



The Internet for Beginners



City of Bayswater

Making Sense of the Internet



- What is the Internet?
- What is the World Wide Web?
- How do you access the Internet?
- What can you do with the Internet?
- Are there any rules?

There is no single authority or set of laws (try searching for them)

<http://internetsociety.org/>

https://youtu.be/VBK_a9Ay8ebs

<https://youtu.be/J8hzJxb0rpc>

<https://beconnected.esafety.gov.au/topic-library/essentials/the-absolute-basics/what-is-the-internet>

What is the Internet?

Interconnection of Computer Networks

- An idea that was conceived in 1973 with early adaptations in use from 1977 ... (nearly 50 years ago)
- Millions of computers and smart devices connected to a common network via a cable or wirelessly
- Connection can be via ISP or public WiFi
- The Internet is the interconnecting infrastructure



- A worldwide network of interconnected computers, phones, tablets and other smart devices giving you access to information, shopping, communication, entertainment and much more.

What is the World Wide Web?

A collection of HTML pages available via the Internet



Web v2a: Invisible/Deep Web

Invisible/Deep Web (80-95%)

Specialised databases

Dedicated search engines

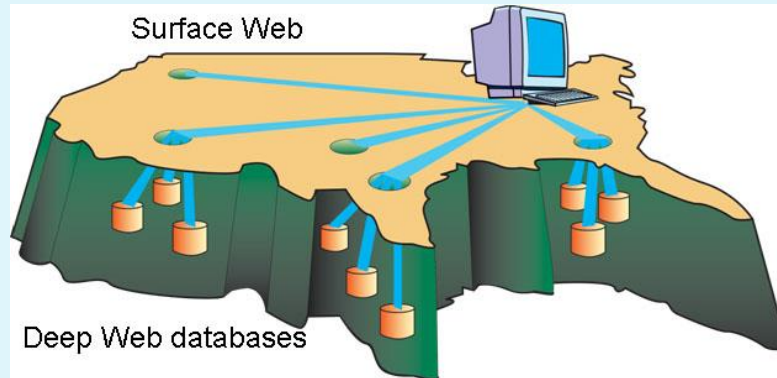
Paid Information

Restricted Access Information

Unlinked sites

Surface Web (5-20%)

e.g. Google, Bing/Yahoo, Wikipedia



How to Access the Internet

You need to connect to the network

- An Internet capable device
 - e.g. Computer, laptop, smart phone, tablet...
- A connection to the Internet (ISP)
 - e.g. Modem - Broadband (NBN), Fixed Wireless,
 - Phone – 3/4/5G, Satellite, WiFi (public)
- Software/Apps (Internet Browsers)
 - e.g. Chrome, Edge, Firefox, Safari, Brave...

Not all browsers are built the same



<http://whistleout.com.au>

<http://pentanet.com.au>

<http://nodeone.com.au>

Consider bundles:

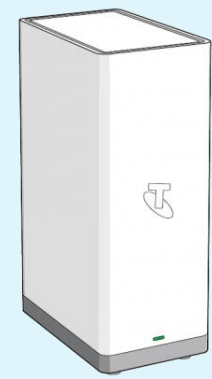
- modems, mesh wifi
- mobile phones, tablets
- entertainment packages

Internet Devices

Modems and other things



Modem NBN, Pocket Wifi (dongle), Hotspot



Telstra Smart Modem™ 2.0



Internet Access Devices

Computers and smart devices



PC, laptop, tablet, phone, TV, ...



