

**Time:** w/c 7<sup>th</sup> July 2008

**Topic:** Fuel Cells

### 1. Prepare For Learning

Play a short clip from the BMW (hydrogen car) advert with SOUND ONLY.

Students must listen carefully and write down what they think is being advertised.

### 2. Agree Learning Outcomes

Can hydrogen be used to create a clean fuel?

### 6. Review – Step Back And Reflect On Your Learning

Lay out work on tables to create a gallery of storyboards.

Each student will assess the rest of the class' work and assess how well each group has met the success criteria.

Ideas should be recorded in their passports.

### 3. Present New Information Through All The Senses

Watch the BMW hydrogen car advert (type 'BMW' into the studio resource on the intranet)

Whilst watching, students should fill in their questionnaire (in the passport) with ideas that will help them create their own advert. These questions are to help them understand the problems and advantages of fuel cells. Member of Science dept. will then demonstrate the power of hydrogen with a balloon experiment.

### 5. Apply To Demonstrate Your New Understanding

Member of the English dept. will discuss the concept of storyboarding. Show examples of how to storyboard on internet (see hyperlink on PowerPoint)

Students will be organised into groups/group roles to be chosen and recorded in passports. Success criteria for the advert also have to be agreed. A quick group brainstorm with feedback via the teacher. Criteria recorded in passport.

Group as a whole then brainstorm ideas for their own adverts e.g. which key points should be included? Which images will you use? Why? What kind of sound will be included? Why? What kind of shot/camera angle? Why?

Then split group into three-beginning, middle and end. Create a section of the storyboard for each. (Create on storyboard sheets provided)

### 4. Construct

-Activity The Search For Meaning

Member of Science dept will refer back to the fuel cells from the clip and talk students through their creation.

Students then create their own fuel cell (French/Spanish words should be incorporated where possible here e.g. asking for different parts in their chosen language.) Instructions are given in the relevant MFL with pictures to help.

**THE TEEP  
LEARNING  
CYCLE**