

Technology to Make
Learning Easier



PATH
Programme for Access
to Higher Education

Click to add text



**Free course/resource
for teachers – aimed at
TY students (applicable
to all)**

Deirdre Madden

JMB EDUCATION CONFERENCE 2022
**DIGITAL TECHNOLOGY
IN EDUCATION**

Possibilities - Practice - Policy

Full Day Event 9.00am – 3.00pm • Wednesday 5th October 2022
The Hogan Suite, Croke Park Conference Centre

Key takeaways.....

Touchtyping



File management



Sharing your wonderful teaching & learning materials online.....



**Total
1,759**

**Students with
Disabilities registered
with UCC Disability
Support 2021/22**



104

**Sensory
Disability**

**Physical
Disability**

Visually
Impaired

Deaf/Hard
of hearing

35

43



**Specific
Learning
Difficulty**

91
**ADHD/
ADD**

Asperger's

166

239

SOI

**Mental
Health
Difficulty**

**Neuro
diff.**

73

303

Dyslexia
Dysgraphia
Dyspraxia
Dyscalculia
Specific
Language &
Communication
Disorder

713



What is the new Digital Strategy for Schools to 2027?

The Department of Education has published a new Digital Strategy for Schools. The purpose of this new Strategy is to ensure that young people in our schools, can benefit as much as possible from digital technologies. It aims to support you to develop a range of digital skills that will help you in school and in your daily life. The Strategy's work will start this year and continue to 2027.

The vision of the new Digital Strategy is that digital technology can help to make education better for all young people in schools across Ireland. The new Strategy aims to support all pupils and students to develop digital skills and benefit from the potential of digital technology, while also staying safe and well when online.

How was the new Digital Strategy for Schools developed?

To develop the new Strategy, the Department of Education held a consultation to listen to the views of many different groups involved in education. This included focus groups held with primary and post-primary students. Children and young people's opinions on how technology can support teaching, learning and assessment, digital wellbeing and online safety and other areas of concern were heard and taken into consideration.

The Department of Education used all of the feedback from this consultation and the learning from the previous Strategy (2015-2020) to design this new Digital Strategy for Schools to 2027.



What does the new Digital Strategy for Schools mean for me and my school?

The strategy has three 'pillars' of work. It will be supported by funding from the Department of Education.



Pillar 1 Supporting the embedding of digital technologies in teaching, learning and assessment

This pillar focuses on ensuring that digital technologies are embedding into teaching, learning and assessment in our schools in a way that helps you to learn. It also aims to support teachers in effectively using technology to support your learning and to support you in developing a range of digital skills



Pillar 2 Digital Technology Infrastructure

This pillar is about the technology itself: the devices that we use, the apps and programmes that help you with your learning and the broadband connectivity in your school. It talks about how to support schools in buying and maintaining digital devices and other technology-related items.

Pillar 3 Looking to the future: policy, research and digital leadership

There are always a lot of new developments in digital technologies, such as new programmes and apps. There are new and faster devices and of course, new opportunities and challenges that arise when you are using the internet and digital technologies. This pillar of the Strategy is about changes in digital technologies in the future. It will help the Department of Education and schools to include technology in the way they work with some other strategies and policies that are important in education.



What happens now?

This will help us to plan for the future of digital technology in schools. This Digital Strategy will be supported by two Implementation Plans. These plans will set out actions that need to happen, so that schools can make the best use of digital technology, to support your learning.

The first Implementation Plan will cover 2022-2024.

The Department of Education will then do a review, to see if the goals set out are being achieved. This will help to plan for the next phase of implementation, from 2025-2027.

As part of this review we will want to hear from you, to learn about how the new Digital Strategy for Schools supports your learning.

You can read the full Strategy online at www.gov.ie.....



OBJECTIVES



Support the transition, integration and retention of students with disabilities in third level.



Build assistive technology competency and adoption in schools.



Enhance supports for students with disabilities in third level.



Support and enhance 'college readiness' for students with disabilities



Collaboration between.....





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- SETU Waterford Campus
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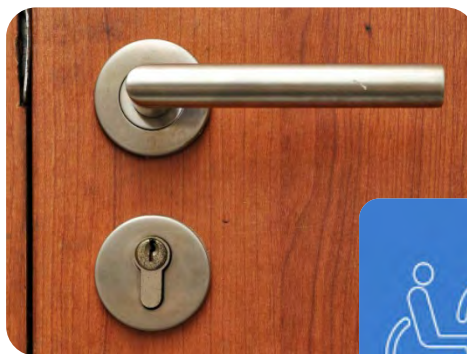
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- UCC
Deirdre Madden

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Technology to make learning easier course/resource

- Free
- Online (on UCC's Canvas VLE)
- **Importantly this course:**
- does NOT mention disability/learning difficulties as these tools are applicable to ALL.
In keeping with principles of **Universal Design for Learning**, if this gets embedded in schools for all, then those students with additional learning needs will be better included and not excluded by our education tools.



Technology to make learning easier course/resource

Importantly this course:

- covers free or built in software
 - on phones/tablets
 - in Office 365
 - in Google
 - free to download

to help make reading , writing and studying easier –
so no cost involved

(one app does cast approx. €10 but only after a free trail of two weeks so a student can see if it is useful for them before they pay for it)



**Free & really
useful!!!**

Welcome to our course



Technology to Make Learning Easier



**Make Reading
Easier**

**Make Writing
Easier**

**Make Studying
Easier**

Let's see how it works



canvas



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Many schools have iPads or Android tablets.



In post primary many students have iPhones/iPads or Android phones/tablets

Free built in features or apps to read text aloud or to type what you say.

iPad/iPhones



Download Now 

FREE iPhone/iPad Apps to read text from hard copy

- Seeing AI
- For iPad/iPhone
- Free!
- Need WIFI to download



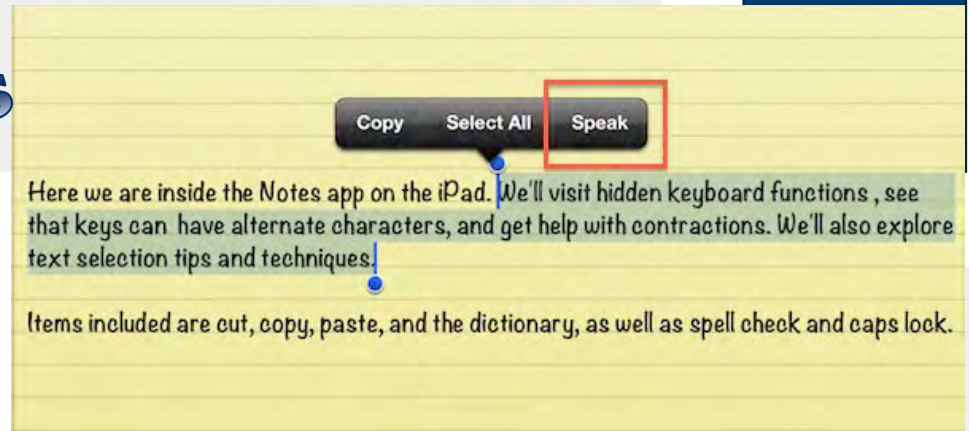
Built in literacy support features



Reads 36
languages

Apple accessibility

- Speak selection – will read chosen text in a natural Irish sounding voice – aids those with literacy difficulties
 - Adjustable speeds



Settings
(General)
Accessibility
Look for SPEECH or
SPOKEN CONTENT



Using Speak Screen



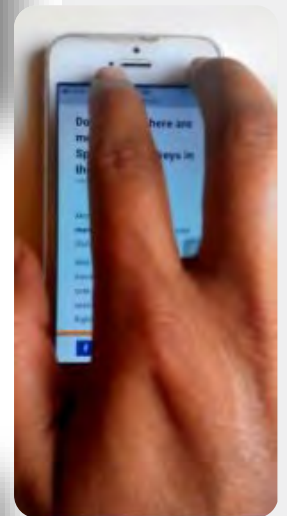
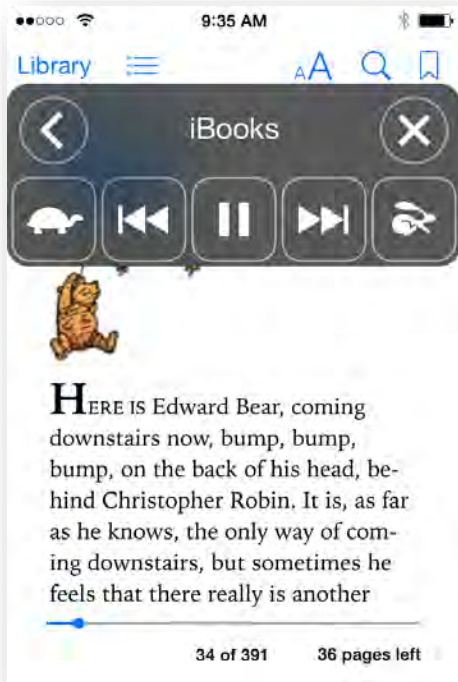
Settings
(General)
Accessibility
Look for SPEECH or
SPOKEN CONTENT

Speak Screen



Swipe down with two fingers from the top of the screen to hear the content of the screen.

