The Fourier Duck and the Fourier Cat:
A fun introduction to crystallography
http://www.ysbl.york.ac.uk/~cowtan/fourier/fourier.html

Fun in the lab
http://richannel.org/tales-from-the-prep-room-diffraction

We will use the following applets from EPFL
http://escher.epfl.ch/fft/
http://escher.epfl.ch/crystalOgraph/
http://escher.epfl.ch/diffractOgram/

A simple set of tutorials about electron diffraction
http://www.microscopy.ethz.ch/ED-1.htm
http://www.microscopy.ethz.ch/ED-Ewald.htm
http://www.microscopy.ethz.ch/bragg.htm
http://www.microscopy.ethz.ch/ED-XRD.htm
http://www.microscopy.ethz.ch/TEM_ED_examples.htm

Tutorials about diffraction
http://www.matter.org.uk/diffraction/
http://www.students.bucknell.edu/projects/xray/BetaTest/ReciprocalSpace/index.html
http://www.physics.byu.edu/faculty/campbell/animations/x-ray_diffraction.html
http://www.doitpoms.ac.uk/tlplib/crystallography3/index.php
http://www.chem.ox.ac.uk/icl/heyes/structure_of_solids/Strucsol.html
http://www.ruppweb.org/Xray/101index.html
http://www.lks.physik.uni-erlangen.de/diffraction/