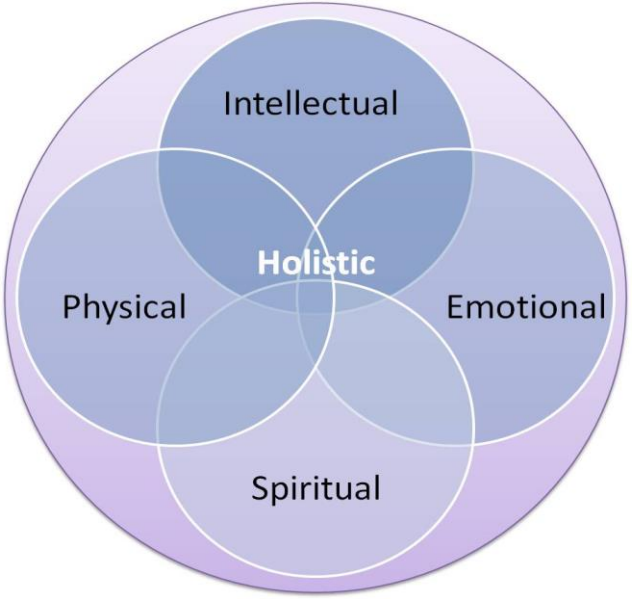
GCSE coursework marks 'cancelled due to leak'

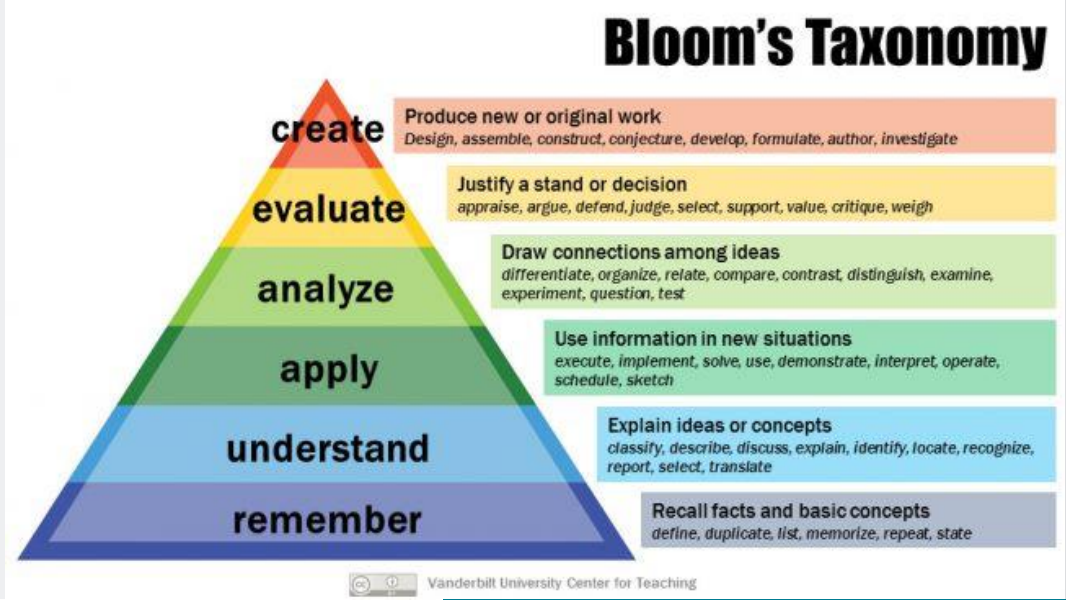
By Robbie Meredith
BBC News NI Education Correspondent