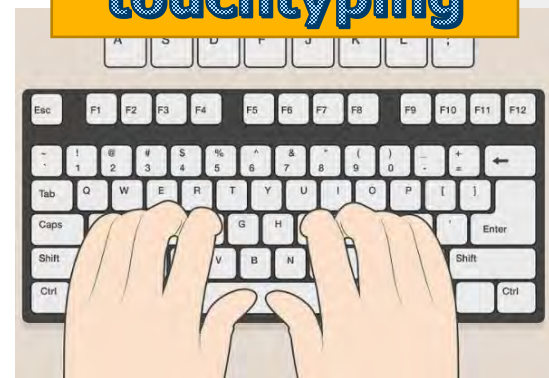
- Turn on SPEAK SCREEN
- Find content you want read aloud
- Two finger swipe from top of screen



Dictate on your iPad/iPhone - helping with your written work



**Remember
touchtyping**



Android phones/tablets



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Android phones

Claro ScanPen



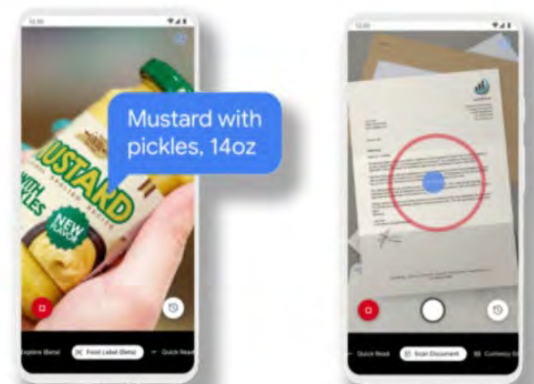
- ClaroScanPen
- For Android device
- Free for 2 weeks
- € 10



LookOut



- Free
- Needs to have 2GB RAM and be an Android 6 + phone tablet
- Will read text aloud when you point the camera of your phone/tablet at hard copy of text



Built in literacy support features



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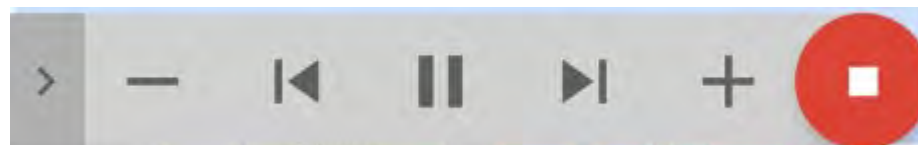
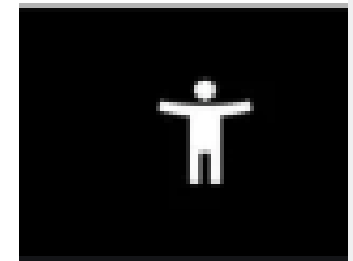
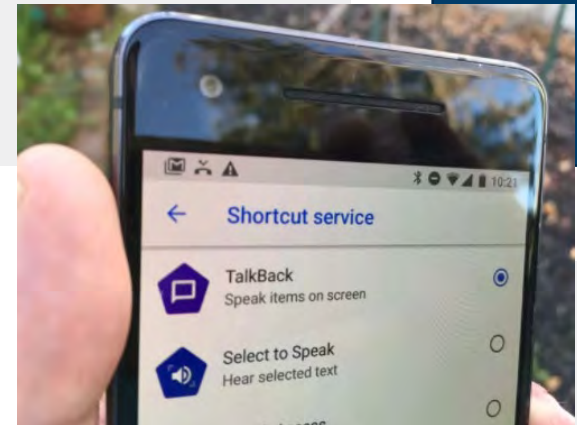
Android phones/tablets

- Settings
 - Accessibility
 - SERVICES



- If none are installed then install the free ANDROID ACCESSIBILITY SUITE

- Select to Speak



Live Transcribe free on android devices

With Live Transcribe, you can see words appear on your phone as they're spoken.



**Remember
touchtyping**



Many schools use Office 365

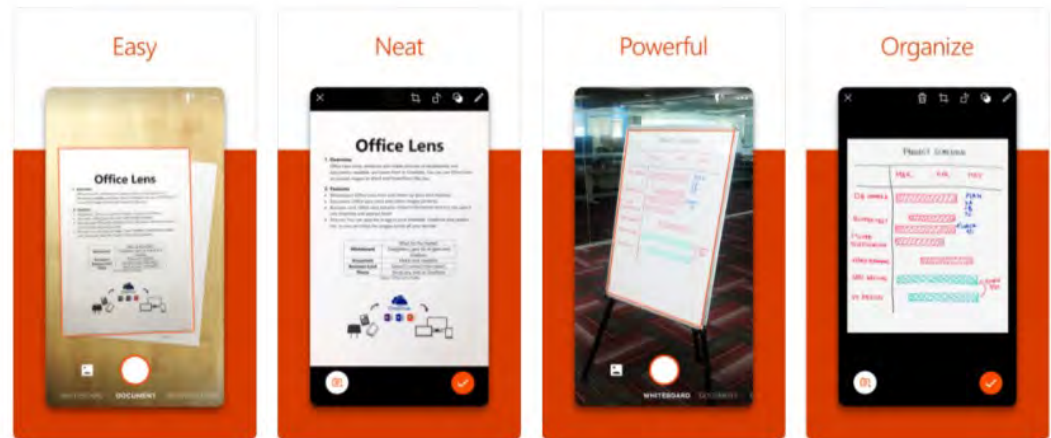


Many individual students have O365

Access your O365 account on any device with internet access.

Has superb built in literacy support tools.

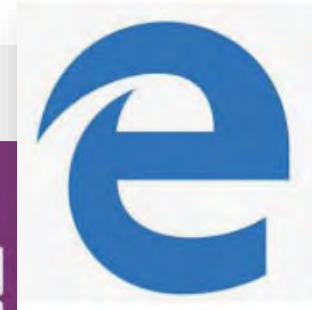
Office Lens



- trims, enhances, and makes pictures of whiteboards and documents readable.
- convert images to PDF, Word and PowerPoint files
- save to OneNote, OneDrive, or your local device.
- You can even import images that are already on your device using Gallery.



Immersive Reader



Immersive Reader

Microsoft Immersive Reader is a free tool that implements proven techniques to improve reading and writing for people regardless of their age or ability.

Improves reading comprehension

- Increases fluency for readers learning a new language
- Helps build confidence for emerging readers learning to read at higher levels
- Offers text decoding solutions for readers with learning differences such as dyslexia

Immersive Reader also powers Grammar Tools and Dictionary for Microsoft Edge.



