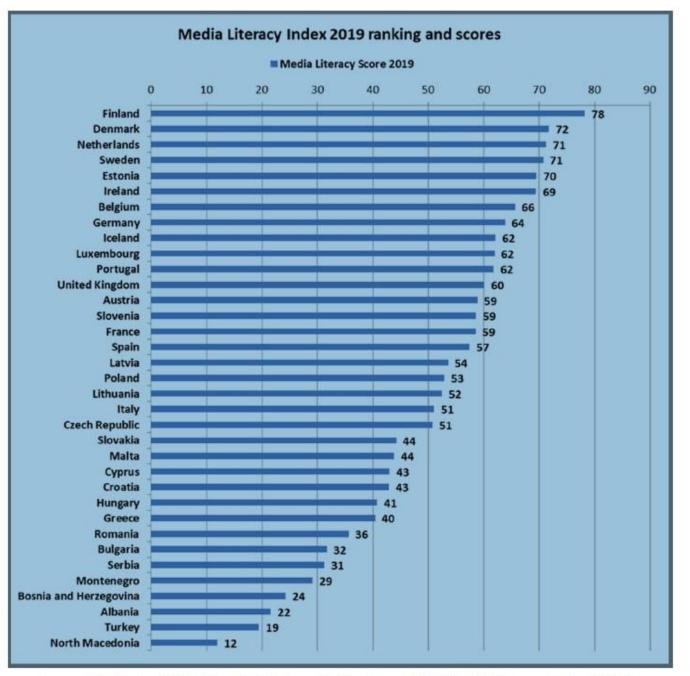
Digital Information Literacy Practical tools for teachers to deal with information disorder



B FactBar EDU

27.11.2020 - PhD Kari Kivinen



Lessenski, Marin. 2019. "Just think about it. Findings of the Media Literacy Index 2019". *Policy Brief* 55. Open Society Institute, Sofia / European Policies Initiative (EuPI).

Media and Information Literacy (MIL)

- Media and information Literacy education starts at very early childhood at home
 - Fairy tales
 - Stories & poems
 - Songs
 - Reading
 - Picture books
 - Cartoons
 - Films
 - Games
 - Etc

Finnish core curriculum

- According to the new core curriculum, all the Finnish schools should provide their pupils basic competences to use information independently and in interaction with others for problem-solving, argumentation, reasoning, drawing of conclusions and invention and they should have opportunities to analyse the topic being discussed critically from different viewpoints.
- The pupils should be able to know where and how to search for information and they should be able to evaluate the usability and reliability of sources.
- The schools should support the pupils' growth into active, responsible, and enterprising citizens.
- (National Core Curriculum for Basic Education 2014, Finnish National Board of Education, Publications 2016:5, Helsinki.)



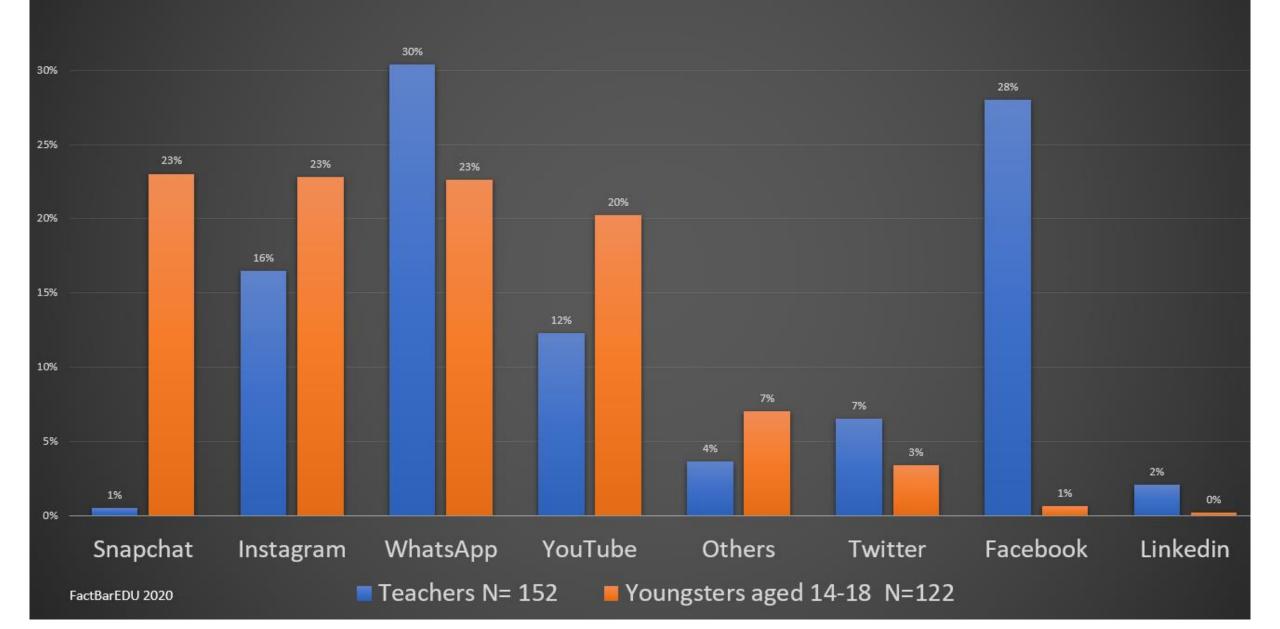
B FactBar EDU

The FactBarEDU project brings together fact-checking experts, journalists, media specialists and pedagogues to create digital information literacy tools:

