Appendix 1: Online harms and risks – curriculum coverage

[This table contains information from the DfE's 'Teaching online safety in schools' guidance about areas of online risk that should be taught to pupils]

Subject area	Description and teaching content	Curriculum area the harm or risk is covered in
How to navigate the internet and manage information		
Age restrictions	Some online activities have age restrictions because they include content which is not appropriate for children under a specific age. Teaching includes the following: • That age verification exists and why some online platforms ask users to verify their age • Why age restrictions exist • That content that requires age verification can be damaging to under-age consumers • What the age of digital consent is (13 for most platforms) and why it is important	This risk or harm is covered in the following curriculum area(s): • Health education • Computing curriculum
How content can be used and shared	Knowing what happens to information, comments or images that are put online. Teaching includes the following: • What a digital footprint is, how it develops and how it can affect pupils' futures • How cookies work • How content can be shared, tagged, and traced • How difficult it is to remove something once it has been shared online	This risk or harm is covered in the following curriculum area(s): • Relationship's education • Health education • Computing

Disinformation, misinformation, and hoaxes	Some information shared online is accidentally or intentionally wrong, misleading, or exaggerated. Teaching includes the following: • Disinformation and why individuals or groups choose to share false information to deliberately deceive • Misinformation and being aware that false and misleading information can be shared inadvertently • Online hoaxes, which can be deliberately and inadvertently spread for a variety of reasons • That the widespread nature of this sort of content can often appear to be a stamp of authenticity, making it important to evaluate what is seen online • How to measure and check authenticity online • The potential consequences of sharing information that may not be true	This risk or harm is covered in the following curriculum area(s): • Relationship's education • Health education • [KS2 and above] Computing curriculum
Fake websites and scam emails	Fake websites and scam emails are used to extort data, money, images and other things that can either be used by the scammer to harm the person targeted or sold on for financial, or other, gain. Teaching includes the following: • How to recognise fake URLs and websites • What secure markings on websites are and how to assess the sources of emails • The risks of entering information to a website which is not secure • What pupils should do if they are harmed/targeted/groomed as a result of interacting with a fake website or scam email • Who pupils should go to for support	This risk or harm is covered in the following curriculum area(s): • Relationships education • Computing curriculum
Online fraud	Fraud can take place online and can have serious consequences for individuals and organisations. Teaching includes the following: • What identity fraud, scams and phishing are • That children are sometimes targeted to access adults' data • What 'good' companies will and will not do when it comes to personal details	This risk or harm is covered in the following curriculum area(s): • Relationship education • Computing curriculum
Password phishing	Password phishing is the process by which people try to find out individuals' passwords so they can access protected content. Teaching includes the following: • Why passwords are important, how to keep them safe and that others might try to get people to reveal them • How to recognise phishing scams	This risk or harm is covered in the following curriculum area(s): • Relationship education

	• The importance of online security to protect against viruses that are designed to gain access to password information • What to do when a password is compromised or thought to be compromised	
Personal data	Online platforms and search engines gather personal data – this is often referred to as 'harvesting' or 'farming'. Teaching includes the following: • How cookies work • How data is farmed from sources which look neutral • How and why personal data is shared by online companies • How pupils can protect themselves and that acting quickly is essential when something happens • The rights children have with regards to their data • How to limit the data companies can gather	This risk or harm is covered in the following curriculum area(s): • Relationship education • KS 2 Computing curriculum
Persuasive design	Many devices, apps and games are designed to keep users online for longer than they might have planned or desired. Teaching includes the following: • That the majority of games and platforms are designed to make money – their primary driver is to encourage people to stay online for as long as possible • How notifications are used to pull users back online	This risk or harm is covered in the following curriculum area(s): • Health education • Computing curriculum
Privacy settings	Almost all devices, websites, apps and other online services come with privacy settings that can be used to control what is shared. Teaching includes the following: • How to find information about privacy settings on various devices and platforms • That privacy settings have limitations	This risk or harm is covered in the following curriculum area(s): • Relationship education • Computing curriculum
Targeting of online content	Much of the information seen online is a result of some form of targeting. Teaching includes the following: • How adverts seen at the top of online searches and social media have often come from companies paying to be on there and different people will see different adverts • How the targeting is done • The concept of clickbait and how companies can use it to draw people to their sites and services	This risk or harm is covered in the following curriculum areas: • Health education • Computing curriculum