Office 365



- You speak to the computer
- It types what you say
- Then go to Immersive Reader and
 - have your work read back to you
 - to “proof listen/read” your work
 - spot/hear mistakes or areas you want to improve
 - and develop your written work



Dictate



**Remember
touchtyping**



Using Immersive Reader



Immersive
Reader

1. Log in on your device
2. Open Word
3. Click on VIEW
4. Click on Immersive Reader
5. Click on play
 - Adjust speed & voice
6. Try out the tools:
 - Text preferences
 - Grammar options
 - Reading preferences



Adjust:

- Text size
- Spacing
- Font
- Colour scheme

Grammar

- Break words into syllables
- Highlight nouns, verbs, adjectives or adverbs in choose colours

Reading:

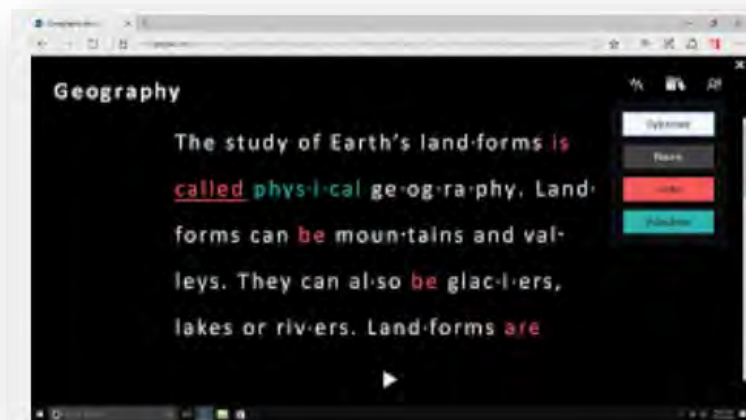
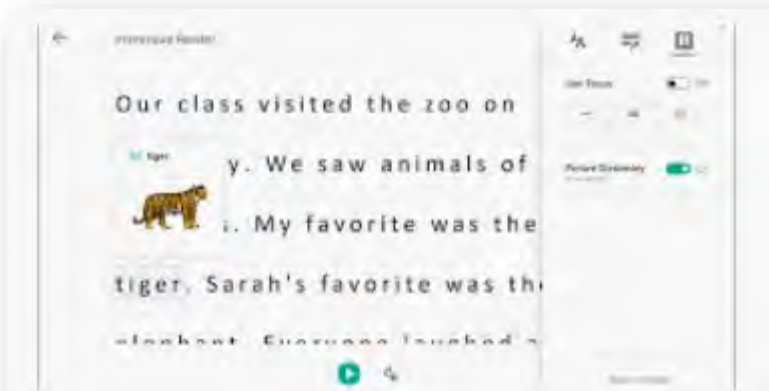
- Use line focus
- Use picture dictionary
- Use translation:
 - By single word
 - By whole document
- Have it read aloud

Customise Immersive Reader to suit that user

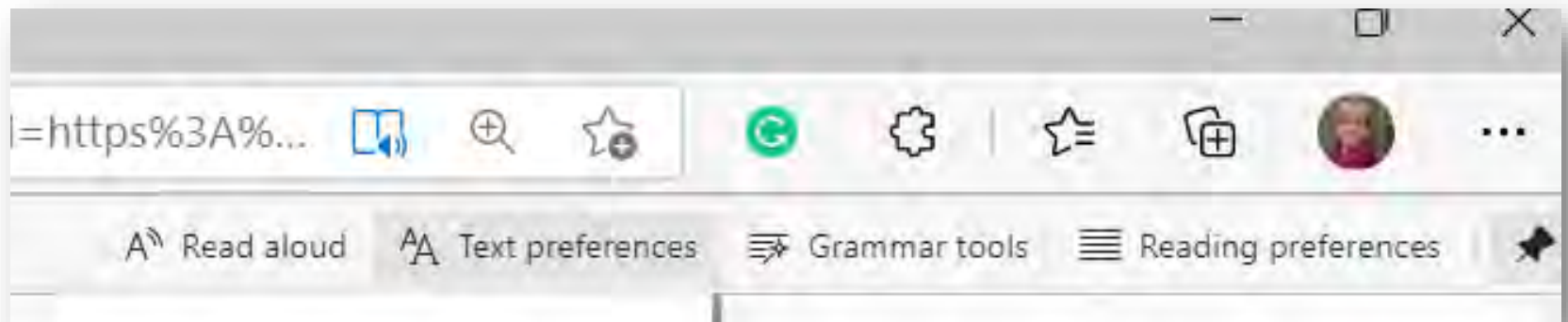
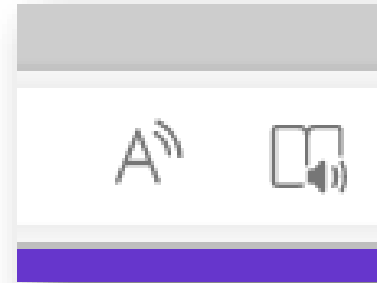


Immersive
Reader

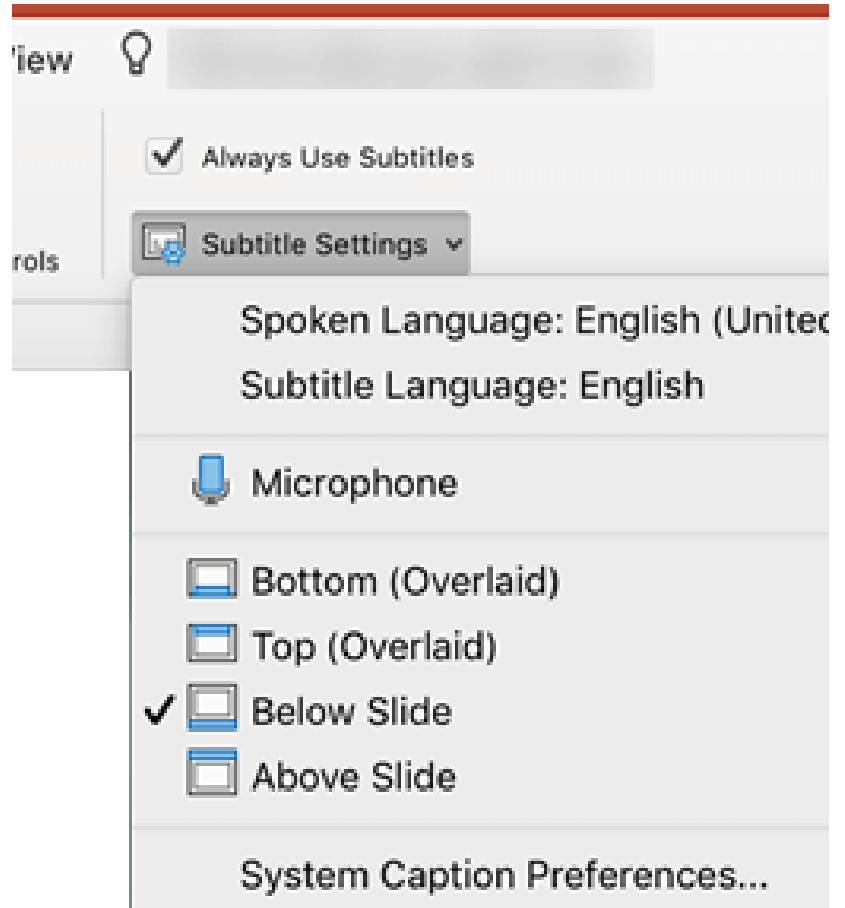
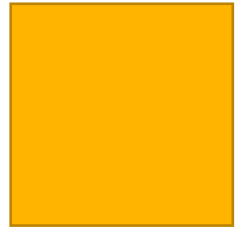
- Gradually each user will find the settings that suit them individually
- Whenever & where ever that user logs onto their Office 365 account it will remember their preferred settings



Immersive Reader in Edge



Use subtitles in PowerPoint in Office 365



Many schools use Google

Google Workspace



Free!!!!