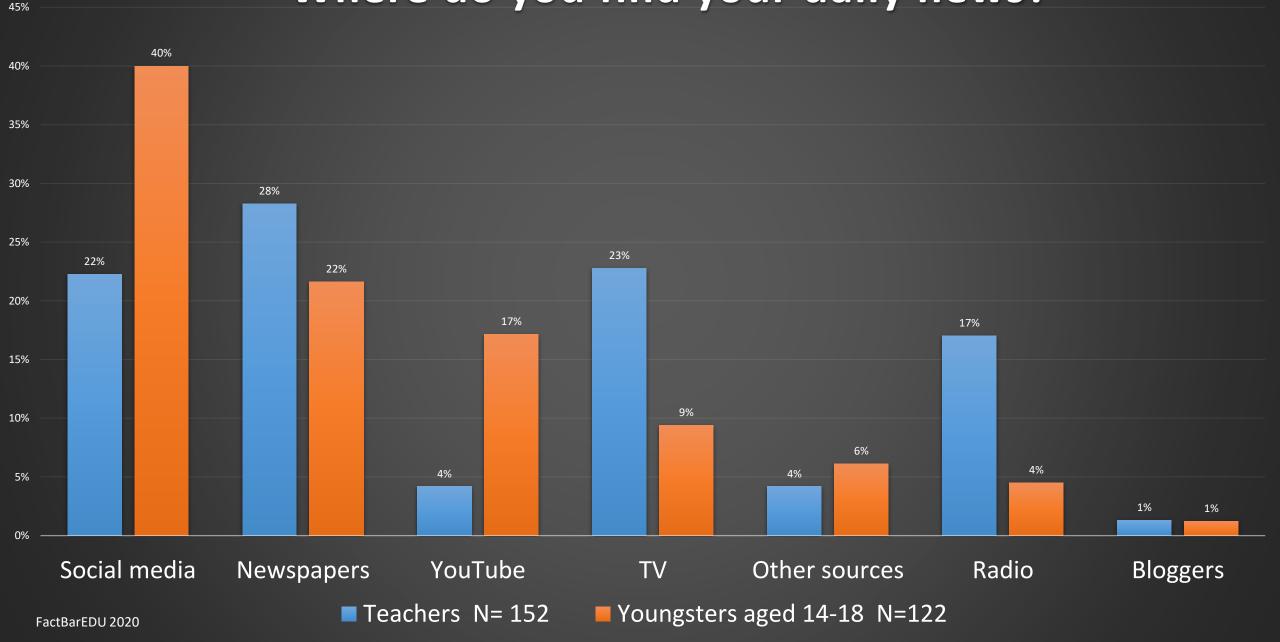
- 1. to support teachers in dealing with social media issues in the classroom context ;
- 2. to empower students with critical thinking and digital information literacy skills to resist mis- and disinformation
- 3. to activate students to verify their social media content

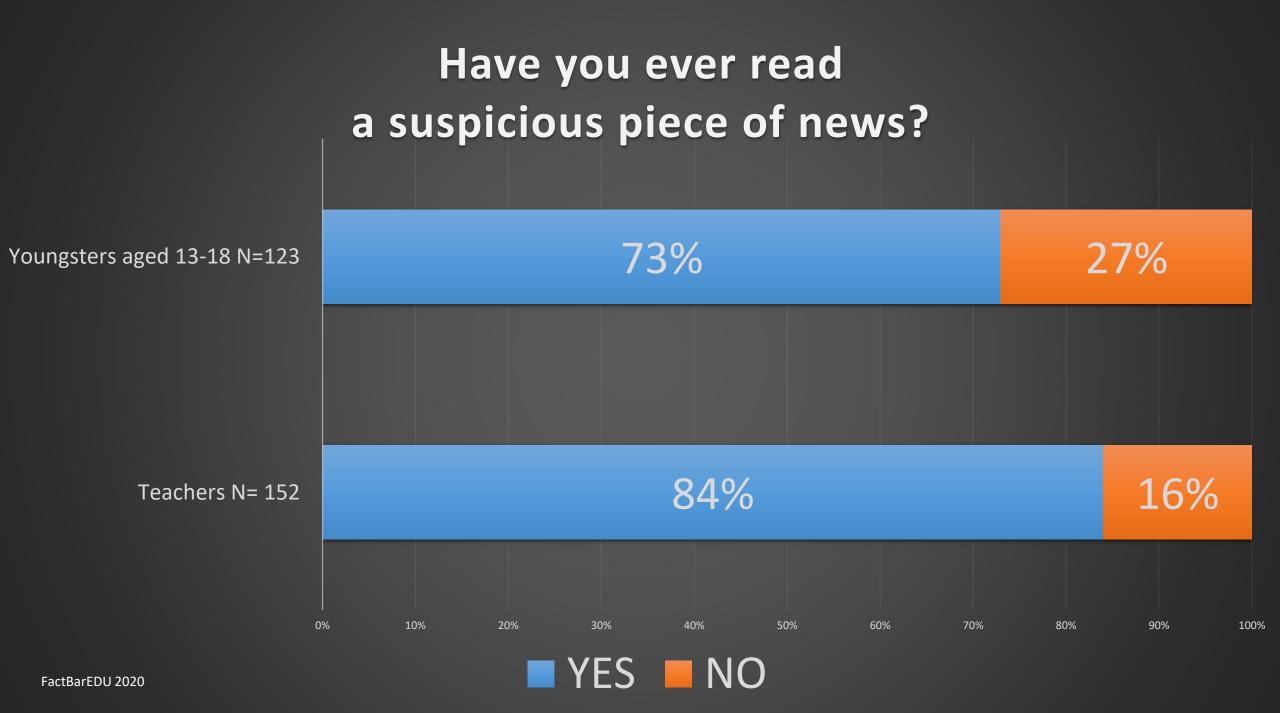
Which social media platforms do you use daily?

35%



Where do you find your daily news?

