

STEM Lesson Plan - Transformative infusion - teaching through technology!

Class: Business Management Level 6, QQI	Date: Sept 2016	Teacher: Gráinne Quinn
Title of Lesson: Teaching through technology: technology is not the goal, rather learning is...		
Objectives: <ol style="list-style-type: none"> 1) to guide students to learn through relevant technology and STEM learning techniques 2) to engage learner with the lessons concept (ie. SWOT analysis) 3) to test prior learning of concept and identify gaps of knowledge 4) to allow students to work collaboratively and use group discovery learning 5) to drill and practice concepts from the syllabus, promote success at school and in assignments 6) to ultimately guide students to gain proficiency in technology, and gain confidence in using technology to transform their individual learning 		
<p>Description of Learning Activities</p> <p>RELEVANCE Recap on previous lesson, link this lesson concept (SWOT analysis) to last class in strategy development</p> <p>ENGAGEMENT to test prior knowledge and identify gaps in prior learning - What do I want to know?</p> <p>COLLABORATION: - group-work to use investigation based learning and collaborative learning to demonstrate new knowledge</p> <p>ELABORATION - peer learning group research to be shared using google documents</p> <p>ASSESSMENT - test individual knowledge of concept</p> <p>REFLECTION - What questions? Students to review, reflect and provide feedback to teacher on lesson.</p>	<p>Assessment Methods - what technology?</p> <p>Informal – Discussion and feedback, teachers explains the concept using an example</p> <p>Use Kahoot.it and smartphone as a quickfire activity</p> <p>Students to research the new concept and use PREZI software to create a presentation that demonstrates their shared understanding of SWOT analysis of a company of their choice</p> <p>Students to use google document, to facilitate creating a shared learning file to capture individual and group research, allowing time for group discussion. Students find it easier to understand when they hear it from a peer</p> <p>Students to log onto quizlet account and class group and using integrated learning software (quizlet) to apply new learning. Finally, take a test formulated on the concept, reinforce and assess new knowledge</p> <p>What have I learned? Use google drive to create a shared folder, called 'reflection on learning', share this folder with the teacher. Finally, create a google document to capture feedback on learning.</p>	<p>Resources and teaching materials:</p> <p>Whiteboard & Marker: write class objective on board - link to mind map of business strategy, where does this fit?</p> <p>Challenge students in a peer-group competition of knowledge e.g. Test concept using - SWOT analysis quiz</p> <p>Learn how to create a prezi check information fluency and research skills</p> <p>Collaboration: during class time, and also using google hangouts remotely</p> <p>Video - how to start using google docs check technology fluency and understanding of concept</p> <p>example of: Quizlet test SWOT analysis allow students to test their own individual learning</p> <p>What is reflection? show students a presentation to develop skill at being reflective and capturing individual learning processes</p>
Stretch and Challenge and Extension Activities : Some teaching instructional design ideas and practices: Using relevant technology - allow for a higher level of instruction Using relevant technology in the classroom. Also see Lieberman 2016 for comprehensive list, for infusing technology into learning		
Learning outside the classroom Due in :	Learning outside the classroom set for next lesson:	