Finding an ISP in Perth

Researching plans on the internet



<http://whistleout.com.au>

46 Phone and Internet Companies compared here Including:



spintel



iinet



OPTUS



dodo

SkyMesh



MyRepublic

activ8me

exetel

Yomojo

iPrimus

ipstar*

amaysim



barefoot



kogan mobile



TANGERINE

kogan internet

OVO

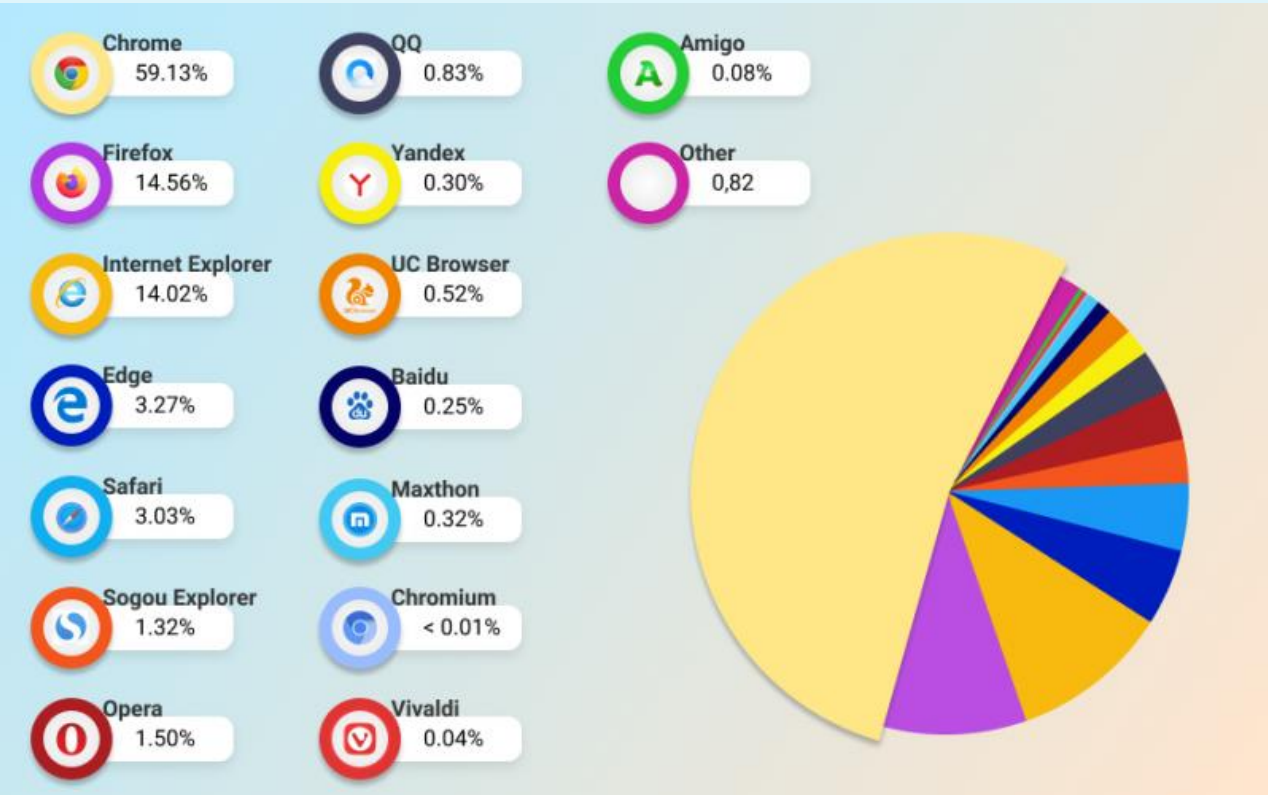
mate.



LEBARA

Internet Browsers

You use a browser to access pages from the Internet

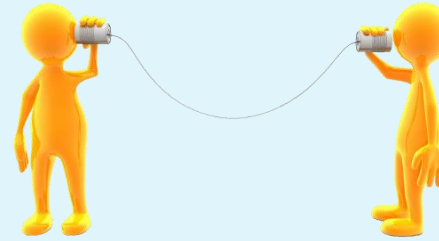


What can you do on the Internet?

Lots – lets group into broad categories



1. Information



2. Communication



3. Entertainment

4. Commerce



Learn about the Internet from the Internet

- Open a Browser
- Choose a Search Engine
- Ask your questions

1. Information

How do you access the information you are looking for?