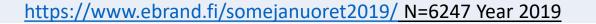




Social media is an essential part of the life of youngsters

Social media services have brought to my life

	Disagree	Agree
Friends	30 %	70 %
Peer support	28 %	72 %
Feeling of togetherness	23 %	73 %
Information on interesting		
subjects	6 %	94 %
Way to spend time	5 %	95 %
Sorrow	47 %	53 %
Happiness	7 %	93 %

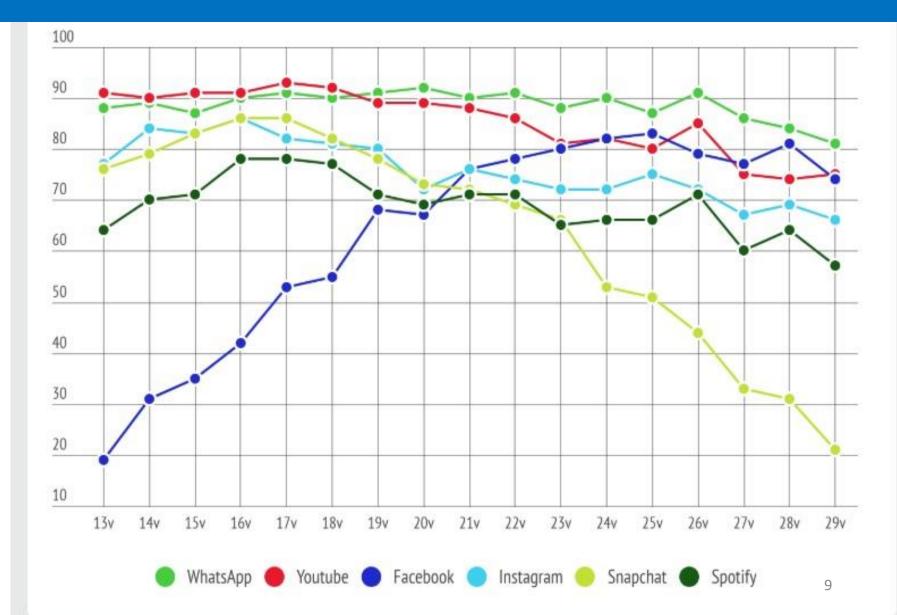




Social media use/scene of youngsters

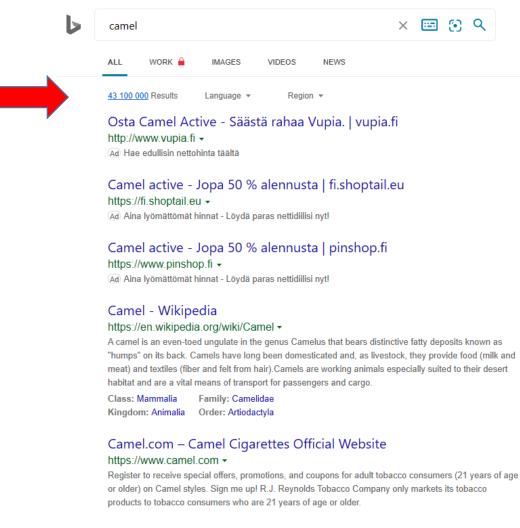
Finnish study on media use of Finnish youngsters aged 13-29 N=6247

- Average use of social media 15 -20 hours weekly mainly during 15-01
- The most popular time is between 18-21.
- The most popular services are WhatsApp, YouTube, Instagram, Snapchat, Spotify and Facebook.



From library instruction to digital information literacy





Amazon price tracker, Amazon price ... - camelcamelcamel.com https://camelcamelcamel.com -

camelcamel: Amazon price tracker, Amazon price history charts, ... Welcome to camel camel camel, a free Amazon price tracker! Our free Amazon price tracker monitors millions of products and alerts you when prices drop, helping you decide when to buy. We help you save money.

Digital information literacy

Digital information literacy can be defined as a set of skills and abilities which everyone needs to undertake information-related tasks; how to discover, access, interpret, analyse, manage, create, communicate, store and share information in the digital enviroment.

- is the ability to think critically and make balanced judgements about any information we find and use - whether or not materials under analysis are valid, accurate, acceptable, reliable, appropriate, useful and/or persuasive.
- empowers us as citizens to reach and express informed views and to engage fully with society

"Every citizen is a creator of information/knowledge and has a message.

They must be empowered to access new information/knowledge and to express themselves. MIL is for all – women and men equally – and a nexus of human rights."

UNESCO 2nd MIL law

See e.g. Information literacy group: https://infolit.org.uk/ILdefinitionCILIP2018.pdf

An information-literate person is able to

- Determine the extent of information needed
- Access the required information effectively and efficiently
- Evaluate information and its sources critically and incorporate selected information into his/her knowledge base and value system
- Use information effectively to accomplish a specific purpose
- Understand many of the economic, legal, and social issues surrounding the use of information, and access and use information ethically and legally

• Susie Andretta, Information Literacy: A practitioner's Guide, Chandos publishing.



Promoting critical thinking skills

- Schools should provide students with media and information literacy skills so that they would be able to make their decisions based on facts - not on disinformation or mal-information.
- Students should learn argumentation and debating skills and to use analytical and critical thinking in practice.
 - to search data and evaluate media sources independently
 - to clarify unclear information and to compare mutually opposed claims about reality and defer to their own judgment when evaluating contradictions



Teacher training

- Teachers should be trained, and they should have tools and methods to deal with digital information disorder.
 - According to our experience, teachers need in-service training to deal with the increase in the quantity of information and diversification of the variety of sources.
 - Besides, the media landscape is reshaping constantly and it has become more and more difficult to distinguish information from disinformation.



Informaatiolukutaito-opas



https://faktabaari.fi/assets/Informaatiolukutaitoopas Faktabaari EDU.pdf

Digital information literacy toolkit elements

- 1. Where do you get your news and information from? Analysing the media environment of teachers and students
- 2. Principles of good and ethical journalism
- 3. Reliability of information
- 4. What is true?
- 5. Science> opinion
- 6. Classification of misleading information Mis-, dis- and malinformation
- 7. Useful checklists
- 8. Confusing contents
- 9. Algorithm awareness search engines and social bubbles
- 10. Tools for verifying the authenticity of the photos and videos
- 11. Privacy and ethical reflection about our digital footprint what do I want others to know about myself?

ETHICAL GUIDELINES FOR JOURNALISTS



A journalist is primarily responsible to the readers, listeners and viewers, who have the right to know what is happening in society...

- The journalist must aim to provide truthful information.
- Information obtained must be checked as thoroughly as possible, including when it has been published previously.
- The public must be able to distinguish facts from opinions and fictitious material. Similarly, photographic and sound material must not be used in a misleading manner
- Information sources must be approached critically. This is particularly important in controversial issues, since the source of the information may be intended for personal gain or to damage others.