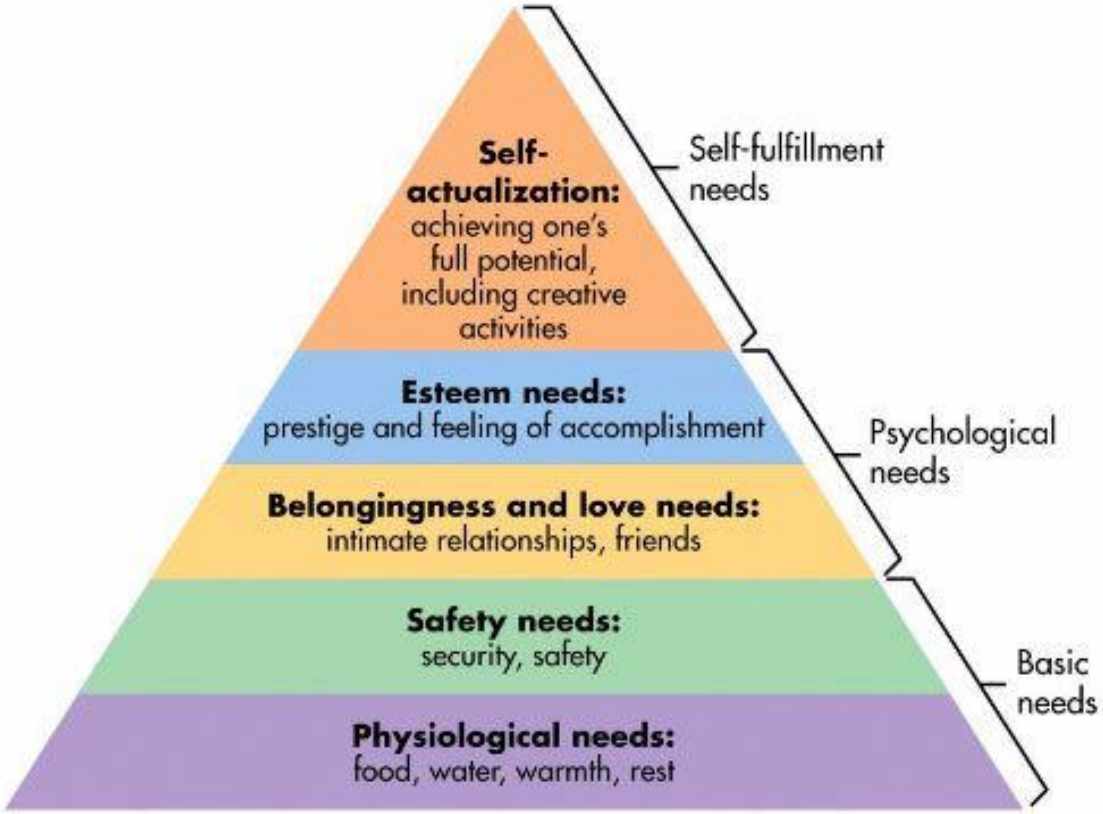
9 hours ago | Northern Ireland

Share

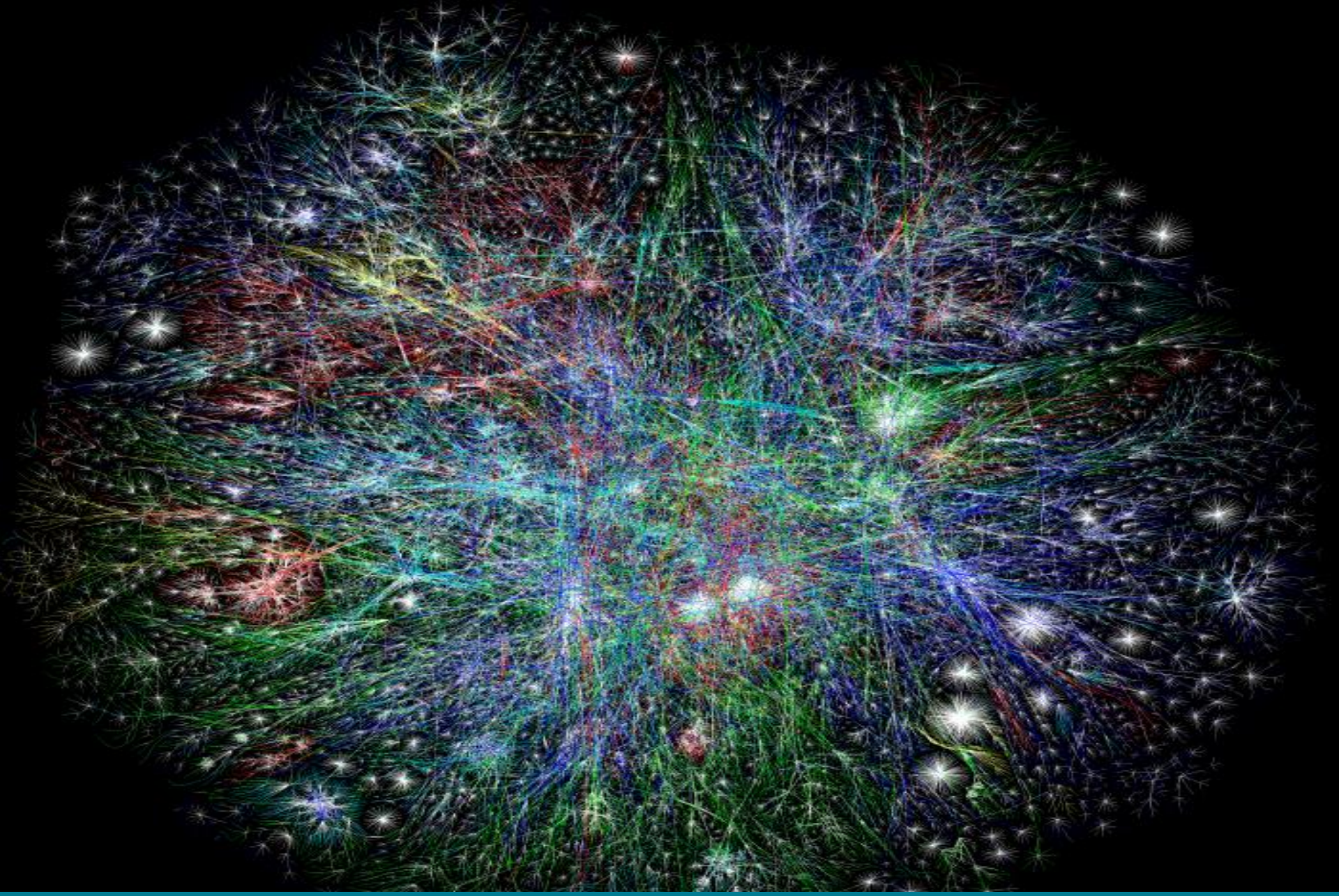
Computer Science is making the news...







The Web is changing the way young people think… It's hard to concentrate on one thing when you have so many. Theory tells us that the way we think is multi-modal, much like the Web it is many directions.



If we visualise all the information in the Web, we suddenly find ourselves looking at a universe...

A universe of popular and often polarising figures who have powerful voices… who many people ‘follow’ and ‘like’

President Obama Follow
@POTUS

Today is a big step in our march toward equality. Gay and lesbian couples now have the right to marry, just like anyone else. #LoveWins

