

Keeping the pizza hot

Getting started

This case study comprises a collection of lesson plans, handouts and other resources including an introductory presentation.

Double-click on **Start** for an overview and index page.

Alternatively, the individual files can be opened from the **content** folder.

Hardware & software requirements

Some activities require graph and data plotting software – two suitable programs for Windows PCs are included in the **content/Software and Data** folder:

Equator - function analysis software produced specifically for this project. This software needs java to be installed (free download from <http://www.java.com/>). Once this is done, copy the file **equator** (or equator.jar) into a suitable folder (e.g. the maths user area) for all machines where it is required. Then double click the icon to run.

Graph is open source graph plotting software which can be used as an alternative to equator. Run the **SetupGraph-4.3** file and follow the instructions on screen to install it (repeat on each machine that it will be used on – or your IT administrator may be able to install it for everybody). More details from <http://www.padowan.dk/graph/>

Adobe Reader or similar is required to view the guides and handouts. Adobe Reader is available to download for free from:
<http://www.adobe.com/>

Microsoft Office or an alternative (such as [OpenOffice](#)) is required for the introductory presentation (PowerPoint) and to open the data file (Excel).

OpenOffice is available from <http://www.openoffice.org>.

Free viewers for [MS PowerPoint](#) and [MS Excel](#) and other MS Office file types are available from <http://office.microsoft.com/downloads>

A sound card and speakers are required for the videos contained within the presentation. Playing the video files requires the presence of some media playing software e.g.

Microsoft Media Player

<http://www.microsoft.com/windows/windowsmedia/player/default.aspx>

Real Player

<http://www.real.com/freeplayer/?rppr=rnwk>

Apple QuickTime

<http://www.apple.com/quicktime/download/>

The lesson videos and the silver foil animated graph sequence require Flash Player to be present – this is a free download from <http://www.adobe.com>

For experimental work, please see the detailed information in the teacher's guide for equipment requirements. The simplest solution is to use GoTemp probes with included software available here:

http://www.studentcalculators.co.uk/acatalog/Test_CO.html

This release is version v1.0.0

NB: The **Graph** application is distributed under the terms of the GNU Public license: source code can be found in the file GraphSource-4.3.zip.