Interaction with experts

- The interaction between journalists, media experts and schools is warmly recommended.
 - The basic idea of the Faktabaari EDU project was to adapt the proved fact-checking methods used by professional fact-checkers into the education field.
 - We have organized plenty of workshops, webinars, school visits, etc. to scale up the best practice tools for a larger public.



The upside

How Finland starts its fight against fake news in primary schools

Country on frontline of information war teaches everyone from school pupils to politicians how to spot slippery information

Jon Henley in Helsinki

y @jonhenley

Wed 29 Jan 2020 12.16 GMT

F) 🕑 🖾

You can start when children are very young, said Kari Kivinen. In fact, you should: "Fairytales work well. Take the wily fox who always cheats the other animals with his sly words. That's not a bad metaphor for a certain kind of politician, is it?"

With democracies around the world threatened by the seemingly unstoppable onslaught of false information, Finland - recently rated Europe's most resistant nation to fake news - takes the fight seriously enough to teach it in primary school.

Science > opinion

- Unfortunately, in social media, science and opinion are sometimes equated.
- A scientific theory is not just a matter of opinion but is based on a proven and valid view
- The task of science is to explain the surrounding world and its phenomena.
- Scientific research is the systematic and rational acquisition of new knowledge, but also the building on earlier scientific knowledge and the verification of explanations and predictions.
- Scientific evidence-based policy has been acquired by proven empirical or experimental methods and confirmed or refuted by repeated studies and often authorized by peer review.



Science is the pursuit and application of knowledge and understanding of the natural and social world following a systematic methodology based on evidence.

https://sciencecouncil.org/about-science/our-definition-ofscience/

66



Facing the coronavirus, we must cultivate the best of ourselves and rely on science & education, verify any information and share knowledge.

> Audrey Azoulay UNESCO Director-General



Beware of

false experts

False experts are often used to manipulate information

Their role is to add credibility to a message.

Debunk them! How? Go online, check who that expert is. Is he/she really an expert in this area? Who does he/she represent?







Pseudoscience ≠ science

- We often come across misuse of science pseudoscience.
- Products are marketed with misleading or non-existent references to various studies.
- Social media disseminates articles of scientific quality.
- Particular attention should be taken when reading articles on health and well-being



Infodemic

- With the COVID-19 pandemic, a huge amount of right and wrong information has spread to the world.
- This flood of information is called infodemic.
- Due to the excessive amount of information, it is difficult for people to find reliable information when needed.
- Fact-checkers have been fighting against misand disinformation all around the globe. <u>The</u> <u>CoronaVirusFacts / DatosCoronaVirus Alliance</u> <u>database</u> already contains more than 7.000 coronavirus fact scans.



INFODEMIC

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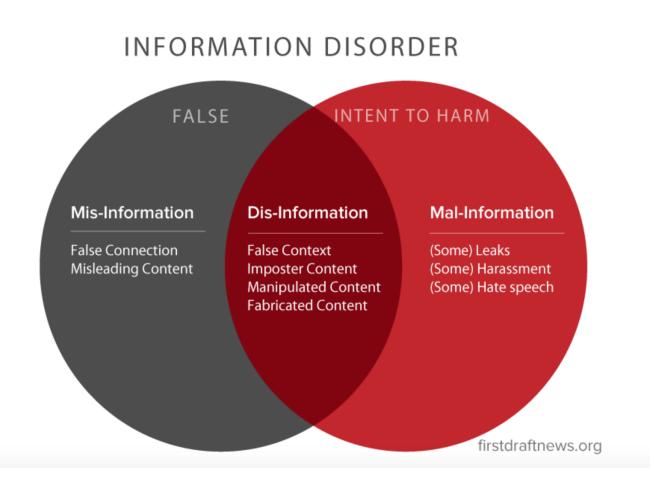
Fact checkers around the world have struggled to combat misinformation. The #CoronaVirusFacts Alliance database already contains over 5,000 coronavirus fact scans.

When you come across a suspicious message or claim, stop for a moment to reflect

- Who is the writer?
 - Is he an expert in the field? Where is it published?
- Why is it done?
 - Does somebody want to influence you in some way?
- What information is it based on?
 - Are there references to sources and sources of information?
 - Can you verify the message information from a trusted source?

You can easily check from the International Fact-Check Databank to see if the same claim has already been factchecked: <u>https://www.poynter.org/ifcn-covid-19-</u> <u>misinformation/</u>

Description of mis-, dis- and mal-information



Mis-information - false information is shared, but no harm is meant.

Dis-information - false information is knowingly shared to cause harm.

Mal-information - genuine information is shared to cause harm, often by moving information designed to stay private into the public sphere.



Traffic lights: true, untrue or "50/50"



• A **true** claim holds true in the context and there are sources to support it. But since fact-checking deals with very specific contexts, the claim can still be untrue in another context.



 An untrue claim is clearly false, i.e. the source material and the expert statements are at odds with it. The claim can be either a deliberate lie or simply a careless slip: fact-checking may not be able to pinpoint the motivation behind the claim.



- A **50/50** claim includes factual information but it cannot be regarded as completely accurate. This is especially common in the case of over-simplified views. For example, if an expert states that the claim cannot be either verified or refuted or that it is considered ambiguous or the source material is conflicting, the verdict is usually 50/50. So it is not a matter of being 'half true', but rather about not being entirely verifiable or certain.
- There are naturally claims that simply cannot be checked or the verification wouldn't be meaningful from the point of view of public debate.

Greta has done her science homework

- February 2019 the Swedish climate activist Greta Thunberg (16) delivered a strong speech in Brussels before EU elections. Thunberg teamed up with IPCC science and scientists and encouraged politicians to take urgent action to combat climate change.
- Thunberg said that politicians should listen to scientists and "follow the Paris agreement and the IPCC reports".
- Her speech contained four sciencebased claims that lasted scrutiny of two independent top scientists Professors Ollikainen (University of Helsinki) and Breyer (LUT University).
- Faktabaari stated: Accurate

https://faktabaari.fi/greta-thunberg-has-done-herscience-homework/



Is there a greater chance of dying by being hit by a bus than by COVID-19?



