

Codes and Ciphers	<p style="text-align: center;"><i>Vehicle Registration</i></p> <p>UNIT 15 <i>Marks</i> Lesson Plan 1</p>	
<p>Activity 1</p>	<p>Introduction</p> <p>T: What information can you get from the number plate of a car? <i>(Age, ...)</i></p> <p>T: Is there any other information in the registration marks on the number plate? <i>(?)</i></p> <p>T: You can tell the region where the vehicle was first registered and even the local office where the registration was made. Here is an example (T writes on board or shows OS):</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <p style="text-align: center;">AB51 DVL</p> </div> <p>T: The registration mark has three parts to it:</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <p style="text-align: center;"><i>local memory tag</i> <i>age identifier</i> <i>random letters</i></p> </div> <p>We'll look at each of these parts in turn.</p> <p style="text-align: right;"><i>5 mins</i></p>	<p style="text-align: center;">Notes</p> <hr/> <p>T: Teacher P: Pupil Ex.B: Exercise Book</p> <p>Interactive discussion building on Ps' knowledge, etc. OS 15.1 can be shown, or T can write a real registration mark on board perhaps asking Ps for an actual example, but it must be a recent (since September 2001) registration.</p> <p>T may list the three parts on board.</p>
<p>2A</p>	<p>Local memory tag</p> <p>T: The first of these letters represents the region and the second the local office. For our AB51 DVL number plate, the 'AB' tells us it was registered in the Anglia region, at the Peterborough Vehicle Registration Office.</p> <p>T: How many possible local memory tags are possible with this system? <i>(26 × 26)</i></p> <p>T: The letters I and Z are not used and Q is for temporary imports, so how many local memory tags are possible if we exclude these 3 letters? <i>(23 × 23)</i></p> <p>T: This gives 529, although in practice, not all the possibilities are used.</p> <p style="text-align: right;"><i>10 mins</i></p>	<p>It is best to use the local situation so, if possible, T should choose the local region (see Appendix 1 for full list). A map showing the regions is available at</p> <p style="text-align: center;">http://www.dvla.gov.uk/vehicles/regmarks/LMTags-identifier-map.htm</p> <p>T asks volunteer Ps for answers. Praise given when deserved.</p>
<p>2B</p> <p><i>(continued)</i></p>	<p>Age identifier</p> <p>T: The age identifier is the two numbers in the registration mark; in our example, 51.</p> <p>T: There are two series of numbers: those issued from March to August begin with '0' and those issued from September to February begin with '5'. The system started in September 2001 with the number '51'.</p> <p>T: What is the age identifier from March to August 2002? <i>(02)</i></p> <p>T: When was the vehicle in our example registered? <i>(September 2001–February 2002)</i></p> <p>T: What is the age identifier from March to August 2003? <i>(03)</i></p> <p style="text-align: center;">... from September 2003 to February 2004? <i>(53)</i></p> <p>T: Now work through Exercise 2 as quickly as you can.</p>	<p>Here, again, T should use a local example. It might be helpful to also look at the previous system as many vehicles have number plates registered under that system.</p> <p>T asks Ps the questions and helps them, if necessary, to give the answers.</p> <p>T writes Exercise 2 on board and gives Ps 3 or 4 minutes to write the answers in Ex.Bs.</p> <p>Whole class review, with mistakes corrected and any misunderstandings dealt with.</p>