RETWEETS 206,942 FAVORITES 157,745

9:10 AM - 26 Jun 2015

Donald J. Trump Follow
@realDonaldTrump

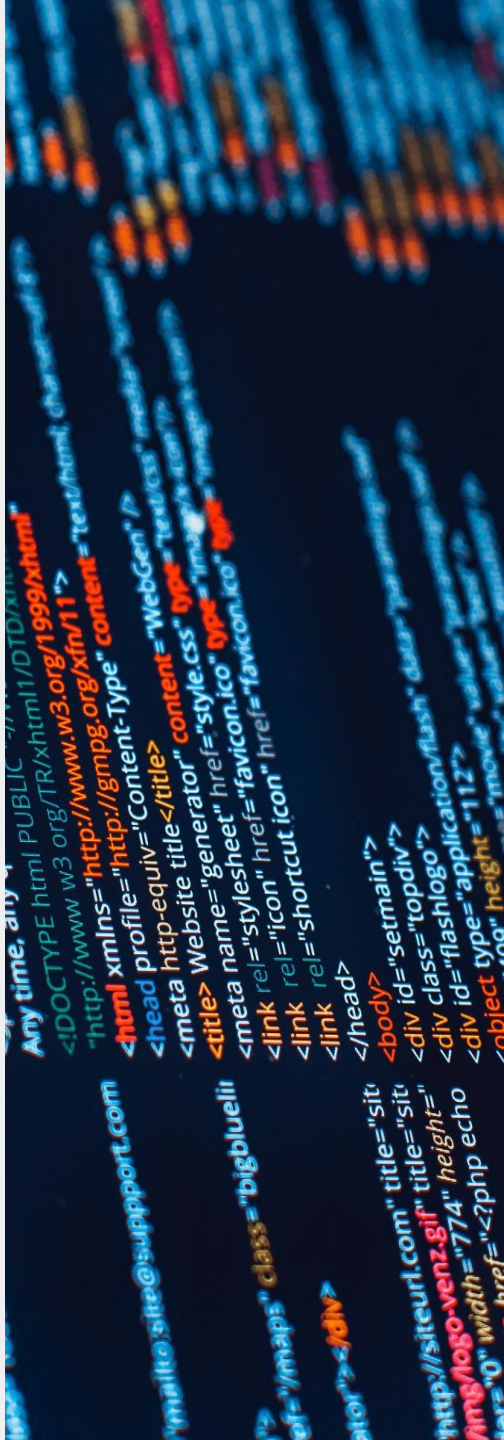
Just heard Foreign Minister of North Korea speak at U.N. If he echoes thoughts of Little Rocket Man, they won't be around much longer!