Google



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Speechify



**Free
extension
for
Chrome.
Listen to
text on any
website.**



Take control

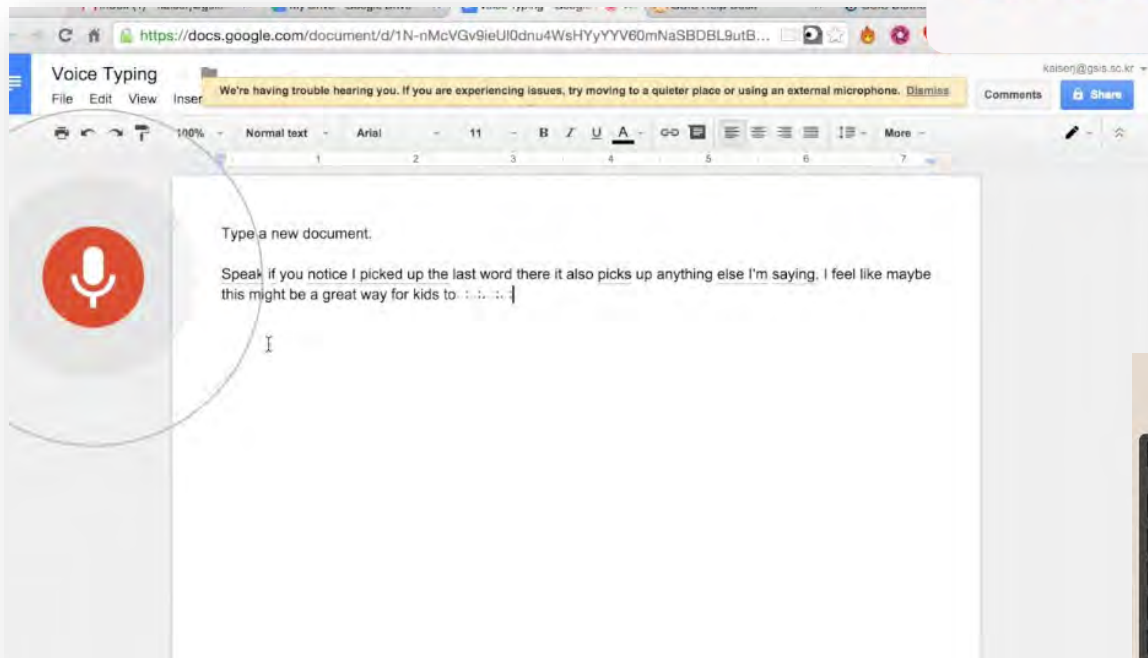
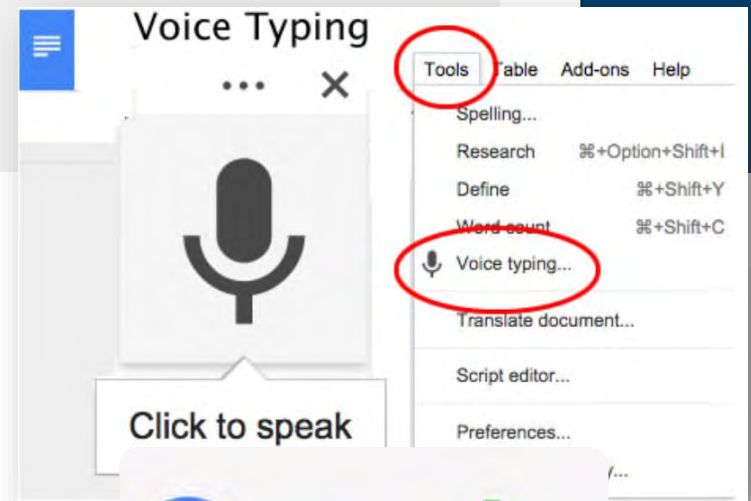
Pause, skip, or change the speed anytime you want. Have full control over your readings.

- mobile and desktop app to have any text read out using a computer generated text to speech voice



Voice Typing

- FREE
- In Google Doc under TOOLS
- Need to be online
- Worth a go
- Video to show



Remember touchtyping



Software that is free to download

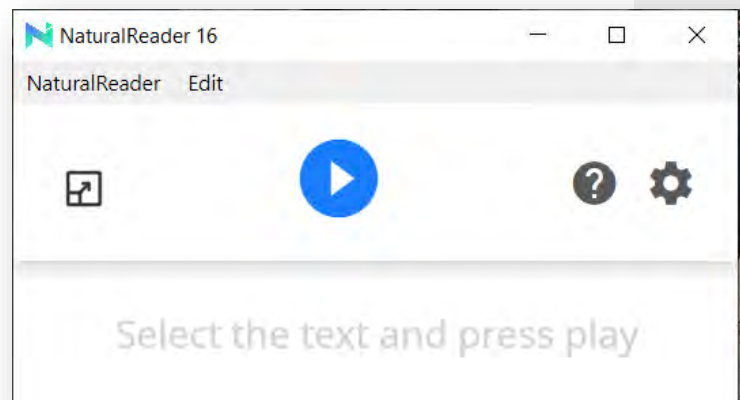


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FREE Natural Reader

Natural reader is a FREE text to speech program



Select any text on the screen you want to have read and click play

The software is free to download from this site

<http://www.naturalreaders.com/download.php>

And this brief demo gives you an idea of what it does

<http://www.naturalreaders.com/howto.php>





Assistive Technology
for Irish

Teicneolaíocht
Chúnta

A TRADITION OF
INDEPENDENT
THINKING



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NVDA



- A FREE screen reader
- Download from abair.ie
- Download a Munster Irish voice synthesiser “Dingle Pen” - NVDA Addon
- follow instruction on website to start NVDA and selecting the Irish voice

Welcome to abair.ie – The Irish Language Synthesiser

Turn Written Text into Speech!

Gweedore

Gweedore HTS

Connemara

Connemara HTS

Dingle Pen. HTS

Info

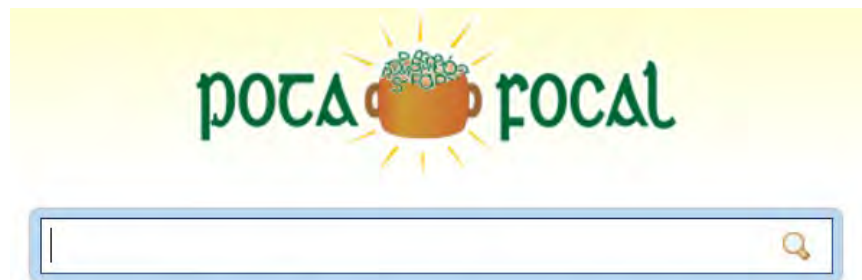
- <http://www.abair.tcd.ie/nvda/download.html>

Useful sites

- <http://www.scriobh.ie/>

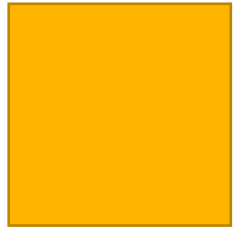


- <http://www.getthefocal.com/>
- <http://www.potafofocal.com/>
- Duolingo



Scríobh focal Gaeilge nó Béarla. Type a word in Irish or English.

