

## SKYSCRAPER MELTS CAR AND BAKES FRIED EGGS

### Inspiré du titre en français

<http://bigbrowser.blog.lemonde.fr/2013/09/03/travaux-pratiques-comment-faire-cuire-un-oeuf-grace-aux-vitres-dun-immeuble/>

### INTRO de la séance par une vidéo (2'26) :

<http://news.sky.com/story/1136349/walkie-talkie-skyscraper-beam-melts-cars> on peut écouter en supprimant à la fin l'interview du scientifique qui est plus intéressante (avec une solution) dans la seconde vidéo de la séance (Reuter)

blister : cloquer      smolder : se consumer      parking bay      stun / astound

BELLES PHOTOS à voir dans l'article en dessous de la vidéo !

### Aspects scientifiques : phénomène à l'origine des dégâts /durée du problème / solutions imaginables

On distribue aux élèves l'extrait :

A joint statement from Land Securities and Canary Wharf said: "We are taking the issue of **light reflecting** from 20 Fenchurch Street seriously, and are looking into the matter as a priority. The phenomenon is caused by the current elevation of the sun in the sky. It currently lasts for **approximately two hours per day**, with initial modelling suggesting that it will be present **for approximately 2-3 weeks**. [...] we are consulting with local businesses and the City to address the issue in the short-term, while also evaluating longer-term solutions to ensure the issue cannot recur in future." <http://news.sky.com/story/1136349/walkie-talkie-skyscraper-beam-melts-cars>

Pour mémoire du site sur lequel sera pris la seconde vidéo, et pour le trait d'humour, on donne aussi aux élèves :

Three parking bays were closed off opposite the 239-million-pound (\$371 million) tower [Walkie Talkie] to avoid more damage, as a steady stream of spectators observed and photographed the building.

"When you talk about a meltdown in the city, this is not quite what you expect," said restaurant manager Simon Lamont. "It's not even open yet and it's notorious. They'll have to rename it the Sun Trap rather than the Walkie Talkie." <http://www.reuters.com/article/2013/09/03/us-britain-tower-car-idUSBRE9820EQ20130903>

### Une solution ??

On visionne la vidéo : <http://www.reuters.com/article/video/idUSBRE9820EQ20130903?videoId=265820782>

**Pour le prof, TRANSCRIPTION de la vidéo REUTER : (trouvée sur <http://www.englishblog.com> )**

**REPORTER:** It's called the Walkie Talkie because of its shape - and it's definitely London's hottest new building. Reflected sunlight from the glass windows is causing problems on the streets below. The owner of a Jaguar was horrified to find his car was melting in its parking space - which has since been closed off to vehicles. People who work in the area say the luxury car isn't the only victim.

**BUSINESSMAN:** "Yesterday people were feeling this bike saddle that had actually caught alight and the smoke was rising up off of there. But also it just gets so hot and you put your hand out into the light and immediately it's like scorching you right away."

**MAN:** "It gets the top of your feet the worst if you're wearing leather shoes. You can't stand it for too long."

**REPORTER:** This restaurant has suffered a melted chair and damaged tiles. The burning question though, is: how to solve the problem? Solar Physicist, Simon Foster has a possible solution.

**SIMON FOSTER, SOLAR PHYSICIST, IMPERIAL COLLEGE:** "Coating some sort of kind of paint or something that actually scatters the light out so it doesn't come down or absorbs some of that energy so it's not as hot down here but obviously you've got to cover that entire surface or the area, which is a problem. And that's gonna take a long time and you've actually got to come up with a coating that will actually go on the glass."

**REPORTER:** On reflection, perhaps it's best to avoid this part of London for the time being.