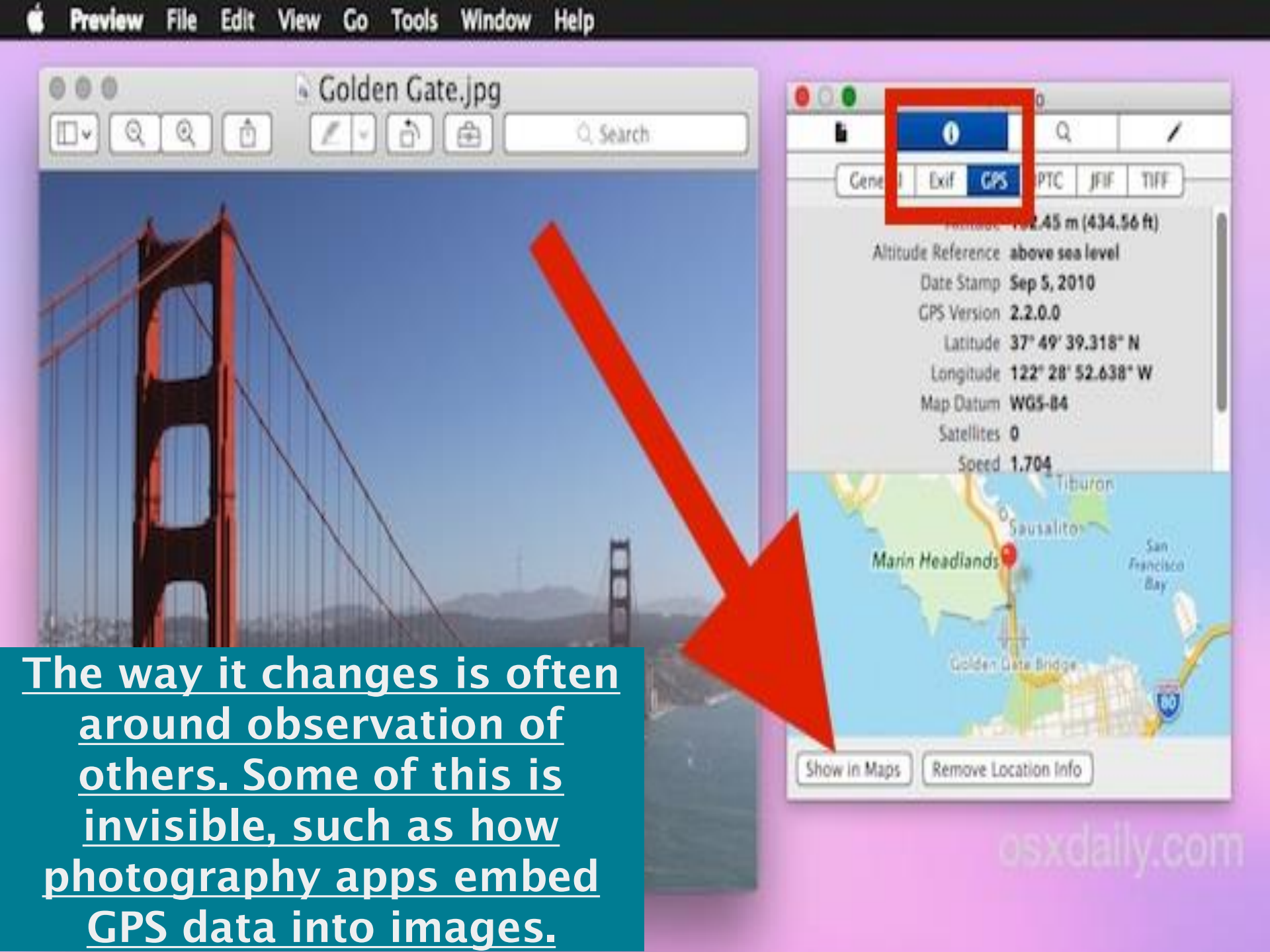
3:08 AM - Sep 24, 2017

49,954 36,795 131,968

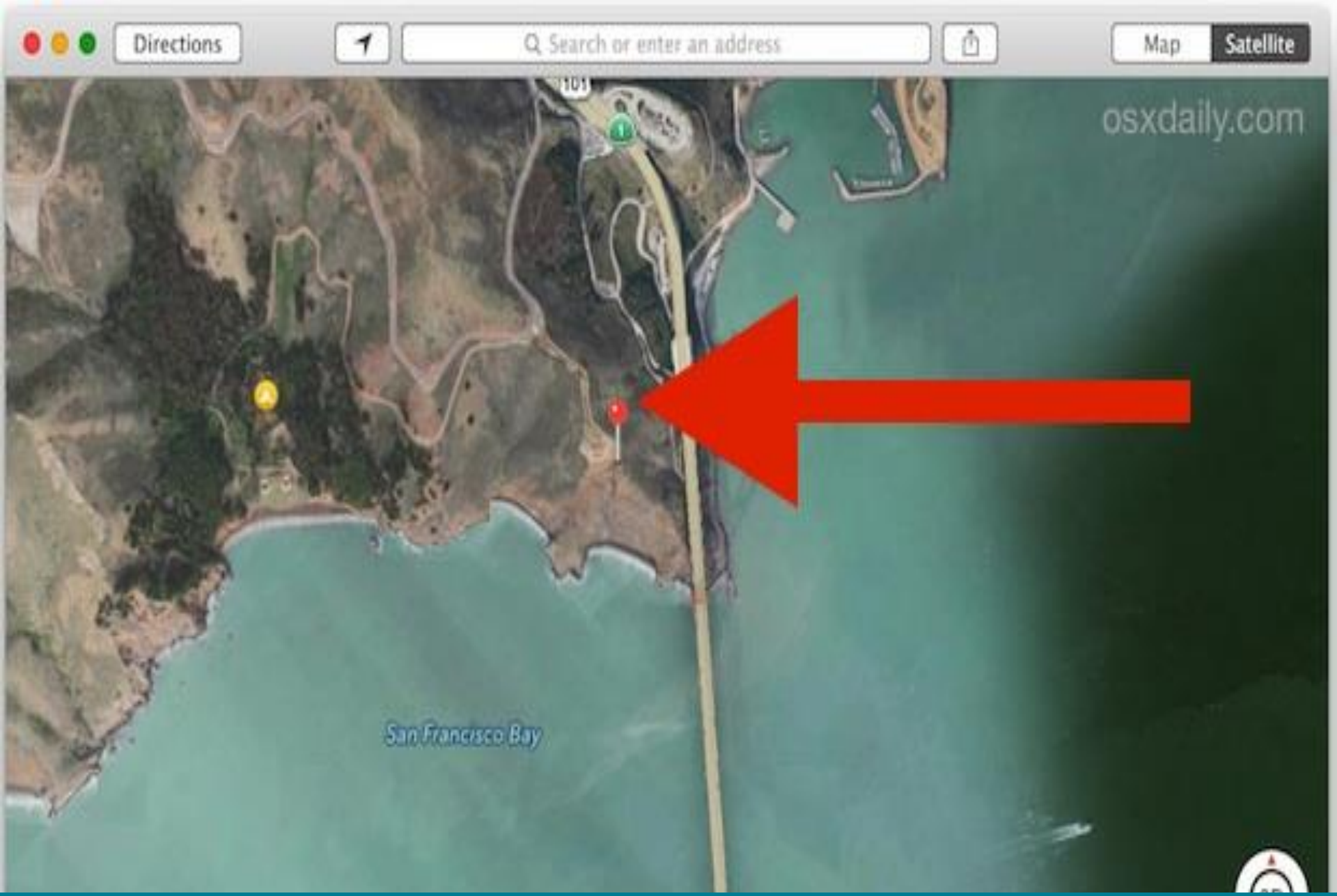
What is the Web?

- Do we actually study the Web in schools?
- Some see it as just technical protocols (URI, HTTP, HTML).
- Others see it as a social network.
- Or as a network of heterogeneous (many different) actors.
- It is a temporarily stable **sociotechnical** phenomenon.
- This means it can change rapidly.





The way it changes is often around observation of others. Some of this is invisible, such as how photography apps embed GPS data into images.



This means it is not all that difficult to find out where somebody lives, goes to work, school, or on holiday.

The Decentralised Web

- Why can use of the Web be problematic?
- Deregulated, anonymous and decentralised technical protocols play a part.
- There are no clear rules. With no clear governance people inherently form collectives and act for themselves.
- Psychological Nietzscheism; people have inherent darkness beneath the surface that require rules.

AverieMaddox
@RABBITISH1

Follow

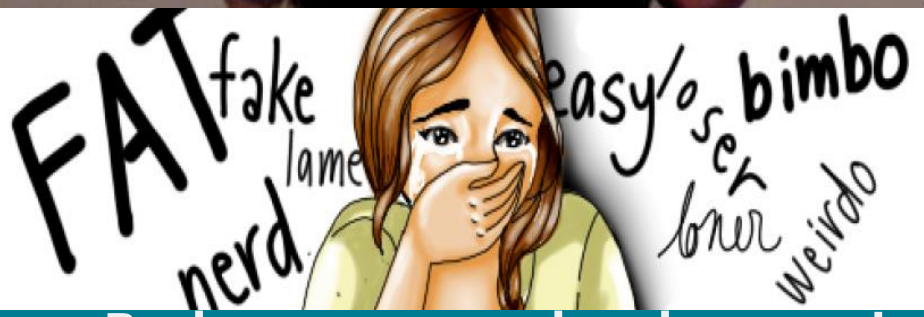
Got a card in the mail from Victoria's Secret advertising their Perfect Body line w/3 ultra thin models pictured. What a sad message to send

It's not surprising that the Web has the power to warp our sense of image, normality and language.

How to deal with cyberbullying

Step 1

Step 2



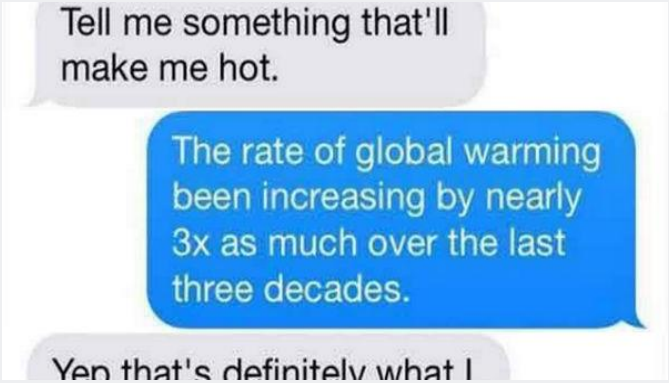
Perhaps we need to be starting education far earlier in a much more comprehensive way. Young people even have their own humour, a cultural change that is termed as memes. This is a huge indicator of a shift in 'normality'

When young people live in a world all about observation, it becomes a part of their day to day life. Their minds are far more easily led when young.