- Search engines
- Maps
- Target Sites (e.g. News, Movies, Entertainment)
- Education and Employment
- Library Services and E-Books
- Web Directory (subset of websites based on category of business)



Google

web directory



Examples:

- Botw.org
- Hotfrog.com.au
- Usually vetted by a human and site are considered to be more trusted
- Content can be outdated and missing newer sites



Lets try some ways of finding information

<https://www.searchenginejournal.com/web-directories-list/>

Search Engines

Which ones to use - (let's explore some of them)

1. Relevant results (results you are actually interested in)
2. Uncluttered, easy to read interface
3. Helpful options to broaden or tighten a search

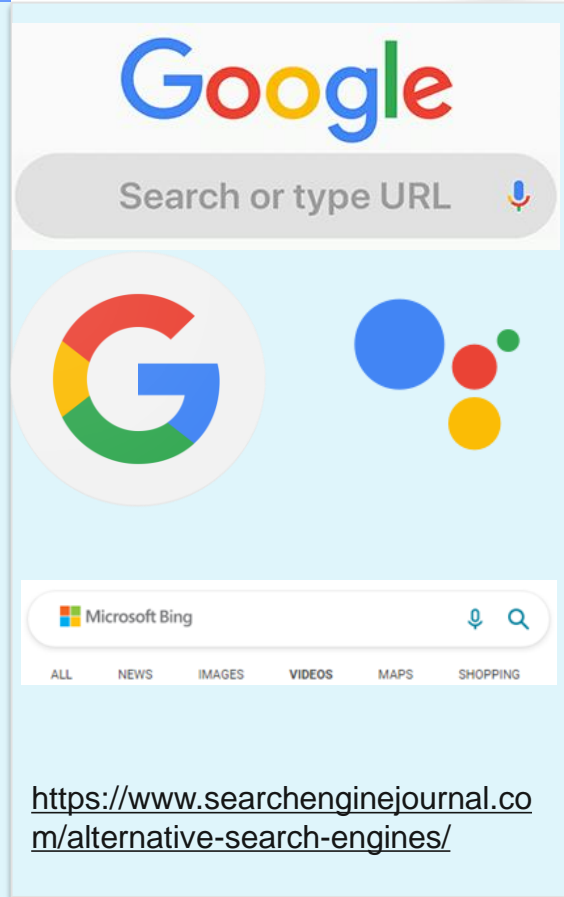
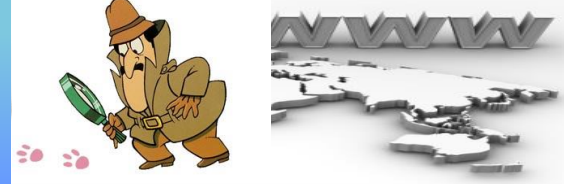
- Google 90%
- Bing/Yahoo (rewards)
- Yandex (44% of Russian users)
- CC Search (free license content)

Privacy

- Duck Duck Go
- Swisscows
- Startpage (google without tracking)
- Search Encrypt
- Gibiru
- Oneseach
- Brave (browser/search)

Specialty

- Wiki.com
- Broadreader
- Twitter
- The Internet Archive
- IMDB, theTVDB, CDDb
- Pinterest
- Wolfram Alpha
- Webopedia
- Baidu (Chinese)



