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**National strategy**

The [ministry of Education, Children and Youth](https://ec.europa.eu/social/main.jsp?langId=en&catId=2324&pgId=conference) has launched the national strategy [Digital (4) Education](https://digital4education.ec.europa.eu/). The strategy aims at enabling students to develop the skills necessary for the appropriate and responsible use of ICTs and at promoting innovative pedagogical projects using digital technology in schools.

The Digital (4) Education strategy defines educational challenges which are to:

- Give all students equal access to ICT tools and use the potential of ICT to address the different needs of students
- Promote the use of ICT in education (formal & non-formal) and integrate ICT-related skills into the curriculum
- Contribute to a national effort and adapt the education system to the demands of the labour market
- Develop and strengthen skills in the following fields: communication, collaboration, creativity, well-being, understanding the world and the society and critical thinking.

The Digital (4) Education strategy is built around [five dimensions](https://digital4education.ec.europa.eu/), for which specific projects are developed to ensure that the participating schools have the necessary tools (software, hardware, teaching resources, teaching scenario, digital learning environments, etc.) to create learning situations that promote the development of 21st century skills.
The **five dimensions** and the corresponding objectives are:

1. **Digital Citizen**: prepare students and future citizens to live in a world where technologies play an ever-increasing role
2. **Digital Peer**: promote a secure and responsible use of ICT technologies
3. **Digital Learner**: provide teachers and pupils with the necessary resources (learning tools, software, multimedia resources, etc.) to create appropriate learning situations
4. **Digital Worker**: give young people the skills required to manipulate the basic technological tools (preferably in a 'cloud' environment) in their daily working lives in order to be creative and productive
5. **Digital Entrepreneur**: make available specific places, called 'Maker-space', where initiatives and activities can be organized that encourage young people to take a look at various technologies and to supply the digital economy with specialists.

**BEE SECURE** [3] is a national initiative that specifically addresses media literacy and the safe use of new media by young people in Luxembourg.

Introduced in 2010, **BEE SECURE** aims to promote information security and the safe use of networked devices among the general public in Luxembourg, with a special focus on children, youth, parents, teachers, educators and senior citizens. As a national centre of competence and excellence in information safety, **BEE SECURE** supports the implementation of the country's strategy for information safety and security.

**BEE SECURE** is a common initiative of the ministry of the Economy, the ministry of Education, Children and Youth and the ministry of Family Affairs and Integration. An advisory board, which has a consultative function, is composed of different stakeholders from policy, practice, research and economy. **BEE SECURE** is operated by three complementary partners: **National Youth Service** [4], **KannerJugendTelefon** [5] (KJT), **Securitymadein.lu** [6] (SMILE g.i.e.) with the following roles and functions:

- The **National Youth Service** is in charge of the coordination of **BEE SECURE**
- The **KJT** runs the **BEE SECURE** Helpline for the same target groups including educators and the general public. KJT also operates the 'BEE SECURE Stopline', a website for reporting illegal activities
- **Securitymadein.lu** [6] (SMILE g.i.e.) is an economic interest group owned by the ministry of the Economy, the ministry of Education, Children and Youth and the ministry of Family Affairs; the Intermunicipal Association of Information Management (SIGI;Syndicat Intercommunal de Gestion Informatique) and the Association of Towns and Municipalities (SYVICOL;Syndicat des Villes et Communes luxembourgeoises). SMILE g.i.e. has strong ties to the information technology area.

To ensure high quality trainings, the research department of the University of Luxembourg regularly surveys the satisfaction of both trainers and their audience. According to an analysis of the 2014/15 school year, teachers (N=665) rated the effectiveness and execution of the training programmes in class as good or very good. The teachers who had participated in a **BEE SECURE** training programme showed a higher interest in integrating media education into their courses. At the same time, students showed a strong interest in the topics discussed in class and stated they could easily understand the training content. **BEE SECURE** trainers were satisfied with the students' level of knowledge and discipline and the overall dynamics in class (**BEE SECURE, 2017** [7]).
Media literacy and online safety through formal education

Media literacy and online safety are part of the school curriculum. A separate training programme on media literacy and online safety is offered by trainers of the BEE SECURE initiative. It is mandatory for all 7th grade classes in secondary schools in Luxembourg.

Training sessions are also offered to other primary and secondary school classes, as well as to parents, teachers and any other group upon request (youth centres, senior citizen clubs and local initiatives). The contents and topics of the sessions are always determined according to the target audience and situation.

