



Entertainment

## Science on the Ground (Teachers' Notes)

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### Film Special Effects Technician

In this clip, Nick Morton describes the challenges of his job as a special effects technician and shows how some of the effects are achieved.

### Curriculum

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Science (Chemistry)

### Discussions

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- Think of a programme or film that you have seen recently. What special effects were in it? How do you think that these were achieved?
- Stunts are performed by specially trained stunt artists. How can their safety be enhanced using special effects?

### Activities

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- What makes the colours in fireworks?  
Teacher guidelines:  
<http://www.rsc.org/education/teachers/learnnet/aflchem/resources/37>  
  
Pupil instructions:  
<http://www.rsc.org/education/teachers/learnnet/aflchem/resources/37/37%20resources/37-2%20What%20makes%20the%20colours.pdf>
- Building a makeshift fire extinguisher  
<http://www.spartechsoftware.com/reeko/experiments/ExpFireExtinguisher.htm>
- Colourful electrolysis  
<http://www.rsc.org/education/teachers/learnnet/inspirational/resources/2.4.2.pdf>
- Using appropriate safety procedures, place some sodium metal into water containing universal indicator.

- Make a model stage set and use special effects to tell a story (a few minutes long).

**[www.bbc.co.uk/northernireland/scienceontheground/entertainment/film-sfx/index.shtml](http://www.bbc.co.uk/northernireland/scienceontheground/entertainment/film-sfx/index.shtml)**