<https://www.searchenginejournal.com/alternative-search-engines/>



Go and Google Yourself

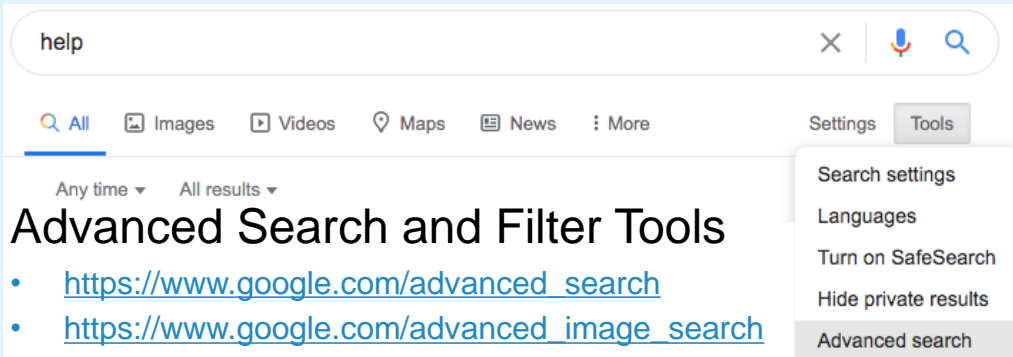


Search operators

- <https://support.google.com/websearch/answer/2466433>

Search Images

- <https://support.google.com/websearch/answer/112511>



Search Old Newspapers

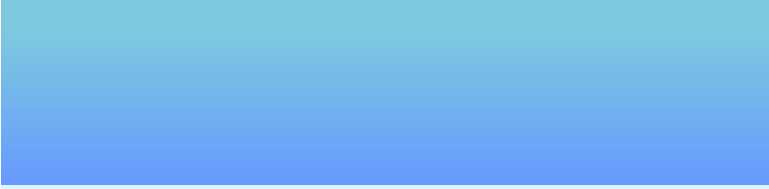
- <https://news.google.com/newspapers>

Search for an image and look at related images in right pane...

Let's try a visual search using Google Images and Google Lens

GOOGLE SEARCH CHEAT SHEET

<https://supple.com.au/tools/google-advanced-search-operators/#>



Examples

- use quotes “”;
- asterisk *;
- use “vs”;
- define::
- criteria site:sitename;
- weather:location;
- allintitle:words;
- minus(-);
- filetype:

- OR;
- define::
- cache:
- use the Mic for search
- Advanced search Tools image size; colour
- Search Settings – (Search by voice link, e.g. weather, map)
- Google News
- Search Help (bottom right)

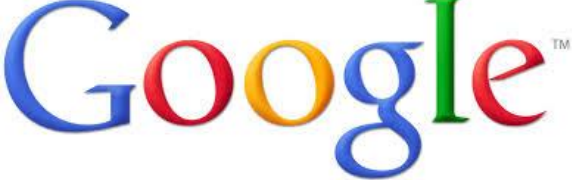
<https://ahrefs.com/blog/google-advanced-search-operators/>

“Magoo IT”
 Tony Maccione
 Is thicker than water
 filetype:pdf magooweb.weebly.com
 filetype:pdf bayswater.wa.gov.au
 site:bayswater.wa.gov.au filetype:pdf food
 Jaguar –car
 Iphone vs android

site:eventbrite.com.au “Understanding and searching the internet” magooit bayswater november

Tips

site:bayswater.wa.gov.au filetype:pdf food
 filetype:pdf site:cnn.com



Last 4 years is cached



Is data ever really gone from the Internet?

maccione site:www.kwinana.wa.gov.au

maccione site:.gov.au

cnn.com

perthnow.com.au

bayswater.wa.gov.au

bom.gov.au

INTERNET ARCHIVE



Explore more than 446 billion web pages saved over time

http://

BROWSE HISTORY

<http://archive.org>

INTERNET ARCHIVE



<https://www.perthnow.com.au/>

Go

SEP

OCT

NOV

18,569 captures

6 Dec 2000 - 10 Nov 2021



2020

21
2021

2022

2. Communication

What methods are available over the Internet



- Email



- Instant Messaging



- Newsgroups/Forums

- Chat Rooms



- Audio/Video

Conferencing



- Dating Sites



- Social Networking

- Blogs



- VoIP



3. Entertainment

What can you do just for fun?



Play Games

- Game Fudge



- BigFish Games



- Pogo



- Yahoo Games



Entertainment

What can you do just for fun?