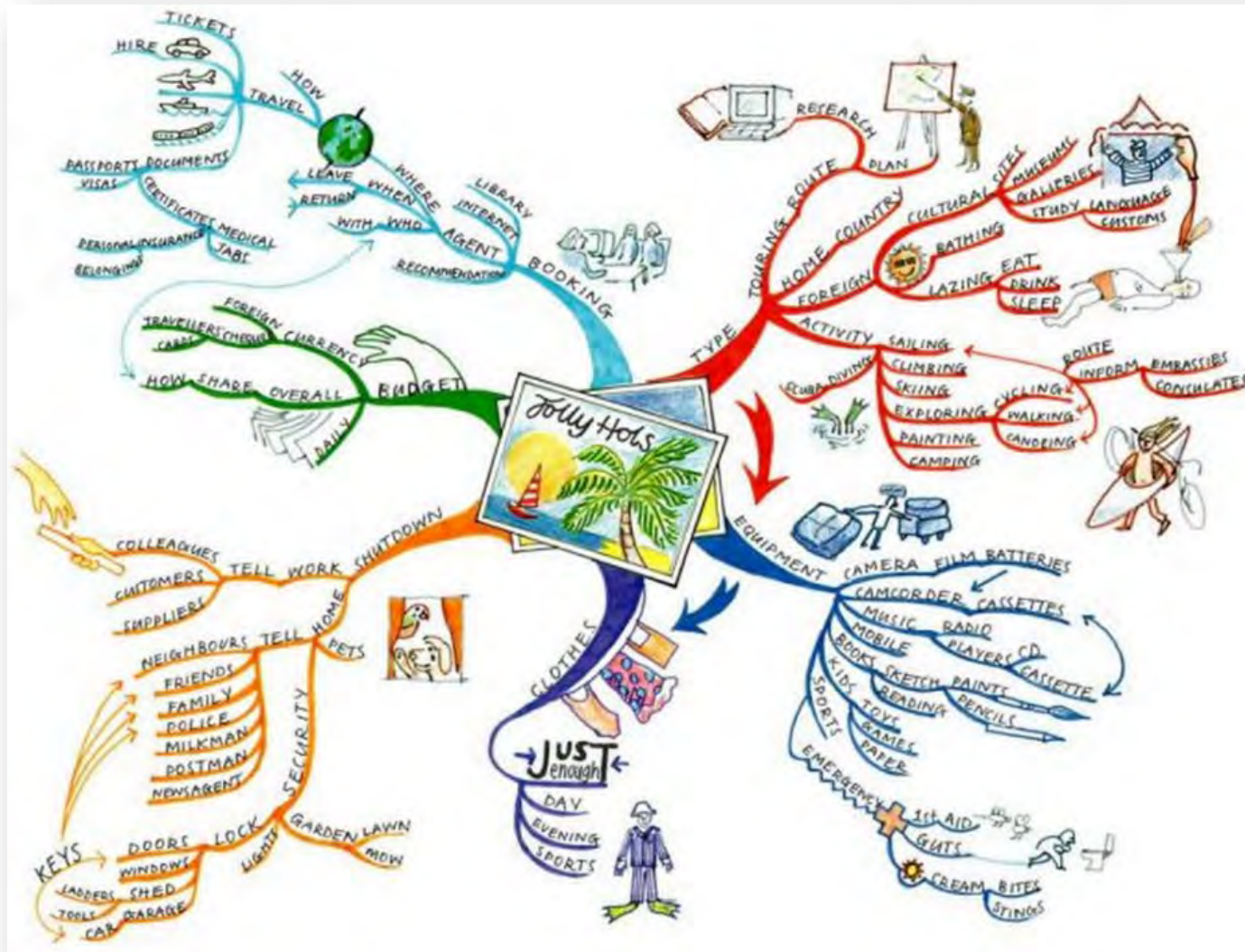
Balabolka



- Will convert text to a sound file
- Listen to your
 - Definitions
 - Poetry
 - Case studies
- Listen on your phone
- Listen and learn on the go



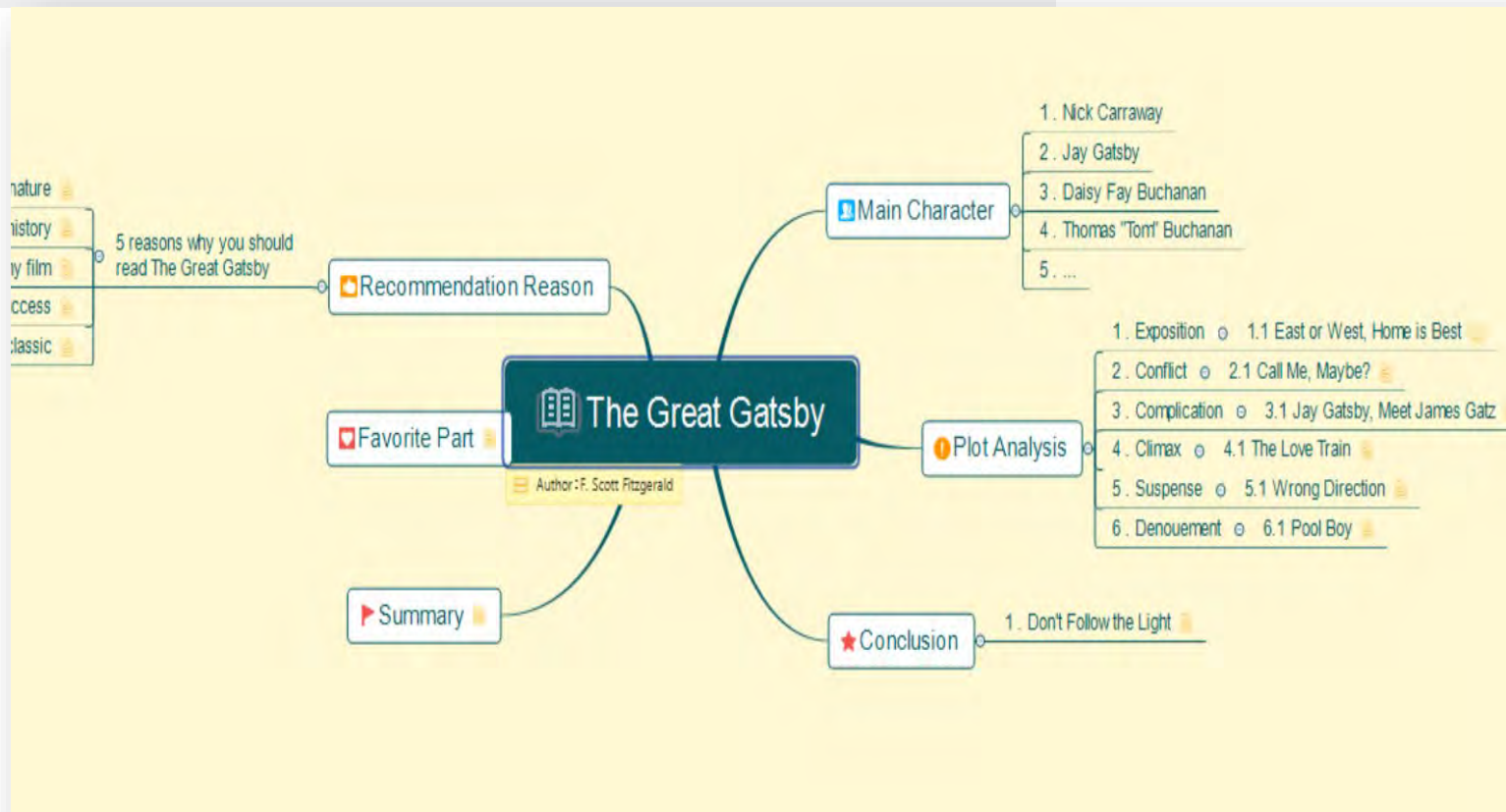
Mind mapping



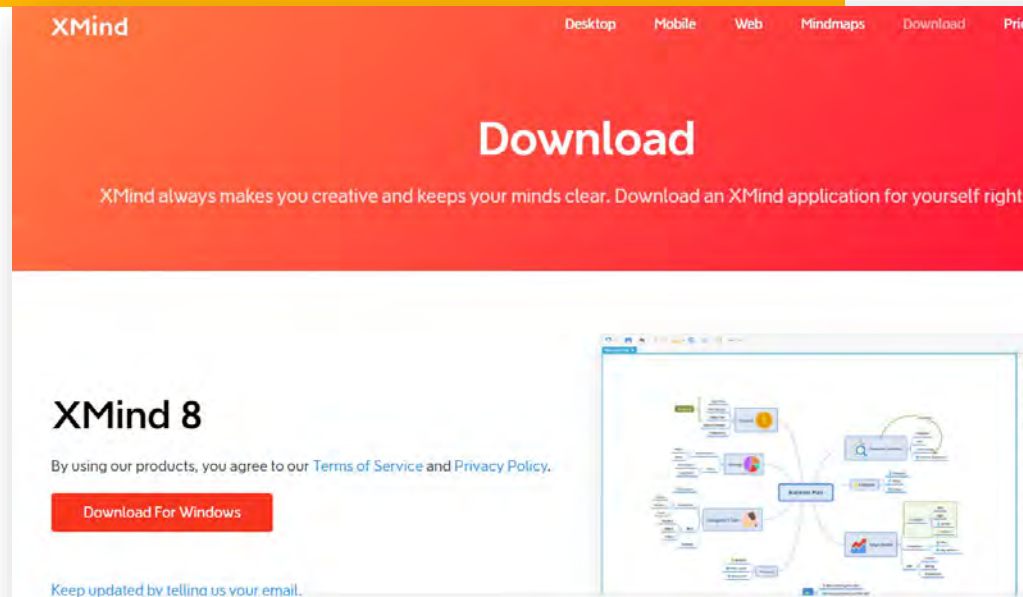
Free mind mapping Great to help organise, plan and structure written work



XMind




Xmind 8 ON A Windows device




<https://www.xmind.net/download/xmind8/>

Mind map gallery


XMind Desktop Mobile Web **Mindmaps** Download Pricing 

Mindmap Gallery


Q Search English ▾



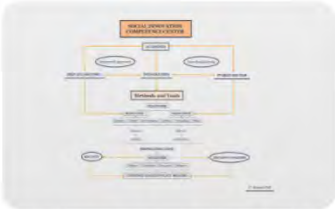
Product Development Timeline




Types of Exercise




5 Steps to Craft a Great Villain with...



Social Innovation Competence center



note taking 1



Generate ideas 1



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<https://www.xmind.net/share/>

Let's find all those tools on the TMLE course



Click here to learn how to get your phone to read notes to you, to get the computer to read aloud to you in Irish, French, German & other languages and to make sound files of text to listen to learn /revise anywhere, anytime.