Luxembourg is the only country in Europe that has established mandatory training on safer Internet use within the education system. The training programmes are financed by the ministry of Education, Children and Youth. The National Youth Service is in charge of all organisational aspects, trainer coordination and school appointments, as well as evaluation of the training courses. All BEE SECURE trainers work under the label 'BEE SECURE Trainer', devised in 2012, which helps to monitor the quality of the offered training and ensures a high level of excellence. The 'BEE SECURE for schools' training programmes (such as all other programmes) aim to encourage positive, responsible and safe Internet usage among students. Overall, the training communicates three fundamental messages:

1. The Internet is not magic – it is a technical infrastructure
2. The Internet never forgets
3. You are the only one who can protect yourself.

The web page [bee-secure.lu](http://bee-secure.lu) provides comprehensive information, pedagogical tools and support for teachers, parents, young people and any other interested persons. Offers include e.g. online tests (password security test, cyberbullying test), videos, guidelines on Internet security and a glossary.

The [Centre for Political Education](http://www.zpb.lu) (ZpB; Zentrum fir politesch Bildung) also promotes media literacy by different projects (e.g. [Concours Jeune Journaliste](http://www.zpb.lu/concours-jeune-journaliste)).

Promoting media literacy and online safety through non-formal and informal learning

Promoting media literacy and online safety through non-formal and informal learning is organised within the framework of the BEE SECURE initiative. BEE SECURE offers various training opportunities for youth workers and youth leaders on request, according to their specific needs and objectives.

The [pedagogical guidelines for youth centres](http://www.bee-secure.lu/safe-internet-in-the-youth-centres) are one main element. These guidelines include a charter on best practice with regard to online safety and also pedagogical tools for youth workers.

Raising awareness about the risks posed by new media

BEE SECURE is in charge of raising awareness about the risks posed by new media. The web page [www.bee-secure.lu](http://www.bee-secure.lu) is an important platform where information about the risks posed by new media are made available to young people, parents and youth workers. BEE SECURE also distributes leaflets and posters in order to raise awareness about the risks related to new media.

BEE SECURE organises different campaigns, such as ‘SHARE RESPECT - Stop Online Hate Speech’. The objective of this campaign is to educate and raise awareness among children and youth (as well as among an older audience) as to how the term 'hate speech' could be defined on the conceptual level, how to recognise hate speech and distinguish it from freedom of expression, why it...
is important to fight against it and, finally, how all actors (offenders, victims, third parties, website administrators, etc.) can handle this subject in a definite way.

The campaign 'CLEVER CLOUD USER (2015/16)' informs citizens about the cloud, including relevant technology, legal implications, positive factors and risks - with specific focus on the protection of private data.

There are two hotlines, operated by the KannerjugendTelefon (BEE SECURE, 2017 [7]):

1. **BEE SECURE Stopline**: citizens can anonymously report suspicious content, such as child sexual abuse material, racism, revisionism, discrimination and/or terrorism. In 2018, the BEE SECURE Stopline registered a total of 2047 links containing child sexual abuse material. 372 of these links were classified as illegal by the BEE SECURE Stopline. The Stopline received a total of 122 links containing racist, revisionist and discriminatory content. 68 of these links were classified as illegal by the BEE SECURE Stopline team. The majority of these links consist of posts and comments on social media, which demonstrates the importance of a major public campaign like ‘SHARE RESPECT – Stop Online Hate Speech’

2. **BEE SECURE Helpline** mainly targets children, youth and their parents and offers information, advice and help on ICT-related topics. These topics include computer protection, Internet fraud, social networks, privacy rights, technical safety and cyberbullying. Callers can remain anonymous while talking to pedagogues and psychologists who are also experts in the field of information security. In 2016, the Helpline received a total of 287 calls (293 in 2015; 226 in 2014) and 512 online requests via the online form.

BEE SECURE organises and hosts different events (BEE SECURE, 2018 [13]):

- **'Safer Internet Day'**, titled 'Create, connect and share respect. A better internet starts with you!' in 2018: the goal of this event is to raise Internet users' awareness of problems related to digital communication
- **Digital Privacy Salons**: skill & knowledge sharing sessions which aim at teaching people the basic ways of protecting themselves and their data from intrusive surveillance
- **'DigiRallye'**: a rich journey of discovery through the Internet world. More than 200 children of 'Maison Relais' around the country will participate in this event.