Watch movies and video clips

- Netflix



- Stan



- Amazon Prime



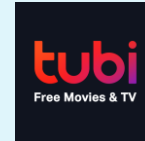
- Disney Plus



- Youtube (bestofyoutube)



- Tubi



- Popcornflix

- Classic Cinema Online



- Top Documentary Films



Entertainment

What can you do just for fun?



Watch TV episodes

freeview.com.au



- 10play.com.au



- 9now.com.au

- iview.abc.net.au



- 7plus.com.au

- sbs.com.au/ondemand



...and There's More Entertainment...

Most things you can think are available in some way shape or form over the internet.



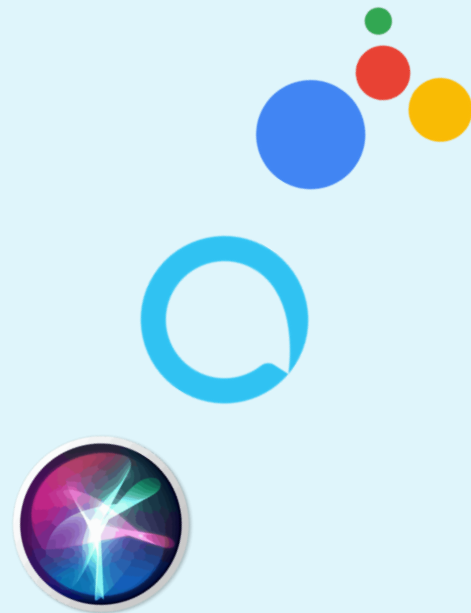
Music

- Live streaming

- Podcasts

- Books (audio and text)

- Ask Google, Siri or Alexa...



4. Commerce

Internet based money

- Shopping - buying and selling online
- Internet Banking
- Payments
- Bookings and Reservations
- and more...



easyvisit



General Internet Safety

Things to keep in mind



- Be careful what you put on the internet
- It's there forever and can be used to track you down
- Know who you are interacting with over the internet
- Nothing is private
- Think before you click (you are the first line of defence)
- Don't open unknown or unexpected email attachments
- Make sure you trust the download sites you use