Posted on 12 November 2020 by FactCheckNI



Fact Check!



Is there a greater chance of dying by being hit by a bus than by COVID-19?

No.

Someone in Great Britain has a 3,000 times greater chance of dying from COVID-19.

FactCheckNI

Think. Check. Share. www.factcheckni.org

CLAIM: There is a greater chance of dying in a bus collision than by COVID-19.

CONCLUSION: INACCURATE. The probability of a randomly selected resident of Great Britain dying from January to October 2020, with COVID-19 mentioned on the death certificate, was over 3,000 times higher than the average probability of dying as a pedestrian in an accident involving a bus or a coach in the same period. CONTINUE READING

Posted in Articles, COVID-19, Fact checks, Health Tagged bus, coronavirus, death, fact check, health





https://factcheckni.org/articles/is-there-a-greaterchance-of-dying-by-being-hit-by-a-bus-than-bycovid-19/#more-16677

FaktaBaari

Simple checklist

It would be good to ask certain questions before liking or sharing a suspicious piece of news:

- Who is the author ?
 - Can you find a name or reliable web address ?
- To whom it is made for?
 - Where has it been published first and to which target audience?
- What does it really say?
 - Is it an advertisement, a piece of news or opinion of someone?
- Why is it made?
 - To whom it is targeted. How did you get it?
- On what information it is based?
 - Can you find references?
- Are pictures authentic?
 - Is there a real link between the title, photo and text?
 - Would it be wise to check the origin of the photo/video?



When to suspect disinformation?

- The message is repeated very often
- There are striking pictures in the message
- The message seeks to elicit a strong emotional response
- The message has strong story elements
- The sources of the message are strange or extraordinary (eg. page metadata leads to a different country than the content of the message suggests)
- Search engines find the same or almost the same message, but with a much older date
- Images related to the message can be found on the web in other contexts with reverse image search
- The person spreading the message is spreading other suspicious content



When to suspect disinformation?



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- There are striking pictures in the message
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- The person spreading the message is spreading other suspicious content

Disinformation awarness

- Most middle school students can't tell native ads from articles.
 - Most students could identify the traditional ad, but more than 80 percent of them believed that the "sponsored content" article was a real news story.

EVALUATING INFORMATION: THE CORNERSTONE

OF CIVIC ONLINE REASONING

RD HISTORY EDUCATION GROUP

PRODUCED WITH THE SUPPORT OF THE ROBERT R. MCCORMICK

EXECUTIVE SUMMARY

- Most high school students accept photographs as presented, without verifying them.
- Many high school students couldn't tell a real and fake news source apart on Facebook.
- Most college students didn't suspect potential bias in a tweet from an activist group.
- Most Stanford students couldn't identify the difference between a mainstream and fringe source.
 - Wineburg, Sam and McGrew, Sarah and Breakstone, Joel and Ortega, Teresa. (2016). Evaluating Information: The Cornerstone of Civic Online Reasoning. Stanford Digital Repository. <u>https://stacks.stanford.edu/file/druid:fv751yt5934/SHEG%20Evaluating%20Information%20Online.pd</u>

Workshop idea 1 Fact-checking process in a school



- Select a claim that you want to check in a group
- 2. Examine the claim using different sources and check the facts
 - Who, where, when and what said?
- 3. Write a fact-checking report based on the discoveries
- Present your findings ("True, "False" or "50/50")
- 5. Publish and share the results, e.g. as a blog text or a presentation paper



Workshop idea 2 – A role game – Pitch with a twist

- 1. Create your own campaign to support something close to your heart or protest against something
- 2. Give a name and slogan to your campaign
- 3. Develop at least 3 statements to support your campaign
- 4. One of claims should be misinformation or disinformation
- 5. Pitch your campaign idea to others (max 2 min)

- Do you recognize the mis- or disinformation the other teams are feeding you?
- Discussion about the exercise.



Confusing information

- **Conspiracy theory** tries often to explain complex issues in a simple way as response to uncertainty. It can be e.g. a belief that an event or situation is the result of a secret plan made by powerful people. Rejects experts and authority.
- **Pseudo science** is a phenomenon very similar to conspiracy theory, but different in that it claims to be science.
- The misleading title is that the title does not match the content. Just effective headlines can lead to effective propagation, or trendsetting, in social media. This is the so-called "Clickbait" when the goal is to get the user to click on a link that does not match the content.

- Incorrect attribution: Shows something that someone hasn't said in the name of someone or entity.
- **Content distortions** include fake or misplaced pictures, stats, videos, recordings, etc.
- **Sponsored content**: Advertising is made to look like editorial
- An echo chamber is about when likeminded people have drifted (online or offline) to talk only to each other.
- **Satire** can embarrass people who confuse the content as true.
- Etc.

propaganda (((P)))	 adopted by governments, corporations and non-profits to manage attitudes, values and knowledge appeals to emotions can be beneficial or harmful 	partisan	 ideological and includes interpretation of facts but may claim to be impartial privileges facts that conform to the narrative whilst forgoing others emotional and passionate language 	IMPACT
clickbait	 eye catching, sensational headlines designed to distract often misleading and content may not reflect headline drives ad revenue 	conspiracy theory	 tries to explain simply complex realities as response to fear or uncertainty not falsifiable and evidence that refutes the conspiracy is regarded as further proof of the conspiracy rejects experts and authority 	neutral low medium
sponsored content	 advertising made to look like editorial potential conflict of interest for genuine news organisations consumers might not identify content as advertising if it is not clearly labeled 	pseudoscience	 purveyors of greenwashing, miracle cures, anti-vaccination and climate change denial misrepresents real scientific studies with exaggerated or false claims often contradicts experts 	high
satire and hoax	 social commentary or humour varies widely in quality and intended meaning may not be apparent can embarrass people who confuse the content as true 	misinformation JUORW YAW	 includes a mix of factual, false or partly-false content intention can be to inform but author may not be aware the content is false false attributions, doctored content and misleading headlines 	 money politics/power humour/fun
error	 established news organisations sometimes make mistakes mistakes can hurt the brand, offend or result in litigation reputable orgs publish apologies 	bogus	 entirely fabricated content spread intentionally to disinform guerrilla marketing tactics; bots, comments and counterfeit branding motivated by ad revenue, political influence or both 	passion(mis)inform