- Young people will take more than **25,000 selfies** in their lifetime.
- The average **16- to 25-year-old** spends five hours a week taking them.
- Sexting is on the increase amongst young people.
- It's becoming a normalised intimacy.

Meme's aside...

- **60% of teenagers** have been asked for sexual images of themselves. (NSPCC/ChildLine. 2013)



- **44% of teens** say sexts are commonly shared by third parties. (CosmoGirl. 2008)

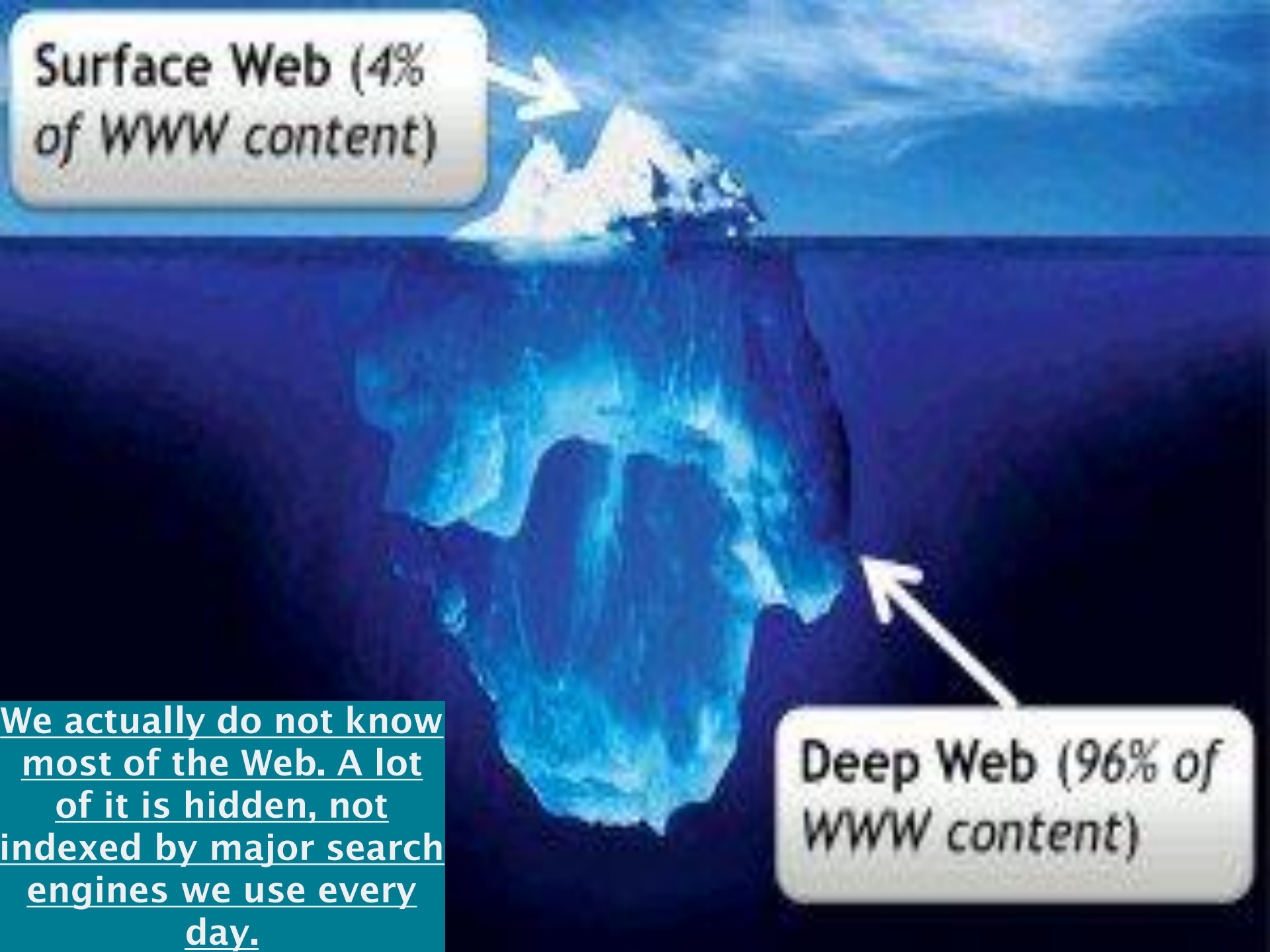
- **25% of children** as young as 10 years old engage in sexting. (Sheehy. 2014)

- **10% of children aged 13-14** say that they have received sexual messages in the past 12 months.
- **22% of children aged 15-16** say that they have received sexual messages in the past 12 months.
- **21% of children** have seen sexual images in the past 12 months online or offline. (Net Children Go Mobile. O'Neill & Dinh 2014).
- **Around 25% of** parents use filtering.
- **70%** of young people know how to bypass it using a **Virtual Private Network (VPN).**