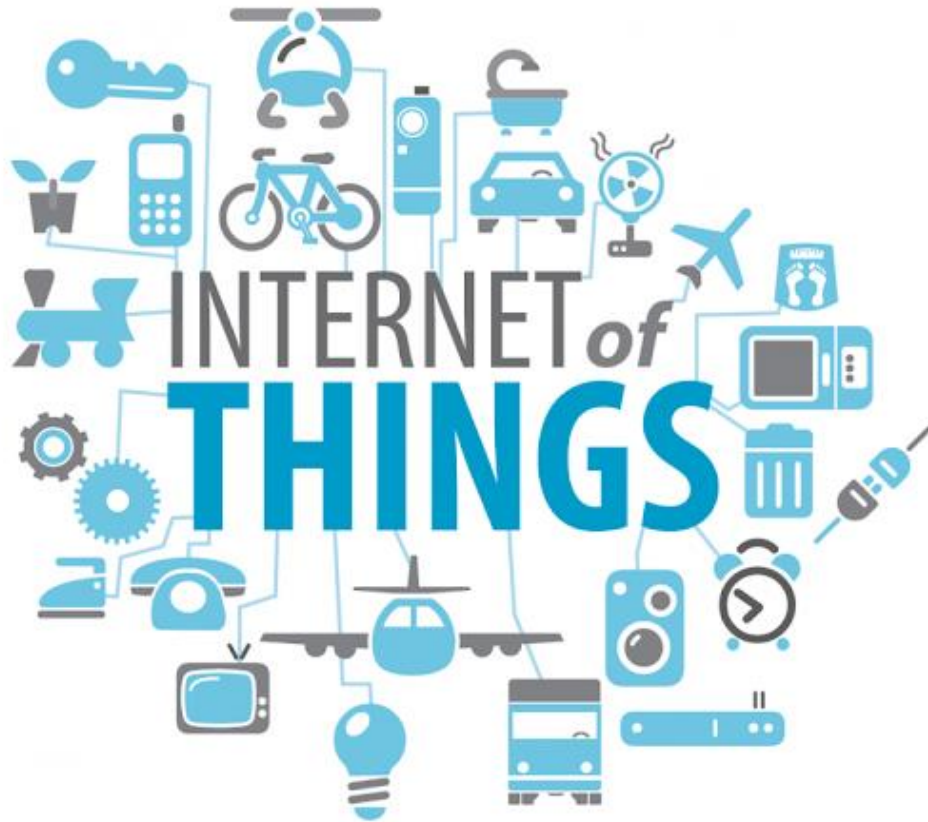
Internet usage around the world

Follow the link to see statistics



- <http://www.internetworldstats.com/stats.htm>
- Australia makes up 0.8% of world internet users
- Penetration was 84.2% of 21.7 million in 2020
- Facebook users in 2020 totalled 11.23 million
... almost 3 billion world wide

<https://www.genroe.com/blog/social-media-statistics-australia>



- The Internet of Things, or IoT, refers to the billions of physical devices around the world that are now connected to the internet, all collecting and sharing data
- IoT devices are the nonstandard computing devices that connect wirelessly to a network and have the ability to transmit data, such as the many devices on the internet of things (IoT).

Internet Terms

Some useful terms you will come across



- HTML, http, https
- Browser
- URL
- ISP
- P2P
- Downloading, Uploading
- Virus, Spyware, Malware, Spam, Flaming, Bloatware, Phishing
- Modem, Router
- LAN, WAN, WIFI
- Cloud
- Apps
- Encryption, Authentication
- Ports, Port Forwarding
- Firewall
- Backup, Archiving
- Favorites, Bookmarks
- e-commerce
- e-mail, IM
- Social Networking

Learn about the Internet from the Internet

- Open a Browser
- Choose a Search Engine
- Ask your questions



Want to know more?

The screenshot shows the homepage of the Be Connected website. At the top left is the Australian Government logo. The main header features the 'Be Connected' logo with the tagline 'Every Australian online.' To the right are links for 'Get help' and 'Sign in/up'. A navigation bar below the header includes 'Home', 'Topic library', 'Find local help', 'Help others', and 'Network Partners', along with a 'Resize text' option. The main content area has a large heading 'Build your online skills' and a sub-heading 'Learn at your own pace with our free courses on everything from how to access the internet, make video calls or set up your device'. A purple button labeled 'Explore topics >' is positioned below the text. To the right is a photograph of an elderly woman wearing a headset and holding a smartphone. Below the main content is a horizontal menu with 'Build skills', 'Help others', and 'Quick reads'. The 'Quick links to get started' section at the bottom features three cards: 'Topic Library' (with a book icon), 'Find local help' (with a person icon), and 'Sign up today' (with a person icon and a plus sign). Each card includes a brief description of the service.

beconnected.esafety.gov.au

Australian Government **Be Connected** Every Australian online.

Get help Sign in/up >

Home Topic library Find local help Help others Network Partners Resize text A A




Build your online skills

Learn at your own pace with our free courses on everything from how to access the internet, make video calls or set up your device

Explore topics >

Build skills Help others Quick reads

Quick links to get started

-  **Topic Library**
Start learning today by browsing the range of topics.
-  **Find local help**
Discover what support is available to help.
-  **Sign up today**
Track your progress through the topics and get a free Ancestry



Getting started online

[Explore >](#)

Navigating the online world can be a little tricky at first, but this course will teach you some essential skills to getting started online.

- Using the internet
- Using online forms
- Using email
- Using search engines
- Introduction to internet safety



Using the internet

[View activities >](#)

In this course, you will learn all about browsing the internet. The course covers using a web browser to view websites, creating bookmarks and what copyright means online.



Using online forms

[View activities >](#)

In this course you will learn what an online form is, how to fill in forms on a website and how to correct mistakes on them. The course will also show you the different ways to complete online forms, such as text boxes and multiple choice answers.



