## **Lesson Plan**

Teacher	[AA]	Date	00/00/00	Period	0	Class	9AA		
No. pupils	00	SEN	0	G&T	0				
Project title		Technology in	the future						
Context of project		During this unit, pupils will investigate some of the technologies which might be available to us in the future.  They learn to use an online presentation tool, Prezi, to present their findings							
Lesson No.		Lesson 1							
<b>Learning Objectives</b>		To be able to identify current technology that they have in their own homes							
		To understand how technology in the home will change over the next 10-15 years							
		To be able to i	dentify some	technology th	at might appe	ar in homes o	f the future		
<b>Learning Outcomes</b>		All pupils will: be able to list a variety of technologies that they have within their own home							
		Most pupils wi		•	new technolo	gies that we r	night see in		
		Some pupls with our homes mig			-				
<b>Key Terms</b>		Smart home, fu	iture technolo	ogy					

Starter	One question	7.5
	Each pupil gets to ask one question in order to find out what the next	mins
	topic will be about.	
	The pupil who guesses is the 'winner'	
Main activity	<u>Introduction</u>	2.5
		mins
	Play the following video clip from YouTube:	
	http://www.youtube.com/watch?v=2mxocMgUrvo	
	(If you do not have access to YouTube during lessons you might need to investigate how to access an offline version of this video)	5 mins
	Paired task	
	Each pair should identify five different technologies which they saw during the video clip.	
	Take feedback from pupils.	
	technologies shown include:	
	Fridge that knows what is in it	
	Fridge knows the expiry dates of all food inside	

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	• Kitchen bench which is ergonic and adjust itself to the correct height for the user			
	<ul> <li>Kitchen bench knows what food has been placed on top of it</li> </ul>			
	<ul> <li>Plate with a microchip which can give recommended recipies</li> </ul>			
	depending on the food placed on it.			
	• E-table – giant ipod which controls the entire room			
	Swipe the table with your mobile phone to access messages, music			
	and photographs			
	• Send photograph to 'frames' on the wall			
	Entire wall changes to suit music selected			
	Widgets in children's bedroom			
	Worlds' flattest flatscreen TV			
	On wall games and language lessons			
	Check text messages in the bath			
	Fill bath automatically to preferred depth and temperature			
	Teacher introduction to unit	5 mins		
	Explain to pupils that for the next few weeks they will be thinking about			
	what types of technology might be around in the future, perhaps in the			
	next 10-15 years.			
	Once they have completed their research, they will use a new			
	presentation tool to put their findings together.			
	Show pupils how to access the 'smart homes.doc'			
	Explain that they will be undertaking their own research and that they			
	should aim to make <b>short</b> notes for future reference.			
	Individual task	35		
	Pupils should log onto their computer, make a new folder in their area	mins		
	and give it a sensible name.			
	They should then access the smart_homes_workbook.doc and begin			
	their research.			
	Provide help and assistance as required			
Plenary	Compare their research with another pupil and aim to add at least one new idea to their own booklet.	5 mins		
	new raca to their own bookiet.			
Extension	Write a paragraph explaining how the future technology in our homes			
	might impact on our everyday lives in terms of leisure, work, family and			
	health			
Homework	Complete their research task ready for the next lesson.	30		
AZOMIC II OI K	complete their research task ready for the next resson.	mins		
Materials required	http://www.youtube.com/watch?v=2mxocMgUrvo			
	Smart homes.doc			

## You may:

- Guide teachers or students to access this resource from the teach-ict.com site
- Print out enough copies to use during the lesson

## You may not:

- Adapt or build on this work
- Save this resource to a school network or VLE
- Republish this resource on the internet

A subscription will enable you to access an editable version and save it on your protected network or VLE