Click here to learn how to get your phone /computer to type what you say & to use mind maps to plan/structure your written work to speed up and improve your homework.



Click here to learn to use mind maps to study & make excellent revision notes with images, video & sound files. You can then study on your phone anywhere, anytime.

To get the most of all these great, free learning tools it's important to:

- develop your basic IT skills.
- have teachers share their excellent learning materials digitally.



Click here to explore the range of IT skills needed for life and to make the most out of our technology to make learning easier.

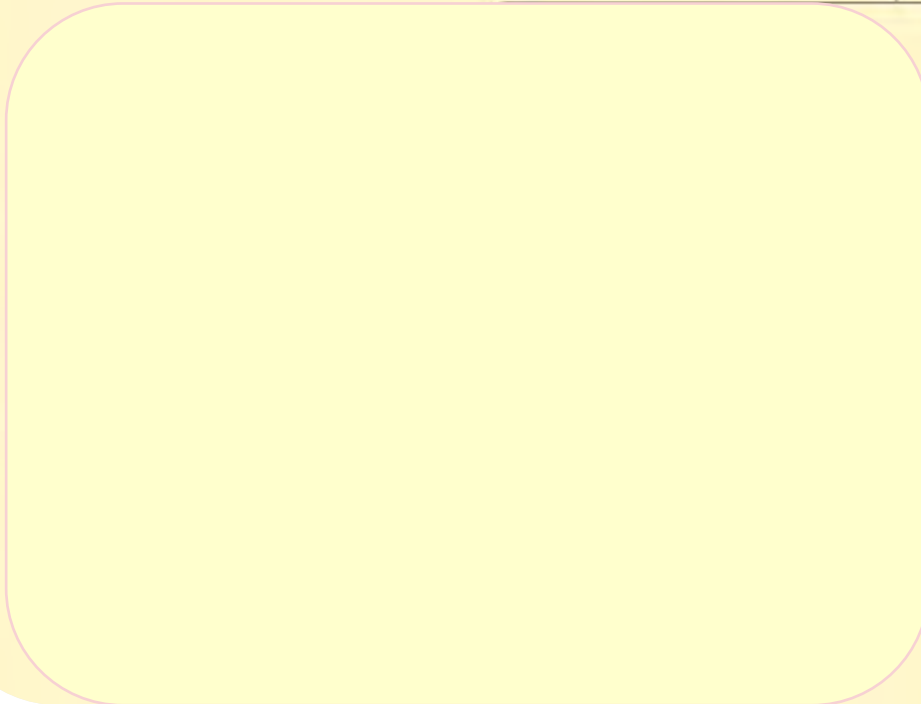
This is not exciting material but it is important!

You may need to come back to this section again as you work your way through the tools for reading, writing & studying.



Teachers create and source some excellent notes, teaching & learning materials for their students. Sharing them with students digitally allows students to access those notes using their phones/computers and other technology to make learning easier. Click here to explore some options for teachers to use.

**To make good
use of
these tools**

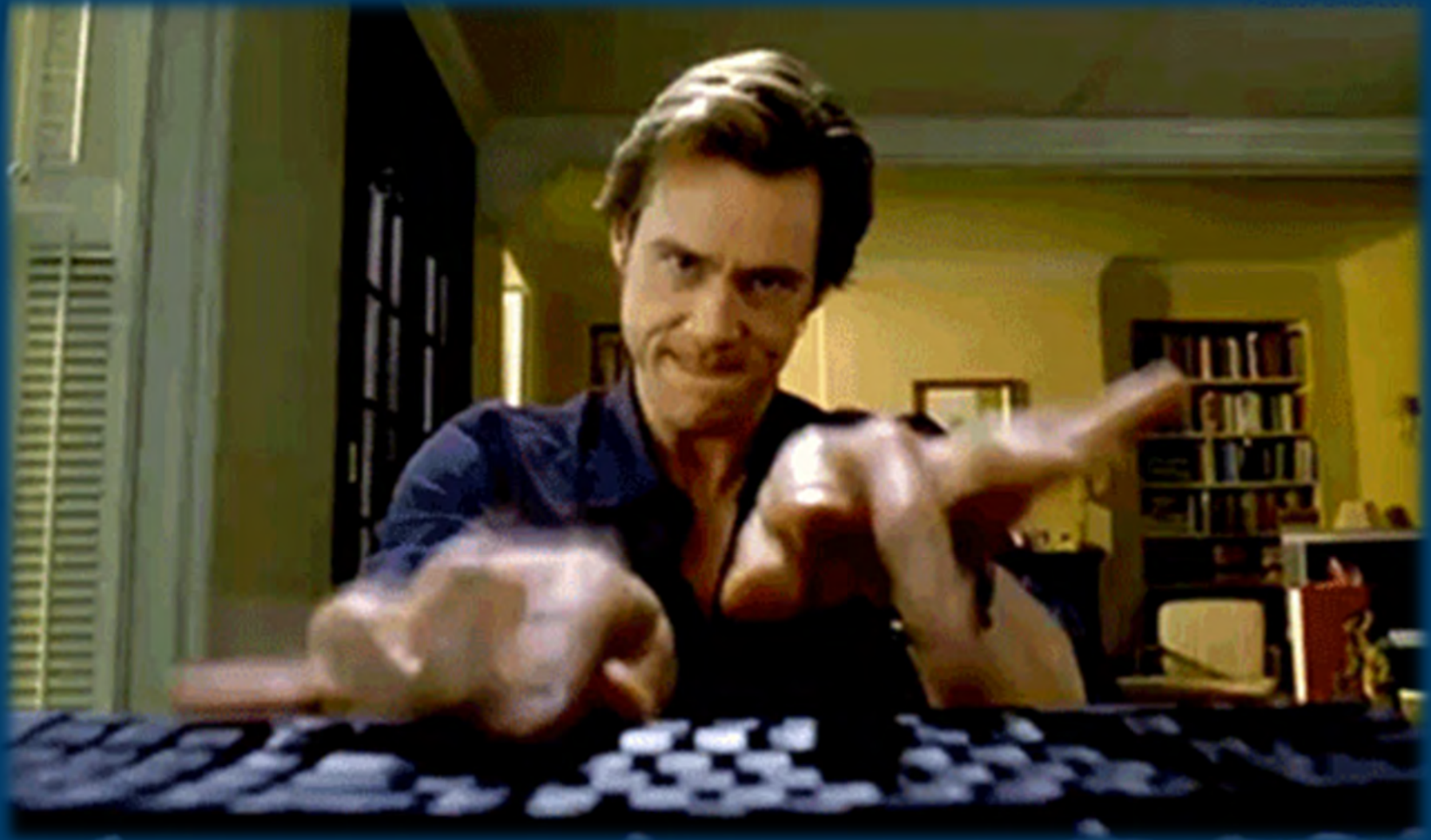


Basic IT skills

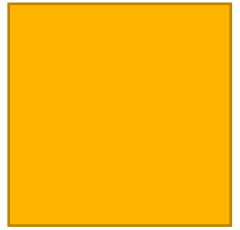
- Basic mouse skills
- Keyboard skills
 - Touch-typing essential!
- Basic file management skills
 - Saving files
 - Naming them appropriately
 - Knowing where they are saved
 - Save your work ONLINE or BACK UP YOUR WORK
- E-mail
- Navigating the net.



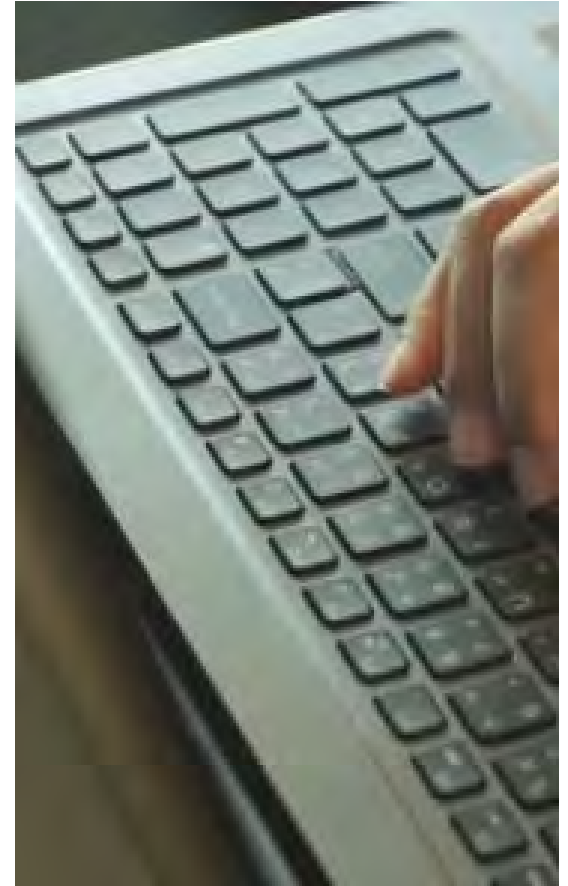
Touch Typing



What is touchtyping?



type using **all**
your fingers and
without
looking at the
keys.



