

Mendell Primary School

Aspire Challenge Achieve



Medium Term Plan Design Computing

Year Group: 6	Terr 202	<mark>m:</mark> Autumn #1 1	Teacher: Dionne Sinatti and Sarah Wearing		Subject lead: Justin Cowley	programmin	ship (Personal and private information)		
Links to other learning: PHSC	CE In Y used even cond toge crea	0	Future Learning: In Y7	Risk Asso Safeguar	essment: rding			Teacher CPD: Please read the CEOP online safety toolkit prior to the lessons.	
Learning Intention	<u>Real</u> <u>Life</u> <u>Links</u>	Digital Citizenshin	<u>(Ke</u>		<u>Outline</u> ns in colour)		Resources	Vocabulary	Lowest 20% Adaptations
3 understand the difference between personal and private information. - I know the dangers of sharing private information online	the see? difference between personal and private information. - I know the dangers of sharing private information. - I know the dangers of sharing private information O Social networking sites O Youth discussion sites o Game sites				kinds of user ask the students to	show video	 thief steals someone's private information in order to pretend to be that person. Personal Information - Information that is about you, but can't be used to identify you. Private Information - Information that can be used to identify you. Register (Online) - To enter your information in order to sign up and get access to a website. 		

 First name, username, password, password hint, 	gender, the state you live in parent's permission					
	distinguish one person from another. Or perhaps					
	 What information is optional? Why do you think it is optional? 					
• Parent's email, birthday, state, country, gender, e						
• Why do you think websites ask for this kind of information?						
 They want to get people to pay in order to use th are signing up, or they want to try to sell things to 	• They want to get people to pay in order to use the site, they want to send messages to people who are signing up, or they want to try to sell things to those people. Point Out that you do not have to fill out fields on websites if they are not required. Required fields are usually marked by					
Explain to the children that some kinds of information are generally saf However, the information that's considered safe should not be shared o know offline. Define:						
 Personal Information: Information that can't be used to ider 	atify you					
 Private Information: Information that is about you and can be Emphasize that personal information is usually safe to share online. Prive meaning students should get permission from a parent or guardian before Share the following examples of information that is safe or unsafe to should be prive the following examples of information that is safe or unsafe to should be prive the following examples of information that is safe or unsafe to should be prive the following examples of information that is safe or unsafe to should be prive the following examples of information that is safe or unsafe to should be prive the following examples of information that is safe or unsafe to should be prive the following examples of information that is safe or unsafe to should be prive the following examples of information that is safe or unsafe to should be prive the following examples of information that is safe or unsafe to should be prive the following examples of information that is safe or unsafe to should be prive the following examples of information that is safe or unsafe to should be prive the following examples of information that is safe or unsafe to should be prive the following examples of information the prive the following examples of the	vate information is usually unsafe to share online, fore sharing this kind of information.					
SAFE - Personal Information	UNSAFE - Private Information					
 Your favorite food Your opinion (though it shoud be done respectfully) First name (with permission) 	 Mother's maiden name Social Security number Your date of birth Parents' credit card information Phone number 					
Define: Identity Theft: When a thief steals someone's private informatie Explain that an identity thief uses private information to pretend to be Once the thief has taken someone's identity, he or she can use that per even if the person whose identity they stole isn't old enough to do thes realize their identity has been stolen. Identity thieves may also apply fo big bills that they don't pay off. Let children know that identity thieves clean credit history and their parents are unlikely to be aware that som Emphasize the difference between private information (which can be u (which cannot be used to steal your identity). Invite students to answer board): Ask: What kinds of private information could an identity thief use to fin O First and last name, postal address, email address Social Security number, mother's maiden name. What kinds of personal information could you share about y O Your age, gender, how many siblings you have, you	the person whose identity he or she has stolen. rson's name to get a driver's license or buy things, se things! It's often not until much later that people or credit cards in other people's names and run up often target children and teens because they have a neone is taking on their child's identity. used to steal your identity) and personal information r the following questions (write their answers on the ad out and steal your identity? rs, phone numbers, passwords, credit card numbers, yourself without showing your identity?	a n e				
Social Security number, mother's maiden name. • What kinds of personal information could you share about y	yourself without showing your identity?	S				

		 Explain to children that on the internet, people you interact with could be your friends next door or strangers who live on the other side of the world. Because it's hard to know the intentions of people who you've never met before, it is best to remain cautious when sharing your information. You wouldn't give strangers your private information in the real world, and you need to be just as careful when you're online. Remind children how important it is each time they share information online to stop and think: "Am I giving out information that I should keep private?" Point out that it can sometimes be safe to give out some private information. For example, a website might ask for your birth date or email address. But students should always ask their parent or guardian before giving out private information. Distribute the Protect Yourself Student Handout and have children complete the activity. Review the answers as a class. Distribute the All About Me Handout. Have children write down all the personal information they would like to share on a public profile in an online community. Emphasize that even though personal information is safe to share on a public profile in an online community. Emphasize that even though personal information is safe to share on a fit should be private information the class. Ask: Is there anything on the lists with the class. Ask: Is there anything on the lists that could be used by an identity thief? Why? Guide children to explain their answers and encourage them to use the vocabulary terms. Use the following questions to exit the lessons: Ask: What is identity theft? O Using someone else's private information to pretend to be that person. How do personal information and private information differ? O Private information, such as a Social Security number, is unsafe to share. It should be keept private so that identity thieves cannot use it. Personal information, such asy		
	- I can apply my	Coding Scratch	Large screen to show video	
1	programming knowledge to create an online game	 Teacher to read full lesson plan pdf (see resources http://code-it.co.uk/scratch/crabmaze) Children are to create a program to steer a crab around a maze using keys on the keyboard. If the crab touches the walls of the maze it is electrocuted and the game ends. Crab maze can be extended to include multiple levels. You can also add scoring coins using a variable to hold the score. It includes forever loops, conditional if loops, broadcast commands and Cartesian coordinates. Open a web browser (Chrome, Safari) and navigate to http://scratch.mit.edu/projects/22804830/ Play the game whist pupils watch (don't show them the code) ask them to work in pairs to list all the things that they will need to make and all the things they will need to make it do. After pupil pairs discussion, collect and list these things. Explain that we have decomposed the game, broken it up into smaller chunks to solve them separately. Explain that this is something programmers do to help make problem solving manageable and sometimes so that large groups of programmers can work on the same project at the same time. Refer to their list as you guide them through creating the game. For detailed planning, follow planning sheet in resources folder. 		