

SUBJECT		YEAR	TERM
Computer Science		7/8/9	1
UNIT			
BEBRAS			
INTENT			
<b>PRIOR LEARNING (TOPIC)</b> No previous knowledge is required to take part in the Bebras challenge.			
<p>Bebras is an annual problem-solving competition organised by Oxford University. It aims to help participants improve and assess their computational thinking and problem-solving abilities. It does this through a set of increasingly challenging questions, each of which takes a computer science concept and distils it into a tangible context.</p> <p>This takes place in early November. For years 8 and 9, who have taken part in the competition before, this will typically only take up one lesson. However, where possible for Year 7s, we will also do a practice set of questions in the lesson building up to the challenge itself.</p>			
<b>FUTURE LEARNING:</b> The results from Bebras are often a good indicator to pupils, parents and teachers as to whether Computer Science at KS4 or 5 would be a good path to follow.			
IMPLEMENTATION		IMPACT	
<b>To be successful pupils should be able to:</b> <ul style="list-style-type: none"><li>• Read problems carefully to fully understand the requirements.</li><li>• Break complex problems down into smaller more manageable parts.</li><li>• Remove unnecessary details from problems to make them easier to solve.</li></ul>		<b>Assessment:</b> All pupils will be awarded a grade from the following: <ul style="list-style-type: none"><li>• Participation</li><li>• Merit (top 50%)</li><li>• Distinction (top 25%)</li><li>• Gold (top 10%)</li></ul>	
HOW CAN PARENTS HELP AT HOME?			
<p>Using the Bebras website, pupils can prepare for the competition by doing practice questions. By working through questions with your child you can help build their confidence in attempting these kinds of challenges.</p>			
HELPFUL READING/FURTHER DISCUSSION			
<b>Next Steps</b> <p>Pupils who do very well in the Bebras challenge may be invited to take part in the Oxford University Computing Challenge.</p>	<b>CAREERS</b> <p>Although not directly linked to any career. The problem-solving skills required for Bebras are useful in a wide range of careers, particularly those surrounding STEM.</p>	<b>WIDER SKILLS</b> <p>Problem Solving Resilience</p>	
VOCABULARY			
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