Workshop idea 3 Different types of misleading information

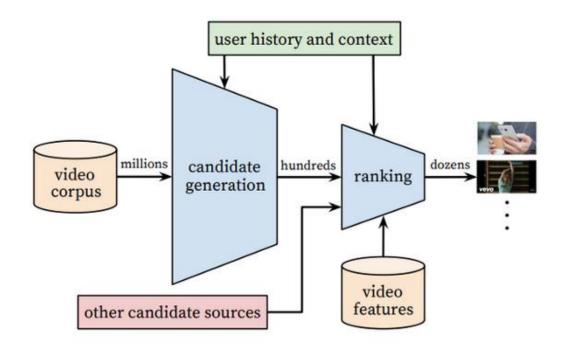
- Choose one type of misleading information, explore it and share your findings with others!
- <u>https://eavi.eu/wp-</u> content/uploads/2017/07 /beyond-fakenews_COLOUR_WEB.pdf



ALGORITHMS SHAPE WHAT WE SEE

- An algorithm is a computer program that does things in a specific order. At their simplest, algorithms make everyday and mechanical work easier, for example, by sorting simple information.
- Social media platforms provide us with targeted information through algorithms
 - In practice, this means that you see different information than everyone else. Facebook, YouTube, Twitter, Instagram and other social media platforms select the content you see based on your profile.
 - YouTube ads, Spotify music recommendations, and Netflix movie suggestions are all based on highly sophisticated algorithms.
 - Search engine results are also based on personal profiling and artificial intelligence-based algorithms that decide on targeted content.
- Algorithms can produce results that people cannot predict.
- Thus, the algorithm / artificial intelligence has the power to choose what kind of information is displayed to each individual and thus influences e.g. citizens' worldview and public opinion.

YouTube recommendations as based on..



Candidate generation network takes events from users YouTube history: number of videos watched, demographic information and search query tokens.

The *ranking network* assigns a score to each video using a 'rich set of features describing the video and user'.

This two-tiered system allows the system to handle millions of videos, but also scale down to individual users and provide them with meaningful content.

<u>https://towardsdatascience.com/using-deep-neural-networks-to-make-youtube-recommendations-dfc0a1a13d1e</u>

Workshop idea 4 Algoritmit & information bubbles

- Choose any word
- Make a search using your favorite search engine
- Compare your results!

Reflections:

- What are the advantages of algorithms?
- What are the possible dangers of them?



Academic search engines

- Refseek academic search engine for students and researchers. <u>http://www.refseek.com/</u>
- Plos peer-reviewed articles are free to access, reuse and redistribute <u>https://www.plos.org/</u>
- Google Scholar academic articles

 not all of them will give you access to the full text https://scholar.google.co.uk/

 DOAJ (Directory of Open Access Journals) <u>https://doaj.org/</u>

Europe PMC

PLOS

- Europe PMC is an open science platform that enables access to a worldwide collection of life science publications and preprints from trusted sources around the globe <u>http://europepmc.org/</u>
- Public Library e-resources Joint your local public library and find out what online resources they have for you to access





Authenticity of the images



- Pictures and videos are now easy to edit.
- Image editing is normally harmless and useful for improving image quality.
- By trimming and editing images and videos, it is also possible to convey distorted information and to be used in misleading contexts.
- Social media nowadays often encounters images that are linked to a click title and texts that have nothing to do with the image.
- Fortunately, various tools have been developed to verify the origin and use of images and videos.

GOOGLE reverse image search – <u>https://google.com</u>

 Select Google Image Search in the top right corner and enter any image or image link in the search box. Google's algorithms quickly search for the context in which an image has been used and suggest similar images.

YANDEX - https://yandex.com/images/

 A Russian site that allows you to find a huge amount of similar images. Particularly good with faces, places and objects!

BING https://images.bing.com

• A specialty of BING is the visual search feature. You can narrow down what you are looking for in the image. This is especially useful if the image contains a lot of "useless" information for the search.

INVID - <u>https://www.invid-project.eu/tools-and-services/invid-verification-plugin/</u>

• INVID provides tools for verifying images and videos. Invid's tools work especially on YouTube, Facebook and Twitter. The downloadable InVID verification plugin to the browser is particularly effective.

Look at the mess today's climate protesters left behind in beautiful Hyde Park



- An estimated 300.000 Australians took part in protests against inaction on the climate emergency.
- Hours later, an Australian pro-coal page reposted the photo. It was captioned: "Look at the mess today's climate protesters left behind in beautiful Hyde Park."
- However, the photo is not from a climate strike, not from Friday and was not taken in Australia. It is from a marijuana-based festival called 420 held in London in April 2019.

Workshop idea 5: How to lie with photos?

Choose one of the exercises. Use image search engines.

- 1. How can you lie with pictures? Can you find any examples?
- 2. The combination of image and text can be misleading. Can you find any examples?
- Make the most clicky news
 possible with a compelling headline and an engaging image



Supermodels apply these three simple tricks to look young. Click to know what they are.

thisimagedoesnotbelongtome.com

And in the next page the answer is...