Why learn touch-typing?

- Speed & accuracy

- Homework/assignments/email & exams - all done quicker and more accurately
- Computers are being used more in all aspects of life – a life skill
- Allows you to focus on content of work not on action of typing
- Support of spelling/grammar checkers
- Have work read back for proof reading/listening
- Physically easier for many students
- LEGIBILITY !!!!!

- Health

- Repetitive strain injury (RSI)

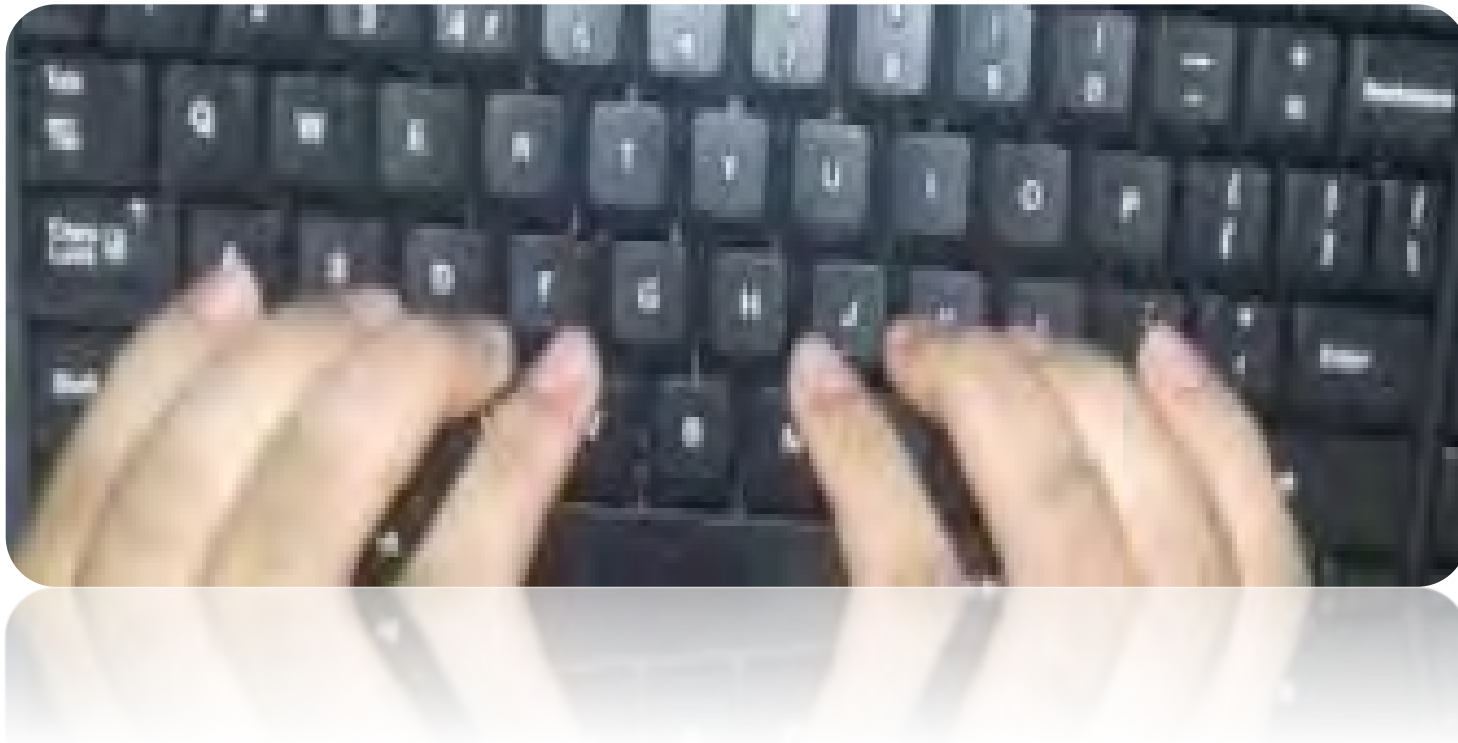


Hand position for home row
ALWAYS return to home row

**Feel the raised bumps on the F
and the J keys?**




Correct position for hands in the HOME ROW position



- Then cover the hands
 - Kitchen roll/tea towel/ cardboard box etc

Practicing home row typing

Nice




Typing Tutorial | Regular Keyboard | Lesson 1

WPM: 0

Exit

ffjjf fjfjff jf fffj fjfjjf jfj jfjffff jfjf fjffff



My Results

WPM	0
Time	0:18
✓	0
✗	0
SUCCESS Rate	
Settings	
PAUSE	

Hints about the correct hand & finger to use will appear on screen...



Online touch typing

http--eduapps Suggested Sites Web Slice Gallery

Typing Tutorial | Regular Keyboard | Lesson 1 WPM: 0 Exit

ffjjf fjjfj f jf fffj fjfjjf jfj jfjfff jfjf fjfff

~ ! @ # \$ % ^ & * () _ + = | \

Q W E R T Y U I O P [{] }

A S D F G H J K L ; ' " , . / ?

Shift Z X C V B N M < > , . / ? Shift

Enter


My Results

WPM	0
Time	1:34
✓	10
✗	4
SUCCESS Rate	60%
Settings	
PAUSE	

R

EN 02:44 28/04/2012


<http://www.typing.com/>



Typing.com
A teaching.com Product

Student Login Teacher Login

HOME TEACHER PORTAL TYPING TUTOR SUPPORT BLOG



Learn to Type Free

Typing.com is a free online **typing tutor & keyboarding tutorial** for typists of all skill levels. Typing.com includes entertaining typing games, typing tests, and free official typing certification.

- ✓ Completely Free
- ✓ Perfect for All Ages
- ✓ Lessons for All Skill Levels

[Start Typing »](#) [Teachers Start Here »](#)

No account? [Sign Up Free »](#)

Join over 12 Million Students & 200,000 Teachers

Teach Typing in Your School or Home



Teacher Portal

Typing.com's Teacher Portal provides all the necessary tools to report on, grade, and manage your students.



Proven Curriculum

Improve typing skills and prepare your students for Common Core with our comprehensive, proven curriculum.



Absolutely Free

Save your school loads of money! Typing.com is, and always will be, free. Unlimited students, unlimited classes, unlimited teachers.

Typing Blog

TypingWeb.com is now Typing.com!

We are excited to announce we've officially changed our name to Typing.com! As the worldwide leader in teaching typing, what better name could we have?

Posted 28 days ago

We Are Changing Our Name!

It is an exciting time for the Typing.com team. We recently acquired the domain name "typing.com"!