	How to stay safe online	
Online abuse	Some online behaviours are abusive. They are negative in nature, potentially harmful and, in some cases, can be illegal. Teaching includes the following: • The types of online abuse, including sexual harassment, bullying, trolling and intimidation • When online abuse can become illegal • How to respond to online abuse and how to access support • How to respond when the abuse is anonymous • The potential implications of online abuse • What acceptable and unacceptable online behaviours look like	This risk or harm is covered in the following curriculum area(s): • Relationship education • Health education • Computing curriculum
Challenges	Online challenges acquire mass followings and encourage others to take part in what they suggest. Teaching includes the following: • What an online challenge is and that, while some will be fun and harmless, others may be dangerous and even illegal • How to assess if the challenge is safe or potentially harmful, including considering who has generated the challenge and why • That it is okay to say no and to not take part in a challenge • How and where to go for help • The importance of telling an adult about challenges which include threats or secrecy – 'chain letter' style challenges	This risk or harm is covered in the following curriculum area(s): • Relationship education • Health education
Grooming	Knowing that violence can be incited online and escalate very quickly into offline violence. Teaching includes the following: • That online content (sometimes gang related) can glamorise the possession of weapons and drugs • That to intentionally encourage or assist in an offence is also a criminal offence • How and where to get help if they are worried about involvement in violence At all stages, it is important to balance teaching pupils about making sensible decisions to stay safe whilst being clear it is never the fault of the child who is abused and why victim blaming is always wrong.	This risk or harm is covered in the following curriculum area(s): • Relationship education

Live streaming	Live streaming (showing a video of yourself in real-time online either privately or to a public audience) can be popular with children, but it carries a risk when carrying out and watching it. Teaching includes the following: • What the risks of carrying out live streaming are, e.g., the potential for people to record livestreams and share the content • The importance of thinking carefully about who the audience might be and if pupils would be comfortable with whatever they are streaming being shared widely • That online behaviours should mirror offline behaviours and that this should be considered when making a livestream • That pupils should not feel pressured to do something online that they would not do offline • Why people sometimes do and say things online that they would never consider appropriate offline • The risk of watching videos that are being livestreamed, e.g., there is no way of knowing what will be shown next • The risks of grooming	This risk or harm is covered in the following curriculum area(s): • Relationship education
Pornography	Knowing that sexually explicit material presents a distorted picture of sexual behaviours. Teaching includes the following: • That pornography is not an accurate portrayal of adult sexual relationships • That viewing pornography can lead to skewed beliefs about sex and, in some circumstances, can normalise violent sexual behaviour • That not all people featured in pornographic material are doing so willingly, i.e. revenge porn or people trafficked into sex work	This risk or harm is covered in the following curriculum area(s): • RSE
Unsafe communication	Knowing different strategies for staying safe when communicating with others, especially people they do not know or have not met. Teaching includes the following: • That communicating safely online and protecting your privacy and data is important, regardless of who you are communicating with • How to identify indicators of risk and unsafe communications • The risks associated with giving out addresses, phone numbers or email addresses to people pupils do not know, or arranging to meet someone they have not met before • What online consent is and how to develop strategies to confidently say no to both friends and strangers online	This risk or harm is covered in the following curriculum area(s): • Relationship education • [Secondary schools] RSE • Computing curriculum

	Wellbeing	
Impact on confidence (including body confidence)	Knowing about the impact of comparisons to 'unrealistic' online images. Teaching includes the following: • The issue of using image filters and digital enhancement • The role of social media influencers, including that they are paid to influence the behaviour of their followers • The issue of photo manipulation, including why people do it and how to look out for it	This risk or harm is covered in the following curriculum area(s): • RSE
Impact on quality of life, physical and mental health and relationships	Knowing how to identify when online behaviours stop being fun and begin to create anxiety, including that there needs to be a balance between time spent online and offline. Teaching includes the following: • How to evaluate critically what pupils are doing online, why they are doing it and for how long (screen time) • How to consider quality vs. quantity of online activity • The need for pupils to consider if they are enjoying being online or just doing it out of habit due to peer pressure or the fear or missing out • That time spent online gives users less time to do other activities, which can lead some users to become physically inactive This risk or harm is covered in the following curriculum area(s): • Health education • The impact that excessive social media usage can have on levels of anxiety, depression, and other mental health issues • That isolation and loneliness can affect pupils and that it is very important for them to discuss their feelings with an adult and seek support • Where to get help	This risk or harm is covered in the following curriculum area(s): • Health education
Reputational damage	People can often behave differently online to how they would act face to face. Teaching includes the following: • How and why people can often portray an exaggerated picture of their lives (especially online) and how that can lead to pressures around having perfect/curated lives • How and why people are unkind or hurtful online when they would not necessarily be unkind to someone face to face	This risk or harm is covered in the following curriculum area(s): • PSHE • RSE

Suicide, self-harm and eating disorders	Pupils may raise topics including eating disorders, self-harm and suicide. Teachers must be aware of the potential risks to pupils exposed to these topics and this should be recoded and reported to a line manager or the DSL, who will follow procedures to safeguard the pupil.	This risk or harm is covered in the following curriculum • Digital online safety