Search Engines

Additional Information



- **The Internet Archive** is a favorite destination for longtime Web lovers. The Archive has been taking snapshots of the entire World Wide Web for years now, allowing you and me to travel back in time to see what a web page looked like in 1999, or what the news was like around Hurricane Katrina in 2005. You won't visit the Archive daily, like you would Google or Yahoo or Bing, but when you do have need to travel back in time, use this search site.
- **Yahoo!** is several things: it is a search engine, a news aggregator, a shopping center, an mailbox, a travel directory, a horoscope and games center, and more. This 'web portal' breadth of choice makes this a very helpful site for Internet beginners. Searching the Web should also be about discovery and exploration, and Yahoo! delivers that in wholesale quantities.
- **Webopedia** is one of the most useful websites on the World Wide Web. Webopedia is an encyclopedic resource dedicated to searching techno terminology and computer definitions. Teach yourself what 'domain name system' is, or teach yourself what 'DDRAM' means on your computer. Webopedia is absolutely a perfect resource for non-technical people to make more sense of the computers around them.
- **Yahoo!** is several things: it is a search engine, a news aggregator, a shopping center, an mailbox, a travel directory, a horoscope and games center, and more. This 'web portal' breadth of choice makes this a very helpful site for Internet beginners. Searching the Web should also be about discovery and exploration, and Yahoo! delivers that in wholesale quantities.

Search Engines

Additional Information



- **Webopedia** is one of the most useful websites on the World Wide Web. Webopedia is an encyclopedic resource dedicated to searching techno terminology and computer definitions. Teach yourself what 'domain name system' is, or teach yourself what 'DDRAM' means on your computer. Webopedia is absolutely a perfect resource for non-technical people to make more sense of the computers around them.
- **Bing** is Microsoft's attempt at unseating Google. Bing used to be MSN search until it was updated in summer of 2009. Touted as a 'decision engine', Bing tries to support your researching by offering suggestions in the leftmost column, while also giving you various search options across the top of the screen. Things like 'wiki' suggestions, 'visual search', and 'related searches' might be very useful to you. Bing is not dethroning Google in the near future, no. But Bing is definitely worth trying.
- **DuckDuckGo.com** looks like Google, but there are many subtleties that make this spartan search engine different. DuckDuckGo has some slick features, like 'zero-click' information (all your answers are found on the first results page). DuckDuckgo offers disambiguation prompts (helps to clarify what question you are really asking). And the ad spam is much less than Google. Give DuckDuckGo.com a try... you might really like this clean and simple search engine.
- DuckDuckGo's results are a compilation of "over 400" sources, including Yahoo! Search BOSS, Wolfram Alpha, Bing, Yandex, its own web crawler (the DuckDuckBot) and others. It also uses data from crowdsourced sites, including Wikipedia, to populate knowledge panel boxes to the right of the results.



Thank you

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Online Training with Magoo IT

ONLINE EVENTS

ONLINE TRAINING

MagooIT Seniors Tech Support

NEVER STOP LEARNING

Past Events 2020

Past Events 2019

Past Events 2018

Past Events 2017

Past Events 2016

Past Events 2015

Past Events 2014

Past Events 2013

Online Training



magooit.com.au

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MagooIT Seniors Tech Support

"What lies behind us and what lies before us are tiny matters compared to what lies within us." - Ralph Waldo Emerson

Magoo IT: helping Seniors with technology

Magoo IT is passionate about adult education and encouraging seniors to utilise, or embrace, technology to improve their lives. Tony has a unique ability to inspire confidence with a hands-on approach and encourages participants to bring in and use the devices during these sessions.

Training • Advice • Support

We are a family run business.

Tony Maccione

Tony has been working on, running, managing and developing IT Help Desks for more than 25 years. He has worked in small business, corporate and Government organisations, both in Australia and internationally. Tony currently holds Department of Defence clearance.

Not only is Tony experienced in virtually all areas of IT, from




support@magooit.com.au



City of Bayswater