Free Touchtyping OFFline

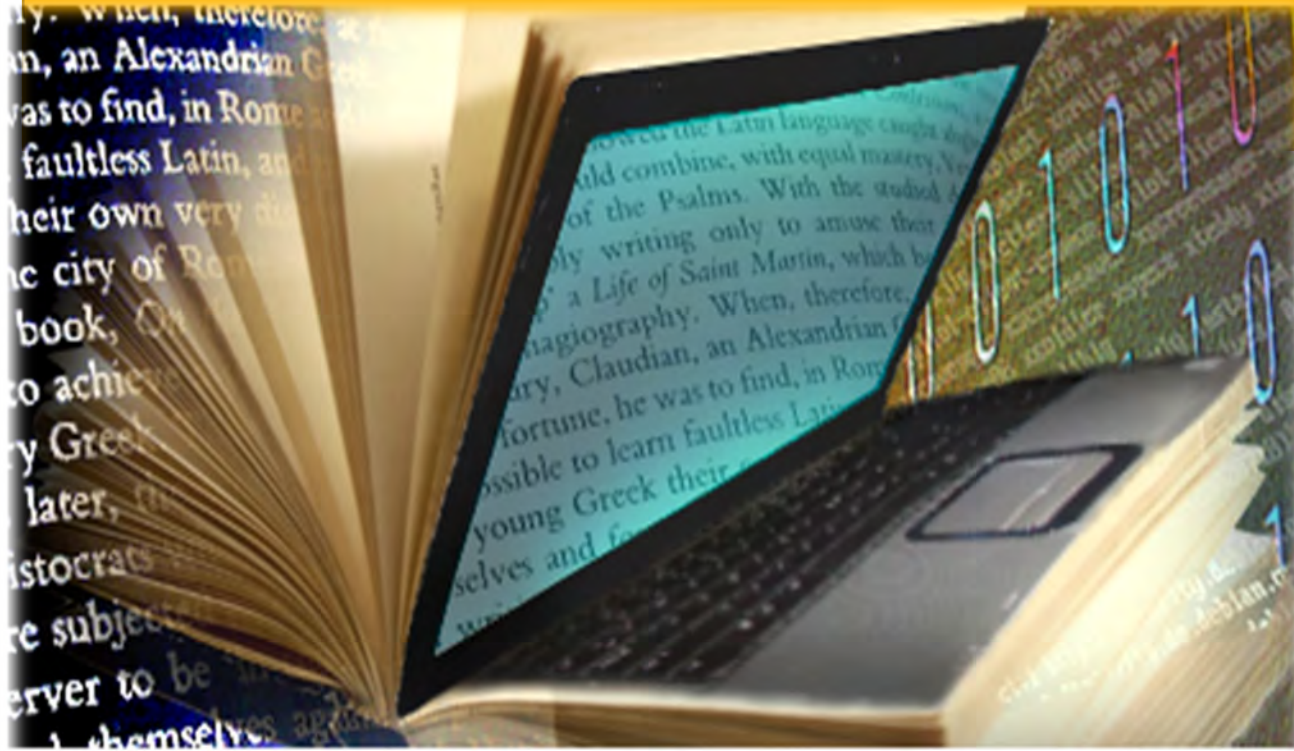


File management

- Basic file management skills
 - Saving files
 - Naming them appropriately
 - Knowing where they are saved
 - BACK UP YOUR WORK!!!!
 - Online storage is most secure



Making our teaching & learning materials accessible for use with these tools



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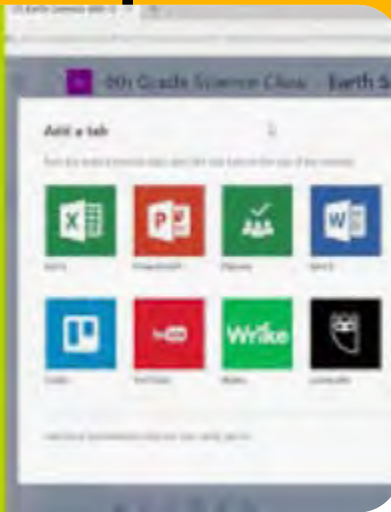
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Lots of options...

MICROSOFT
TEAMS:

CLASSES

Microsoft Education



Google Classroom



edmodo



ONENOTE
CLASS
NOTEBOOK

A DIGITAL BINDER THAT
WILL CHANGE THE WAY
YOU TEACH



Share on your
school website?



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Thinking about learning materials in different ways

Present information and content in different ways



Note taking? Consider



- ask teachers who use electronic teaching materials to perhaps put those notes and learning materials up on the school website or on Google Classroom, One Drive or - see what the school might be using.

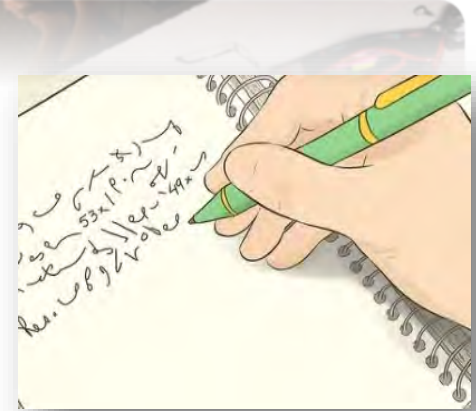


SAME
TEACHER



DIFFERENT
TOOLS

Please **CONTINUE** to share your teaching & learning materials with students online **AFTER** the lockdown?



- Frantically taking notes from the board is a huge challenge many students.
- Uses up valuable time to learn, take in, process new information, ask questions and contribute in class
- Sharing your notes online ensure ALL students have good quality, legible, **ACCESSIBLE** notes.



Let's find all those tools on the TMLE course



Click here to learn how to get your phone to read notes to you, to get the computer to read aloud to you in Irish, French, German & other languages and to make sound files of text to listen to learn /revise anywhere, anytime.



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- develop your basic IT skills.
- have teachers share their excellent learning materials digitally.



Click here to explore the range of IT skills needed for life and to make the most out of our technology to make learning easier.

This is not exciting material but it is important!

You may need to come back to this section again as you work your way through the tools for reading, writing & studying.



Teachers create and source some excellent notes, teaching & learning materials for their students. Sharing them with students digitally allows students to access those notes using their phones/computers and other technology to make learning easier. Click here to explore some options for teachers to use.

Two x two hour training sessions on the Tech to Make Learning Easier resource via the Cork Education Support Centre



CESC

Ionad Oideachas Tacaíochta Chorcaí
Cork Education Support Centre



UCC

University College Cork, Ireland
Coláiste na hOllscoile Corcaigh

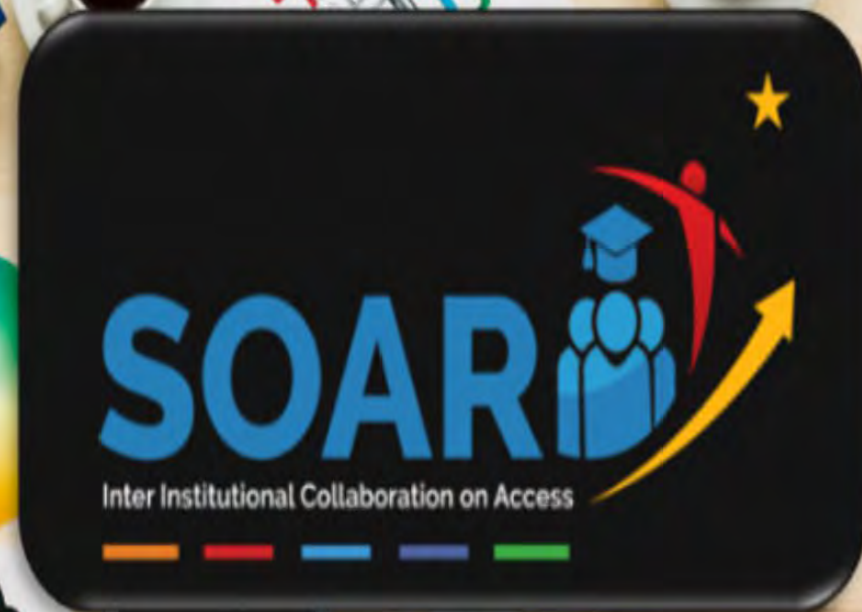
Applicable to many learners..



**Relevant to
students with
a wide range
of needs.**

Technology to Make Learning Easier

Aligning with the governments Digital Learning Framework this programme aims to guide teachers through various technologies that aid learning. Starting with a basic IT Skills review.



- Sincere thanks to the PATH SOAR project for funding

Click here for more information:

<https://www.soarforaccess.ie/>



Included in Nurturing Bright Futures



Any questions?



Click here to learn how to get your phone to read notes to you, to get the computer to read aloud to you in Irish, French, German & other languages and to make sound files of text to listen to learn /revise anywhere, anytime.



Click here to learn how to get your phone /computer to type what you say & to use mind maps to plan/structure your written work to speed up and improve your homework.



Click here to learn to use mind maps to study & make excellent revision notes with images, video & sound files. You can then study on your phone anywhere, anytime.

To get the most of all these great, free learning tools it's important to:

- develop your basic IT skills.
- have teachers share their excellent learning materials digitally.



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