Virtual Private Network

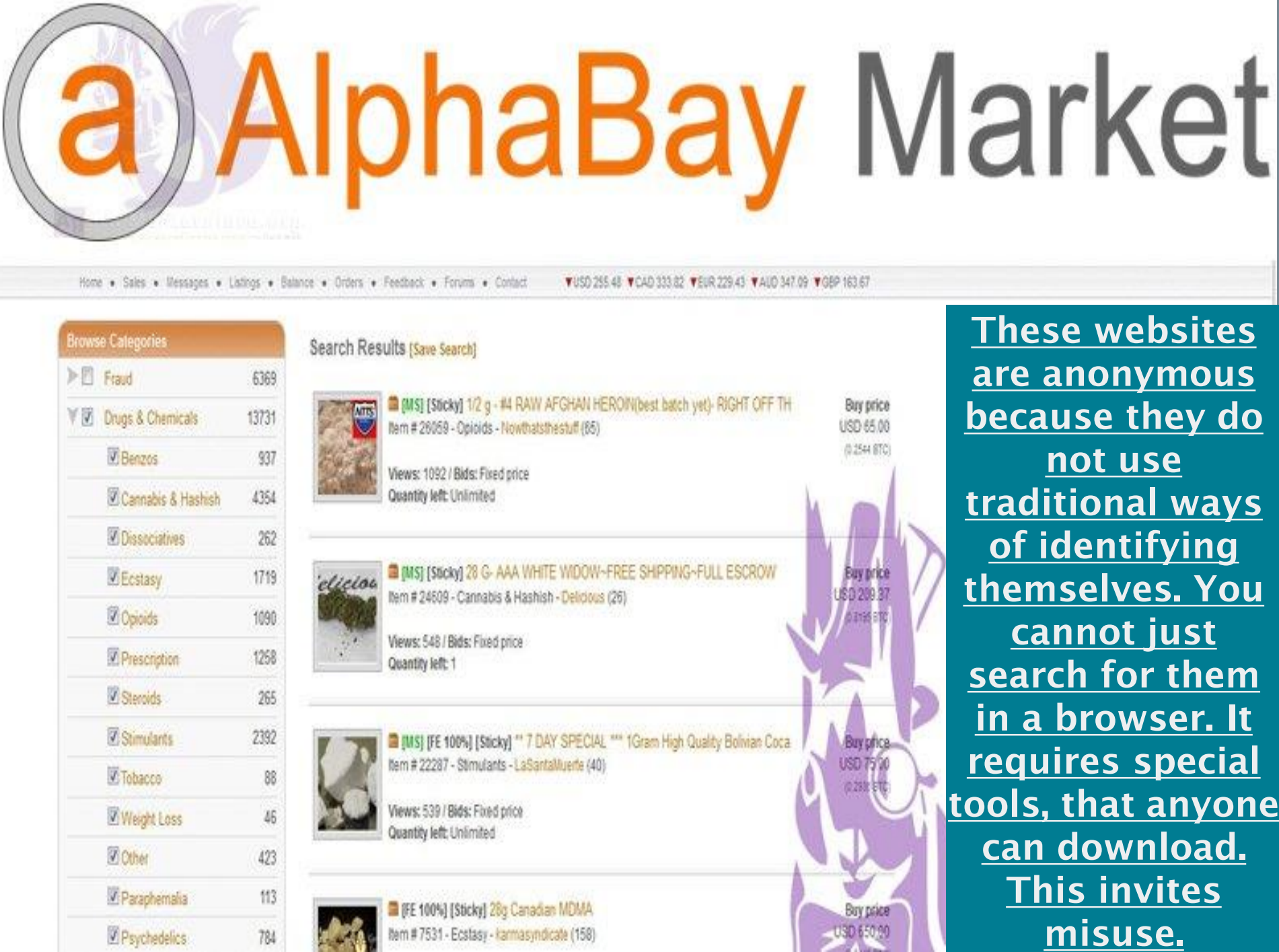
Young people can even use software, known as VPN's, to go 'around' blocked websites by using someone else's computer. This makes it difficult to monitor

Unfortunately, we have plenty of evidence that suggests what happens online is 'real' to young people, as is the case of Amanda Todd. Her story can be found on Youtube and Wikipedia and is powerful as an example of the reality of the online to young people.



We actually do not know most of the Web. A lot of it is hidden, not indexed by major search engines we use every day.

At the very bottom of all of this, we find the Dark Web, where criminality unfolds and is hard to stop.
Surface Web
Google
The Cloud
bing
Academic information
Government Resources
Deep Web
Hacker's
illegal Porn
Dark Web
TOR-Encrypted Sites
illegal information



These websites are anonymous because they do not use traditional ways of identifying themselves. You cannot just search for them in a browser. It requires special tools, that anyone can download. This invites misuse.

armory34omvkkmgr.onion/index.php?route=common/home

Startpage

ARMORY

Currency ฿ Ł $

Shopping Cart
0 item(s) - $0.00

Search

Welcome visitor you can login or create an account.

Home | Wish List (0) | My Account | Shopping Cart | Checkout

Package Deals | Pistols | Rifles | Shotguns | NFA Weapons | Accessories | Armor | Ammunition | Military

Specials

AKM Gen2
~~$3,605.98~~ $2,800.00
Add to Cart

CIA Model PAP
~~$1,956.64~~ $1,401.56
Add to Cart

CZ-USA P07 DUTY
~~$920.82~~ $820.00
Add to Cart

This is a site catalog, please email us with your order. All items sold under your choice of .onion escrow.

Bestsellers

Walther P22
$752.65
Add to Cart

Glock 17 & Gemtech Tundra
~~$2,223.45~~ $1,599.99
Add to Cart

Beretta PX4 Storm Type F
$1,223.90
Add to Cart

9x19mm Parabellum
$0.30
Add to Cart

Glock 26 Gen4
$1,027.94
Add to Cart

Glock 17 Gen4
$1,027.94
Add to Cart

CIA Model PAP
~~$1,956.64~~ $1,401.56
Add to Cart

Glock 32 Gen4
$1,027.94
Add to Cart

Categories

- Package Deals (4)
- Pistols (87)
- Rifles (66)
- Shotguns (4)
- NFA Weapons (84)
- Accessories (68)
- Armor (28)
- Ammunition (33)
- Military (44)

Shipping Points

- Australia (NewCastle) - $290
- Australia (Perth) - $340
- Austria (Graz) - $270
- Canada (Toronto) - $190
- Canada (Vancouver) - $190
- France (Le Mans) - $270
- Germany (Dresden) - $220
- Ireland (Tuam) - $290
- Italy (Modena) - $280
- N. Ireland (Belfast) - $340
- Netherlands (Breda) - $320
- Norway (Drammen) - $240
- Russia (Vyborg) - $190
- Finland (Tornio) - $290

