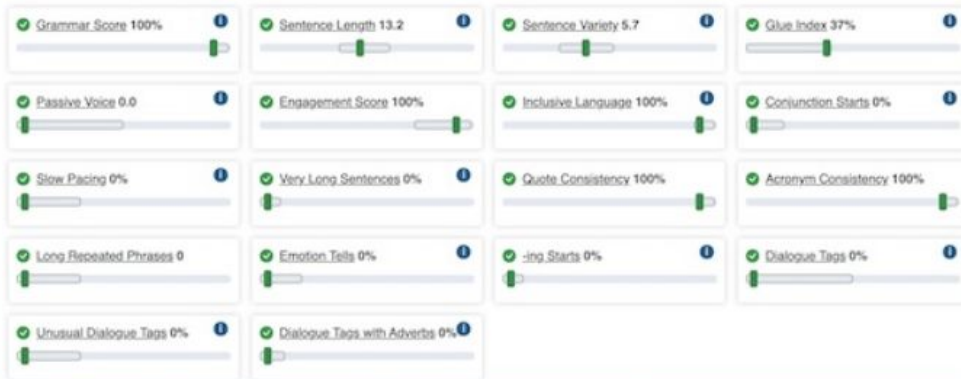
Your key scores

These are the most important scores for your document. Click the goal name to scroll to that section in the report.



Where your document looks great 75% of goals achieved

These are areas where your document looks great. Click the goal name to scroll to that section in the report.



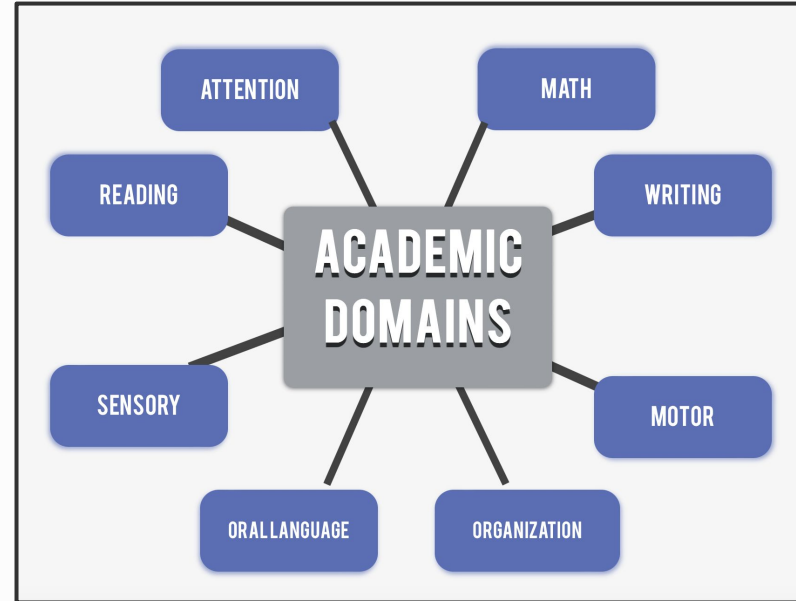


AT Select

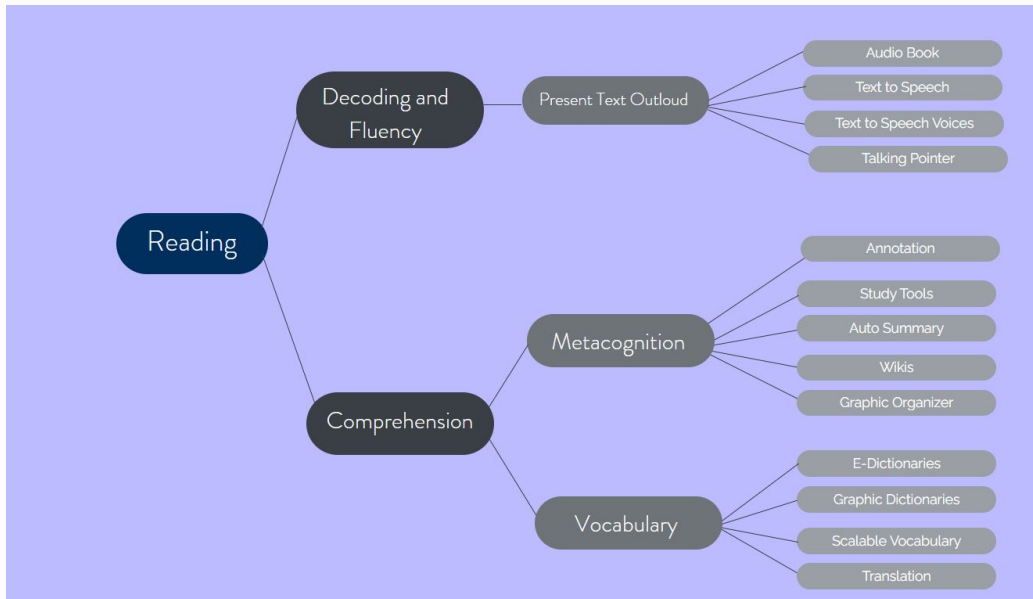
Free tool to help you learn about and select appropriate AT.

