



DEVELOPING DIGITAL DATA LITERACY

Learn more!

1. What are cookies?

D3 - A project to integrate open data, digital skills & democratic engagement in schools



open data charter

KA2 - 2019-1-BE02-KA201-060212



What are cookies?



When you navigate the Web, you are exposed to a series of laws and regulations linked to browser cookies.

Before accepting them, you should understand what cookies are and how they can influence your online activity and privacy.



What are cookies?

- Small text files on your hard drive created by the web pages you visit, that looks like a sequence of numbers.
- **Aim:** track, personalise and save information about your online session, i.e. recognise users' login information and preferences; customise advertising; tracking items previously searched to create shopping carts and suggest similar goods.
- They inform the server that the requests come from the same computer → They can be compared to getting a ticket for a coat check: you leave your coat to the desk; you receive your ticket identifying you; when you come back, you can take back your coat with your ticket.





What are cookies?

- Often at the centre of discussions about privacy violations, as they may allow data aggregation to track your online activity and contribute to the creation of precise user profiles.
- According to the EU directive on HTTP, a website can grab information on a visitor only after his/her consent.
- If you wish to remove your cookies, you can usually choose the options that best meet your needs.



Discover more:

- [EU cookies Laws](#)
- [Allow cookies](#)
- [Turn cookies on/off](#)
- An ultimate [guide](#) for using cookies:



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2. Synchronous or Asynchronous?

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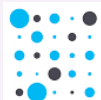
Synchronous online learning

Advantages	Disadvantages
<ul style="list-style-type: none">• Classroom engagement: keeps much of the personal involvement of the classroom• Dynamic learning: more active exploration of topics, ideas, concepts• Instructional depth: regular and frequent interactions between teachers and peers	<ul style="list-style-type: none">• Rigid schedule• Technical difficulties: e.g. poor internet connection, old hard drives, dying batteries



Asynchronous online learning

Advantages	Disadvantages
<ul style="list-style-type: none">• Flexibility: materials are generally available within a set period• Pacing: you can choose the pace of learning according to your needs• Affordability	<ul style="list-style-type: none">• Isolation: social media and emails cannot replace real-time interactions• Risk of apathy: without immediate feedback and clearly stated expectations, learning can become demotivating





DEVELOPING DIGITAL DATA LITERACY

What did the COVID-19 virus teach us about how to plan classes?





Blended learning

Educational approach combining online educational materials and digital interaction with traditional classroom-based methods.

Six main types, not mutually exclusive:

- 1. Face-to-face**
- 2. Rotation:** alternation of traditional and online learning
- 3. Flex:** online instructions, with on-site support
- 4. Online Lab:** online classroom supervised by the teacher
- 5. Self-blend:** students can deepen their knowledge through online learning
- 6. Online Driver:** online instructions with some interventions by the instructor





Blended learning

Here are some instruments for blended learning:

- [TedEd](#)
- [Google Classroom](#)
- [VideoNotes](#)
- [Blendspace](#)
- [Teachem](#)





Blended learning

Advantages

Individualised support	Teachers have the chance to monitor their students paying more attention to individual cases
Flexibility of learning	Space and time limits can be overcome, leaving more freedom for students to organise their learning
Personalised solutions	Students can cultivate their interests at their own pace, through scholarly libraries, online essays databases and other innovative materials,
Greater interaction	Collaboration between peers and tutors is enhanced thanks to the use of different communication tools, i.e. emails, instant messaging, drop boxes
Easier data tracking	Specific software can facilitate the analysis of student data, allowing parents and teachers to maintain better control
Cost-effective	Reduction of movements and printed materials



Blended learning

Disadvantages

Need of proper technological literacy: if not used properly, technology can become a challenge, posing significant barriers for teachers and students.

Time-consuming: it may require additional work to select the most suitable syllabus and create a proper balance between remote and face-to-face learning.

Digital Divide: Still many students lack proper technological equipment

Reliability of sources and plagiarism



Blended learning

- Try other alternative tools for blended learning on [AlternativeTo](#) website – 30 minutes