- 1) Get at least 8 hours of sleep
- 2) Exercise regularly
- 3) Maintain a positive attitude

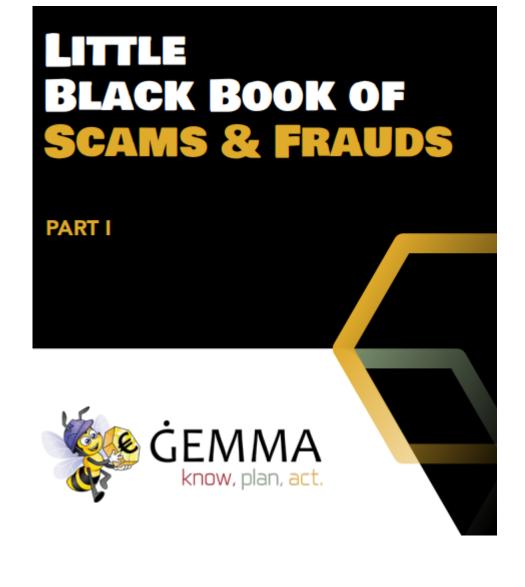
Be careful of on-line scams and frauds

- Online crimes are exploading
 - Rapidly growing market
 - Low investments
 - Very low chance to get caught
- Several countries have centralised the reporting of the online scams

SCAMADVISER

Check the unknown site e.g. with scamadviser before making any purchace!

https://www.scamadviser.com/



<u>https://gemma.gov.mt/wp-</u> <u>content/uploads/2020/05/Little-Black-</u> <u>Book-Of-Scams-and-Frauds-Part-1.pdf</u>

42

Protect yourself!

https://gemma.gov.mt/wpcontent/uploads/2020/05/Little-Black-Book-Of-Scams-and-Frauds-Part-1.pdf

THE 10 COMMANDMENTS TO PROTECT YOURSELF

AGAINST SCAMS AND FRAUD

GEMMA strongly advises you that you follow these '10 Commandments' religiously at all times to protect yourself from scams and fraud:



Watch out for scams.

Scammers target you anytime, anywhere, anyhow.

Do not respond.

Ignore suspicious emails, letters, house visits, phone calls or SMS messages press 'Delete', throw them out, shut the door, or just hang up.

Do not agree to an offer straightaway.

Do your research and seek independent advice if the offer involves significant money, time or commitment - and get the offer in writing.

Ask yourself who you are really dealing with.

Scammers pose as people or organisations that you know and trust.

Do not let scammers push your buttons.

Scammers will play on your emotions to get what they want, including adopting a personal touch.

Keep your

computer secure.

Always update your firewall, anti-virus and anti-spyware software, and buy only from a verified source.

Only pay online using a secure payment service. Look for a URL starting with 'https' and a closed padlock symbol.

Never send money to someone you do not know and trust.

It is rare to recover money from a scammer.

Protect your identity.

Your personal details are private and invaluable; keep them that way and away from scammers.

If you have spotted a scam, spread the word.

Tell your family and friends, and report it to scams.ccd@gov.mt 43

Digital footprint

- All Internet users have a digital footprint.
- A passive digital footprint is a data trail you unintentionally leave online (IP-address, webserver, service provider, your location, etc)
- An active digital footprint is all the data that you intentionally submit online (emails, social media posts, tweets, etc).
- Once data has been shared online – you might not be able to remove it from the Internet.

WHAT DATA DO INTERNET PROVIDERS COLLECT FROM YOU WHEN YOU BROWSE ONLINE?

Internet providers can collect your data without you being aware, sometime to improve your user experience, sometime to sell them to advertisers, and let them know:

🤝 Who you are

- Vhere you have been
- Who you have been talking to, and
 What you are interested in

Sweden Sverige milclick

MIL Footprint 🏞 Reviewing your digital footprints for MIL footprints

#MILCLICKS

Manage your privacy settings

Cookies store plenty of information about you. They

- store your login state
- store preferences on websites
- allow websites to provide personalized content

Websites use cookies to remember and identify you.

Tracking cookies are used to track you across the web to target ads to you

Manage your online choices

<u>https://www.youronlinechoices.com/</u>

Google has a good collection of information about you.

 Check your datapoints with <u>https://adssettings.google.com/</u>

RESOURCES



Image created with https://wordart.com/

🔅 🛛 First Draft - Basic Toolkit

First draft basic toolkit

First draft has created a dashboard with a collection of useful tools, readings and resources to get you started.

you can find the advanced toolkit at the bottom left of this dashboard.

- <u>https://start.me/p/vjv80b/f</u> <u>irst-draft-basic-toolkit</u>
- <u>https://firstdraftnews.org/t</u> <u>raining/</u>

O How to use this dashboard	O Verifying Images - Reverse Image	💟 Twitter
This is a collection of tools, readings and resources to get you and your newsroom started with online social newsgathering, verification and responsible reporting. You can also find the advanced toolkit at the bottom of this dashboard.	 Google Images Search RevEye - Reverse Image Search TinEye - Reverse Image Search BING - visual search Reverse Image Search (@SearchBy 	 Tweetdeck Twitonomy Followerwonk TweetBeaver Twitter List Copy Trendsmap
What are the tools for?	Verifying images - Exif/metadata	
Hover over any of the tools to get a more detailed description of why they might be useful for you.	 R Jeffrey FriedI's Image Metadata Viewer ✓ View Exif data online, remove Exif o 	Facebook CrowdTangle Search CrowdTangle x Investigation Resour
Stay updated		f US Politics CT Live Displays
Keep up to date with new trends, tools,	Verifying Video	
and resources by following us on Twitter and Instagram at <u>@firstdraftnews</u> or more training resources at www.firstdraftnews.org/training	 Fake video news debunker by InVID Reuters course - Manipulated Media Amnesty Youtube data viewer 	 Instagram Instagram Web Viewer Pikdo.info
Got a new tool you'd like to share with	9 Geolocation	
us? Email <u>training@firstdraftnews.com</u>	 Google Earth Wikimapia OpenStreetMap 	 TikTok How to Use TikTok TikTok OSINT tool
Resources	G Google Maps 😵 Baidu - 百度地图	 Researching OSINT - TIKTOK Tikster - Online viewer
READING - Fake news. It's complica		Tiktoka.com - Online viewer
READING - How to label misleading i	Ad Transparency	How TikTok's 'For You' Algorithm Wo
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NL RESEARCH - on fake news and fact O PODCAST - Why Facts Don't Alway	Investigating websites	 hunter.io https://www.social-searcher.com/
 The ABC of disinformation MediaWell Reading list Reporting in an era of disinformation 	 domainbigdata ViewDNS.info 	WebMii

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- UNESCO: Media and information literacy curriculum for teachers in different languages
- <u>http://www.unesco.org/new/en/communication-and-information/resources/publications-and-communication-materials/publications/full-list/media-and-information-literacy-curriculum-for-teachers/</u>
- UNESCO: Five Laws of Media and Information Literacy
- <u>http://www.unesco.org/new/en/communication-and-information/media-development/media-literacy/five-laws-of-mil/</u>

...