Categories

Drugs (2664)
Services (971)
Data (549)
Weapons (301)
Collectables (48)
Metals/Stones (43)
Other (338)
Software (113)
Movies (14)
Tobacco (178)
Counterfeits (124)
Alcohol (42)

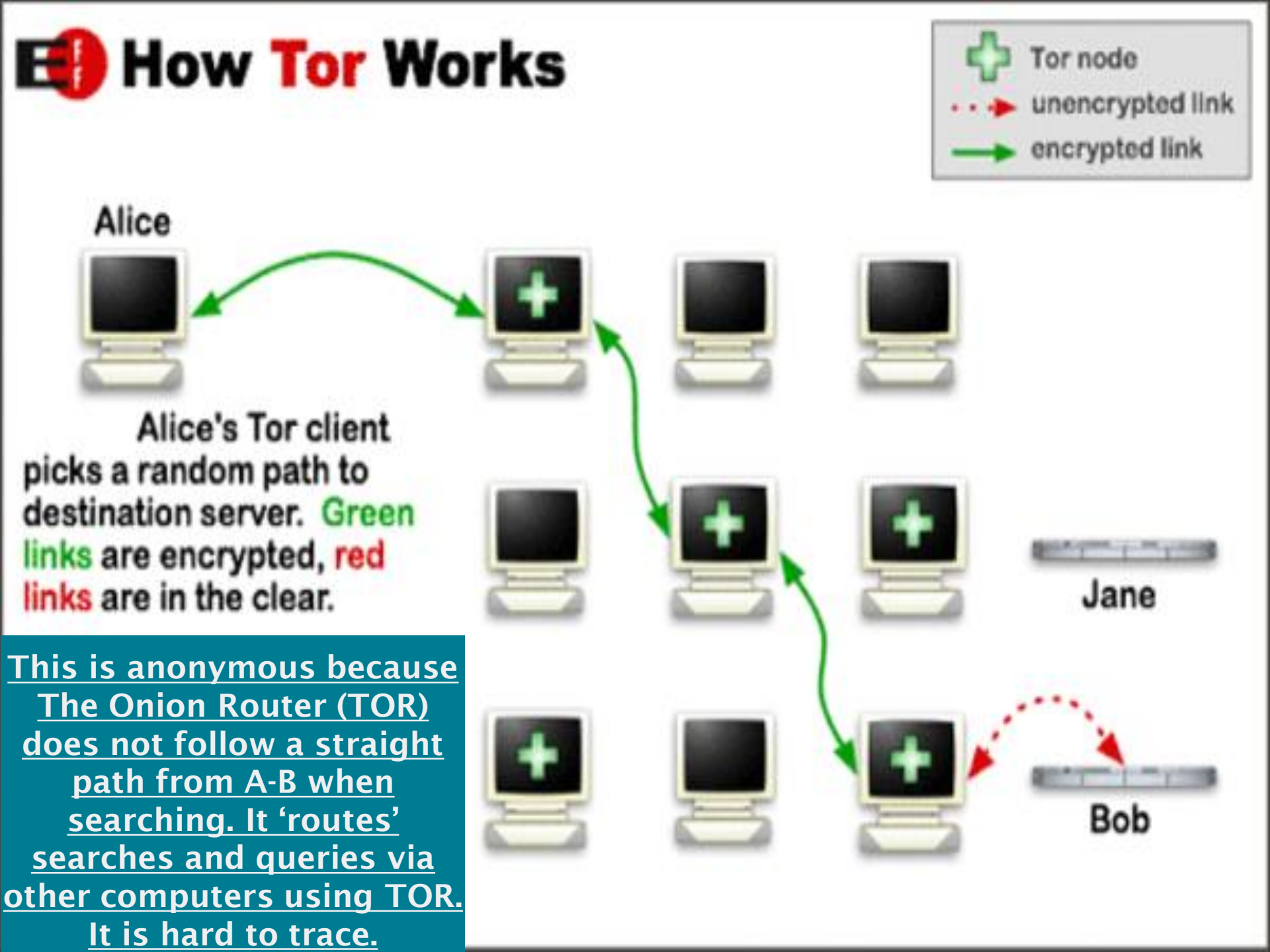
Ak-47, decent conditon

More images:

Price	103.89610 BTC
	$ 2,000.00 £ 1,269.60 € 1,478.09
Ship from	USA, Philadelphia
Ship to	Worldwide
Stock	1
Created in	2012-06-30 03:12 UTC
Last update	2012-12-11 01:47 UTC

Your balance isn't enough to buy this item!
Please deposit the needed funds before.

How Tor Works



This is anonymous because The Onion Router (TOR) does not follow a straight path from A-B when searching. It 'routes' searches and queries via other computers using TOR. It is hard to trace.

Silk Road

anonymous marketplace

Welc...

messages(0) | orders(0) | account(฿0) | settings |

- Drugs(502)
  - *Ecstasy(18)*
    - MDMA(3)
    - Pills(4)
    - Methylone(3)
  - Cannabis(136)
  - Dissociatives(7)
  - Psychedelics(77)
  - Opioids(38)
  - Stimulants(60)
  - Other(106)
  - Benzos(42)
- Lab Supplies(9)
- Digital goods(96)
- Services(27)
- Money(20)
- Jewelry(2)
- Weaponry(9)
- Home & Garden(16)
- Food(2)
- Electronics(14)
- Books(13)

sort by seller feedback go

title	price	seller	ship to	ship from
bk-MDMA Crystalline Powder - 1g	฿1.67	edgarnumbers(100)	worldwide	USA
1 Cap MDMA 125mg	฿1.24	Ivory(100)	UK	UK
1Gram Crystal MDMA - REAGENT TESTED	฿4.91	Ivory(100)	UK	UK
MDMA crystals 10g	฿21.78	pivert	Worldwide	Europe
1g - Crystal MDMA - Marquis tested	฿6.01	azura540	EU	UK
150MG Methylone (BK-MDMA) $5 w/$1 donated to SRI	฿0.36	Quantum	EARTH	US
1 GRAM Methylone (BK-MDMA)	฿1.36	Quantum	EARTH	US
Blue Transformer Pill	฿1.64	azura540	EU	UK
10g MDA	฿44.49	WorldISEnough	Worldwide	Canada
Dark Red Q-Dance (Standby) MDMA+MDA pills x 15	฿25.24	WildSyde	EU	Worldwide
10 orange q dance pills	฿6.30	sullyyy	IRELAND, UK, EU	IRELAND