GREAT FOR:

Brainstorming/researching tools to support students based on their needs



www.atselect.org



PRODUCT	PRICE	OS COMPATIBILITY	INTERNET RELIANCE	FEATURES	OPTIMIZED USE
Read and Write for Chrome	\$\$\$	Chrome	Yes	Suite of many features and technologies.	Reading documents in Google platforms, including Google Docs and Google Classroom.
Scanning Pens	\$\$\$	Windows, Mac	No	Pocket-sized Reads text aloud in English, Spanish or French	
vBookz	\$	iOS, Mac	No	16 languages, interactive cursor for readers to control generated speech and rate, small size optimized for mobile devices	PDFs on mobile devices
Microsoft OneNote	\$\$, Subscription	Windows, Mac, iOS, Android, Chrome	Yes	High voice quality available. Cloud sharing available.	Reading documents.



CELA

The Centre for Equitable Library Access is an accessible library service, providing books and other materials to people with print disabilities who are living in Canada. Print disabilities are disabilities that make it difficult or impossible to read ordinary printed books, and include visual disabilities, physical disabilities and learning disabilities.



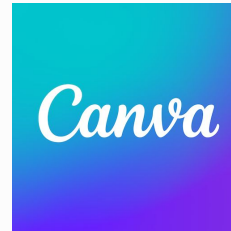
Centre for Equitable Library Access
Centre d'accès équitable aux bibliothèques

GREAT FOR: Free and immediate access to books, newspapers and magazines in formats that people with print disabilities can read, such as audio, digital text and braille.

celalibrary.ca



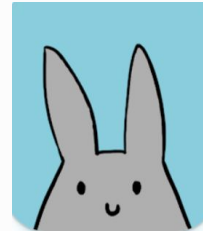
Rapidfire Program Summary



Tide



Forest



Study Bunny
Focus Timer



Finch

Don't forget about Assignment Planner tool!



AI: An Emerging AT Tool

AI will continue to grow as an AT tool. It's only going to get better, faster, and cheaper! We must continue to work on educating students on best practices for use of AI in academics.



We can help improve AI by taking the time to report inaccuracies!



Educate Students on Proper AI Usage



The Good: greater independence, wider access, more choice in AT solutions

The Bad: it doesn't know what it doesn't know - and goes rogue with "hallucinations"

The Ugly: it learns equally from all content - regardless of quality which promotes bias; AI can be misused



Help Students with Proper AI Usage: The KEA Method

- K stands for **Know** enough about AI tools to discuss with student
- E stands for **Enquire** about any AI policies or assignment guidelines from instructor
- A stands for **Advise** student about how to use AI tools ethically and responsibly

www.ailliteracy.institute

KEA METHOD
A GUIDE TO FOSTERING AI LITERACY FOR LEARNING ADVISORS & LIBRARIANS

Know enough about AI tools to discuss with student

Enquire about any AI policies or assignment guidelines from instructor

Advice student about how to use AI tools ethically and responsibly

AI LITERACY INSTITUTE | CC BY | Free to share via Creative Commons license | 2024 v1



Additional Resources

Click the links below to access the supplementary resources mentioned today

Resources

- [AT Summary Table](#)
- [Dictation Guide for iOS](#)
- [Mental Health and Wellness Apps Overview](#)

Tutorials

- [Read&Write](#)
- [Microsoft Suite](#)
- [Microsoft Immersive Reader](#)
- [Google Calendar](#)
- [Inspiration](#)
- [Notion](#)
- [Notability](#)



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Fall Lunch & Learn Series

12pm to 1pm | Join using the same zoom link as these sessions

[To Refer or Not to Refer? That is the Question](#)

Thursday, September 19th | Dr. Beth Pollock & Alison Parker

[All About Non-Verbal and Math LDs: What They Are and How to Support Students](#)

Thursday, October 17th | Dr. Beth Pollock

[Tricky Accommodations Issues](#)

Thursday, November 21st | Dr. Beth Pollock



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Save the date!

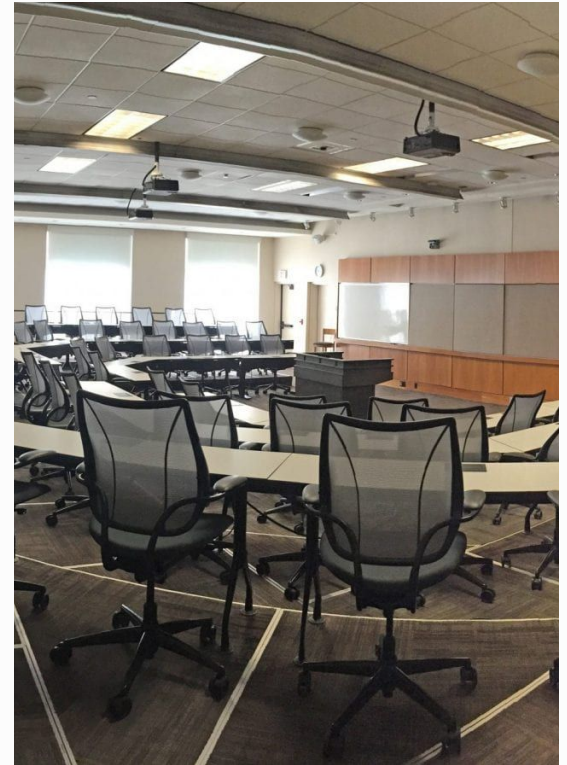
2025 RARC Workshop

Beyond Barriers: Sharing Innovative Insights and Strategies in Post-Secondary Accessibility

When: Thursday, May 8 & Friday, May 9, 2025

Where: Donald Gordon Conference Centre at Queen's University, in Kingston, Ontario

[*Call for proposals due Sept 30th, 2024*](#)





Join Our Mailing List!

Join our RARC contact list to receive information about upcoming professional development and training opportunities.

Scan the QR Code



<https://forms.office.com/r/Q1z6nmakLc>



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Thank You!



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