



THE VISIONARY	
COMPOSITES	COMPONENTS
<p><b>Pupils should be taught about the lives of significant individuals in the past who have contributed to national and international achievements (NC)</b></p> <p><b>Pupils should be taught about events beyond living memory that are significant nationally or globally (NC)</b></p>	<p>To know that, if things are shown in chronological order in history, they are described or shown in the order in which they happened</p> <p>To know that nationally means in the United Kingdom (England, Scotland, Wales and Northern Ireland)</p> <p>To know that globally means all over the world</p> <p>To know that a year is 365 days long (366 every 4 years)</p> <p>To know that a decade is a period of ten years</p> <p>To know that a century is a period of 100 years</p>
To know and be able to retell the life story of Ada Lovelace	<p>To know that Ada was born over 200 years ago in London (in 1815)</p> <p>To know that she was the daughter of a very famous poet called Lord Byron and that she was friends with royalty</p> <p>To know that educating girls was not important 200 years ago and only rich girls could be educated by a tutor at home</p> <p>To know that Ada liked to share ideas with other inventors and mathematicians</p> <p>To know that Ada married an Earl which made her a countess, and they had three children</p> <p>To know that Ada died when she was only 36</p>
To know what the main achievements of Ada Lovelace were	<p>To know that because Ada was a woman, people thought it was unusual for her to study maths and science</p> <p>Ada Lovelace has been recognised as a brilliant mathematician</p> <p>To know that, as she grew up, there were no electronic devices or computers</p> <p>To know that, when she was 12 years old, Ada designed a flying machine</p>



THE VISIONARY (cont.)	
COMPOSITES	COMPONENTS
To understand the contribution Ada Lovelace made to computer programming	To know that Ada recognized machines (computers) worked by following patterns To know that she wrote the first algorithms (a list of instructions or codes to solve a problem)
To understand the way in which the past impacts on the present	To know that we need algorithms to make computer programs work To know that there is a computer programming language named after her called 'Ada' To know that computers are an important part of our daily lives