U.S. Immigration and Customs Enforcement

THIS HIDDEN SITE HAS BEEN SEIZED

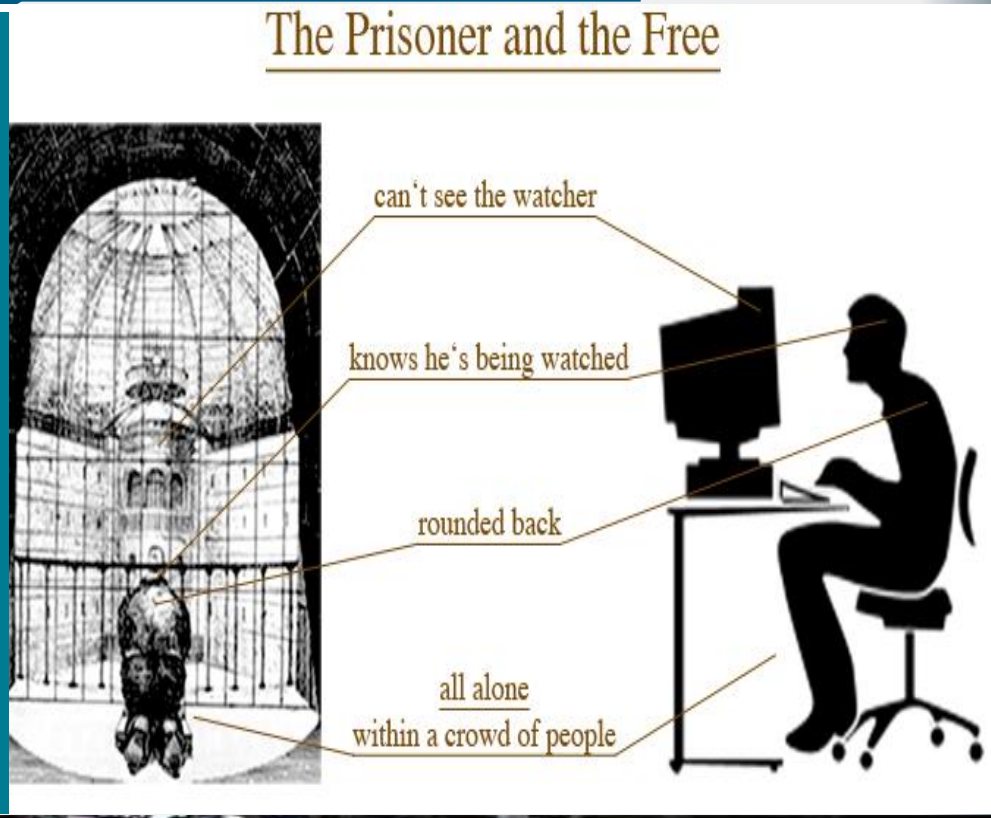
as part of a joint law enforcement operation by
the Federal Bureau of Investigation, ICE Homeland Security Investigations,
and European law enforcement agencies acting through Europol and Eurojust

in accordance with the law of European Union member states
and a protective order obtained by the United States Attorney's Office for the Southern District of New York
in coordination with the U.S. Department of Justice's Computer Crime & Intellectual Property Section
issued pursuant to 18 U.S.C. § 983(j) by the
United States District Court for the Southern District of New York

Problems on the Web come from us assuming that measures are in place to limit the impact of problems. Take this video of a popular cartoon 'parody' video being mislabelled as a children's film.

Knowledge and Power

What we need to remember is that young people are almost imprisoned in a cultural norm. They have to use the Web to be 'included' in many things we would take for granted. Meanwhile, the Web is observed much like a prison by those stakeholders with a lot of power. People willingly surrender freedom to sign up to many popular websites that then monitor what we do.



The problem is young people often know a lot more!

- Concerns of over-emphasis of programming in new National Curriculum.
- Huge demands on ICT professionals; programming is not playing with computers.
- Complex learning = less time to teach about the Web.
- This cannot be taught on old software or machines. Is there enough investment?
- We need to ask questions about this… just what are schools teaching and when?

```
void calcStats(struct Student *person)
{
	int i;
	float total=0;
	float total2=0;
	for (i=0;i<numStudents;i++)
	{
		person[i].finalGrade = (person[i].test1+person[i].test2
			+2*person[i].finalExam)/4;   // calculates final grade
		total=total+person[i].finalGrade;
	}
	classMean = total/numStudents;  // calculates class mean
	if (numStudents>1)
	{
		for (i=0;i<numStudents;i++) // calculates standard devation
		{
			total2 = total2 + pow((person[i].finalGrade-classMean),2);
		}
		total2=total2/(numStudents-1);
		stanDev = sqrt(total2);
```

```
int isqrt (unsigned x) {
  unsigned x1;
  int s, g0, g1;

  if (x <= 1) return x;
  s = 1;
  x1 = x - 1;
  if (x1 > 65535) {s = s + 8; x1 = x1 >> 16; }
  if (x1 > 255)   {s = s + 4; x1 = x1 >> 8; }
  if (x1 > 15)    {s = s + 2; x1 = x1 >> 4; }
  if (x1 > 3)     {s = s + 1;}

  g0 = 1 << s;   // g0 = 2**s.
  g1 = (g0 + ( x >> s)) >> 1;   //g1 = (g0 + x/g0)/2.
  while (g1 < g0) {
     g0 = g1;
     g1 = (g0 + (x/g0)) >> 1;
  }
  return g0;
}
```

Learning to program is no joke, neither is the Web. Both form a network that is always evolving and is hard to grasp.

X =	8		6
X =	0000 1000	or	0000 0110
X-1 =	0000 0111		0000 0101
X & (X-1) =	0000 0000		0000 0100
	zero		nonzero