Global Media and Information Literacy Week 2019



MIL Citizens: Informed, Engaged, Empowered

Worldwide, 24-31 October



- Together with <u>@UNESCO</u> Twitter developed a handbook to help educators empower youth with the digital skills they need to critically analyse news they engage with online!
- <u>https://about.twitter.com/content/dam/about-</u> <u>twitter/values/twitter-for-good/en/teaching-learning-</u> <u>with-twitter-unesco.pdf</u>

Teaching and Learning with Twitter



ACT Journal on Information Disorder is out soon!



https://www.teachingcitizenship.org.uk/journals Issue 51



Information Disorder:

Teaching critical media literacy and citizenship in a digital age



In this edition:

AUX OF A LOCAL DIST.

Expert briefings on digital media and citizenship, teacher case studies of what works, practical ideas and resources for improving practice. Plus reviews and networking opportunities.



Journal of the Association for Citizenship Teaching www.teachingcitizenship.org.uk

DigCompEdu The European Framework for the Digital Competence of Educators

• Welcome to the DigCompEdu Check-In

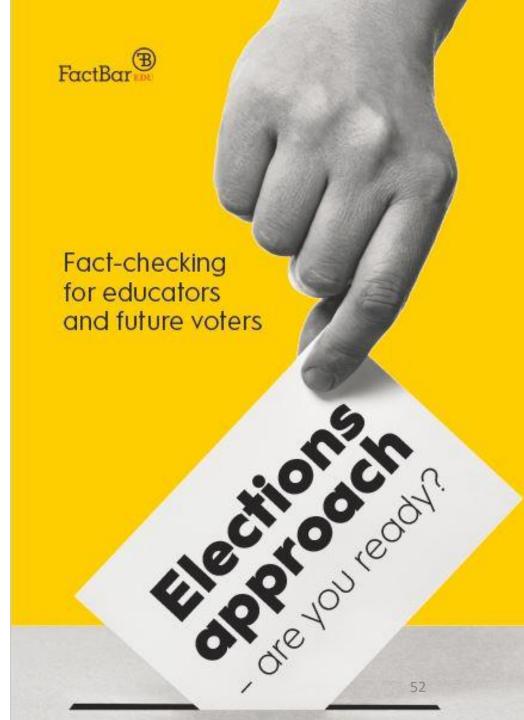
Learn more about your personal strengths and the areas where you can enhance the ways in which you use digital technologies for teaching and learning. Answer the 22 questions of this self-assessment to receive detailed **feedback** with useful **tips** and the **key milestones** on your personal roadmap to innovating teaching.

This tool will help you to reflect on your digital competence as an **academic** teaching in **higher and further education**.

- If you work in primary, secondary or initial vocational education and training, we recommend that you use the following version of the tool: <u>https://ec.europa.eu/eusurvey/runner/DigCompEdu-S-EN</u>
- If you work in adult education or provide continuous professional development, we recommend that you use the following version of the tool: <u>https://ec.europa.eu/eusurvey/runner/DigCompEdu-A-EN</u>
- Please note that, by using this tool, you agree to <u>EUsurvey's rules on data protection</u>.

Voter literacy

- Faktabaari has co-created with teachers a simplified version of its fact-checking methodology for educators in 2019.
- It encourages critical thinking and participation for fact-based public debate and to resist disinformation.
- The method is compatible with IFCN code and "information disorder" vocabulary and ideally adaptable.
- It brings fact-checking and media literacy communities together for apparent synergies.
- The toolkit for educators include examples to inspire, create and share new lesson plans.
- <u>https://faktabaari.fi/assets/FactBar_EDU_Fact-</u> <u>checking_for_educators_and_future_voters_13112018.pdf</u>





When is there a reason to suspect disinformation?



- The message is repeated very often
- There are striking pictures in the message
- The message seeks to elicit a strong emotional response
- The message has strong story elements
- The sources of the message are strange or extraordinary (eg page metadata leads to a different country than the content of the message suggests)
- Search engines find the same or almost the same message, but with a much older date
- Images related to the message can be found on the web in other contexts with reverse image search
- The person spreading the message is spreading other suspicious content

Dis-information is false information which is knowingly shared to cause harm.



Information disorder



Mis-information- false information is shared, but no harm is meant.



Dis-information - false information is knowingly shared to cause harm.

Mal-information - genuine

information is shared to cause harm, often by moving information designed to stay private into the public sphere.

The foregoing categorisation is not exhaustive but it is a more analytical and to the purpose than the somewhat harmful 'fake news' tag. The widespread use of this tag usually sparks needless distrust even towards responsible, fact-based journalism.



How to check the authenticity of the images!

Pictures and videos are now easy to edit and modify

- Often, image editing is harmless and useful for improving image quality.
- By trimming and editing images and videos, it is also possible to convey distorted information and to be used in misleading contexts.
- Social media nowadays often encounters images that are linked to a click title and texts that have nothing to do with the image.
- Various tools have been developed to verify the origin, authenticity, and use of images and videos

GOOGLE reverse image search- https://google.com

 In the top right corner of your browser, select Google Image Search and enter any image or image link in the search box. Google's algorithms quickly search for the context in which the image was used and suggest similar images.

YANDEX - https://yandex.com/images/

 A Russian site that allows you to find faces, places and objects in addition to similar images..

BING https://images.bing.com

A specialty of BING is the visual search feature. Below the image you
want to search, you can narrow down what you are looking for in the
image. This is especially useful if the image contains a lot of "useless"
information for the search.

INVID - https://www.invid-project.eu/tools-and-services/invidverification-plugin/

 INVID, a French company, provides tools for verifying images and videos. Invid's tools work especially on YouTube, Facebook and Twitter. The InVID verification plugin downloadable to the browser is particularly effective.







More: <u>www.faktabaari.fi/edu</u> <u>kari@kivinen.net</u>

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(B) FactBaredu

www.faktabaari.fi