



JuxtaLearn is a large EU-funded project that aims to help students overcome the barriers presented by Tricky Topics which often cause students to give up a subject. During initial trials, 74% of students showed progression in their quiz results over the course of the day.

The JuxtaLearn Workshops can be run as a series of sessions. All sessions and supporting tools are free to schools. The first session is with researchers and teacher(s) and takes place before the student sessions. Student sessions are flexible; they can run over a full school day, or split into smaller sessions with activities taking place pre-workshop following the flipped classroom approach. The session outlines overleaf may be adapted to suit school needs.

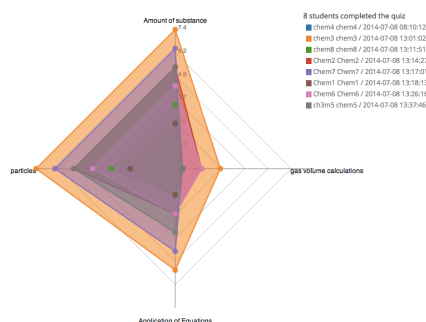
Preparatory Session:

Teacher training and professional development for formative assessment

Hands-on training session for teachers, 2h – 2h30.

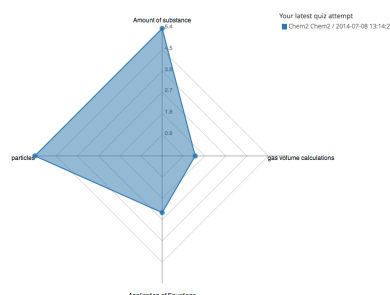
1. Aligning the JuxtaLearn approach to the school's goals.
2. Guidance on Flipped Classroom:
 - a. How to flip the stages of the JuxtaLearn Process
 - b. Which stages to hold in class and which to flip
3. Hands-on workshop on using the Tricky Topic Tool to identify Tricky Topics and break them down into smaller 'stumbling blocks'. These stumbling blocks feed through to the online Diagnostic Quiz authoring tool.
4. Hands-on workshop using the Diagnostic Quiz authoring tool to write effective quiz questions
 - a. These questions link back to the stumbling blocks
 - b. Results visualised in radar chart that reveals gaps in student understanding.

Radar chart for the Moles tricky topic quiz (offset: 0.4)



Quiz Score

Radar chart for the Moles tricky topic quiz (offset: 0.4)



Whole class visualisation & individual student visualisation Chemistry Moles Tricky Topic

JuxtaLearn Promo Videos

JuxtaLearn Video on Tricky Topic Tool and Quiz: <http://vimeo.com/109829640> 2m 56secs

JuxtaLearn Workshop Video – Chemistry Workshop: <http://vimeo.com/109827064> 3m 21secs

Juxtaposing Performance with Learning <http://vimeo.com/109331885> 2m 6secs



Session 1: Planning and Exploring 2h 30 mins

Activity	Duration	Notes
Introduction & preparation	15 – 30 mins	Explaining the format of the day to students. Collecting signed consent forms
Students take quiz	15 – 30 mins	To identify gaps in student understanding; Stumbling Blocks. Students may then be grouped according to strengths and weaknesses to facilitate peer learning.
Introductory video on performance	15 mins	Guidance to students on creativity & how to Juxtapose using genre and format: choosing a setting and characters.
Storyboarding	1h 15 mins	Collaborative group development of ideas and storyboard. May be overlap with video-creation as some students start filming before others.
Student Focus Group	15 mins	Focus group with students to reflect on experiences and learning <i>Omitted if Session 1 and Session 2 take place during 1 day</i>
Total Duration	2h 30 mins	
Teacher debrief	20 mins	Takes place after end of workshop. <i>Omitted if Session 1 and Session 2 take place during 1 day</i>

Session 2. Creating performance and composing video 2h 45 mins

Activity	Duration	Notes
Filming/Video production	1h 15mins	Students collect/make props and shoot video footage. Teacher acts as subject expert, supporting students with accurate explanations. Standard Teaching Activity pencasts available on iPads/ mobiles/computers for students to refer to.
Composing/editing video	1h 15mins	Students compose shots to match storyboard.
Students retake quiz	During Compose	Individual students leave groupwork to retake online quiz, or take a second quiz.
Student Focus Group	30 mins	Focus group with students to reflect on experiences and learning
Total Duration	2h 30mins	
Teacher Debrief	20 mins	Takes place after end of Workshop