Lesson: 3. Complete the happiness app.		Comic: 2
Overview of Key Skills Concepts – happiness apps, positive affirmations, jokes and humour, mood improvement Skills and process – research skills, report/article-writing, programming skills		Cross-curricular links English: reading and writing PSHE: Health and Wellbeing
Learning Objectives:	 To understand the basics of .net programming including To understand how to obtain the current date in Visual E To understand how to calculate the difference (in days o To understand how to use the result as index to an array To understand how to add speech and music to an app 	of the year) between two dates
Key Teaching Points / Research Opportunities	Discuss some of the concepts and research that was carried out in the previous lesson.	
	How can we use this number to place the appropriate joke/affirma TextBox1.Text = affirmation(numberofdays)	ation on the textbox? i.e.
	Perhaps it's time to add some speech to our program Discuss us How could we make this even betterupbeat music/tracks?	sing a speech class (with the appropriate MS Speech reference).
Independent Work	Use a given series of music track excerpts to create an array of mu	sic to add to the app.
Plenary	 What have you learned this lesson that you didn't know Discuss the key questions for this lesson (as shown below Test your program Save your program. Perhaps we could upload this as a free download on the Now let's try the End-Of-Lesson Assessment. 	N)

Resources,	Text file containing jokes and/or affirmations	
including ICT		
	Microsoft Visual Basic	
	Set of music excerpts	
	End-Of-Lesson Assessment	
	Online quiz	
Key Questions	- Charles quiz	
key Questions	How do we show today's date on a button (or other appropriate control)?	
	 How do we show today's date on a button (or other appropriate control): How do we calculate the number of days from the start of the year to the current date? How do we use the result in out program? 	
	How do we use this to place the appropriate message on the textbox? How would we add anotable to the appropriate message on the textbox?	
	How would we add speech to the app?	
	How would we add music to the app?	
Vocabulary	Apps, applications, positive affirmations, Visual Basic, C#, forms, classes, subroutines, objects, variables, arrays, loops, dates, date interval, index.	
Success		
Criteria	Ability to understand the basics of .net programming including forms, classes, objects, subroutines, variables, arrays and loops.	
	Ability to understand how to obtain the current date in Visual Basic.	
	Ability to understand how to calculate the difference (in days of the year) between two dates	
	Ability to understand how to use the result as index to an array of strings	
	Ability to understand how to add speech and music to an app	
Assessment	Post-Lesson Assessment sheet and online quiz	
Opportunities	Completed app – Peer feedback	