

<b>School:</b>		
<b>Date:</b>	<b>Teacher's name:</b>	
<b>Grade:</b>	<b>Number present:</b>	<b>absent:</b>
<b>Topic of the lesson:</b> Project activities		
<b>Learning objective(s) that this lesson is contributing to</b>	<ul style="list-style-type: none"> <li>- Create a project on a free topic</li> <li>- Teach to protect the project</li> </ul>	
<b>Lesson objectives</b>	<p><b>All learners will be able to:</b></p> <ul style="list-style-type: none"> <li>• Able to create an idea for a project</li> </ul> <p><b>Most learners will be able to:</b></p> <ul style="list-style-type: none"> <li>• Creates a Python program as intended</li> </ul> <p><b>Some learners will be able to:</b></p> <ul style="list-style-type: none"> <li>• Create a quality program for further promotion and advertising</li> </ul>	
<b>Assessment Criteria</b>	<ul style="list-style-type: none"> <li>• Creativity</li> <li>• Technical errors</li> <li>• Project design</li> </ul>	
<b>Value links</b>	<p>Respect for yourself and others  This value is instilled in the lesson by observing the courtesy of the participants in the educational process, observing time management when performing individual and paired tasks, observing safety and hygiene standards (keep your workplace clean before and after the lesson)</p> <p>Cooperation  The teacher provides support in case of difficulties for students.  The inculcation of values is carried out through mutual support of students in pair work, searching for arguments in favor of the hypothesis.</p>	
<b>Previous learning</b>	Knowledge of Python programming basics	
<b>Cross curricular links</b>	Programming, biology, geography, mathematics	
<b>Time</b>	<b>Planned activities</b>	<b>Resources</b>
<b>Beginning 10 min</b>	<p><b>Organizing time.</b></p> <p>Topic announcement</p> <p>Indication of Missing</p> <p>Students are divided into 12 groups (2 people each) in terms of knowledge.</p>	
<b>Middle 60 min</b>	<p>Project topics are given to teams:</p> <ol style="list-style-type: none"> <li>1. File manager</li> <li>2. Quiz</li> <li>3. Alarm</li> <li>4. Education</li> <li>5. Healthcare</li> <li>6. Industry</li> <li>7. Road safety</li> <li>8. Free design</li> </ol>	

	Over the course of work, each group is allocated a few minutes for advice from the teacher.	
<b>End 10 min</b>	Explanation of standards and rules of performance of project protection H/t: Preparing to protect the project	
<b>Differentiation – how do you plan to give more support? How do you plan to challenge the more able learners?</b>	<b>Assessment – how are you planning to check learners’ learning?</b>	<b>Health and Safety</b>
Additional support • Group work - support for classmates. • Teacher assistance, if required. More capable students can demonstrate aspects of their decisions that seemed interesting / more difficult to other students.	Answers to questions and session answers. Use of questions during the main task, in the process of movement between groups. Use survey questions to understand results / successes. Check blog / log data. Ask selected groups to send you their files for viewing.	Do you need to consult with other subject teachers to plan this lesson?  Do any assignments in this lesson pose a risk to the health and safety of students? <i>Be careful when installing the screen, keyboard and mouse; beware of wires, as they pose a threat to your movement.</i> Will students develop their ICT skills during this lesson? Yes What opportunities for developing NIS values are present in this lesson?