Guidelines for the use of 'Making and playing rugby dice'

Activity title:	Making and playing rugby dice
Curriculum area:	Maths & CPSHE
NC objectives:	DT: 2b), 2c), 2d), 3a), 4a), 5b) & 5c) and Maths: Ma3 2b) & 2c) and CPSHE: 3a)
Main learning objective	To visualise 3-D objects from 2-D drawings and to make nets of common solids

Timing	Lesson plan ideas, activities and resource sheets
INTRODUCTION 10 minutes	• Discuss 3D shapes with the class and list the shapes they already know (cylinder, cone, sphere, cube, cuboid, prisms, pyramids, etc). Discuss any known properties. • Use the PowerPoint presentation '2.8a An introduction to 3D shapes PPT' if appropriate. • Ask the class how the 3D shapes could be made. Discuss what the net of a shape is and draw some examples on the board.

Continued

Guidelines for the use of '2.8 Making and playing rugby dice'

MAIN ACTIVITY 40 minutes	• Issue the '2.8b Playing rugby dice' sheet, photocopied onto coloured card or onto plain card to be coloured. • Ask pupils to cut out the nets and form cubes to play the game, following the rules provided. During this lesson the children may only get to the point where they can make the dice, in which case they would need to have a follow up lesson to actually play the game.
PLENARY 10 minutes	• Gather the class back together and ask them to think of as many 3D shapes that they may find when playing the game of rugby – link this to a general recap on the 3D shapes from the start of the lesson. • Use the '2.8c What shape am I' PPT if required.

Suggested extension activities or cross curricular links:

- Make nets of other shapes
- Set the challenge of making a storage compartment for pieces of rugby equipment

LOTTERY FUNDED

HERITAGE