

Revision Technique

(Adapted from 'Top Physics Grades for You' by Keith Johnson, ISBNs : AQA Modular 0 7487 9583 9 AQA Coordinated 0 7487 9598 8 published 2005 by Nelson Thornes Ltd.)

Prepare

1. Download the correct details for your Exam from the web-site at www.physics4u.co.uk (then choose 'Mapping'). It shows you exactly which pages you need to read in *Physics for You*.
2. Go through the book, reading the Summary for each chapter that is in your Exam Specification.
3. While doing this, you can decide which are your strong topics, and which are topics that you need to spend more time on.
4. Look at the PowerPoint on Revision Technique on the revision page at www.physics4u.co.uk
5. You need to balance your time between:
 - **Revising** what you need to know about Physics.
 - **Practising** by doing exam questions.Do these two things for each topic in turn.



Revise

6. Think about your best ways of revising. Some of the best ways are to do something **active**. To use active learning you can:
 - Write down **notes**, as a summary of the topic (while reading through *Physics for You*).
 - Use highlighter pens to **colour key words**.
 - Make a **poster** to summarise each topic (and pin it up on your bedroom wall?).
 - Make it colourful, and use images/sketches if you can.
 - Make a spider-diagram or **mind map** of each topic.
 - See the example here, but use your own style:
 - Ask someone (family or friend) to **test** you on the topic.
 - **Teach** the topic to someone (family or friend).Which method works best for you?
7. It is usually best to work in a quiet room, for about 25–30 minutes at a time, and then take a 5–10 minute break.
8. After you have revised a topic, make a note of the date on a **Revision Calendar**, so you'll know when to revise it again.

Practise

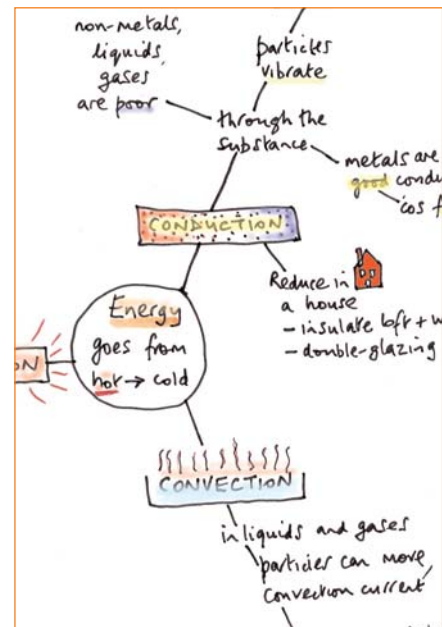
9. When you have revised a topic, and think you know it well, then it's important to practise it, by answering some exam questions. Your teacher can give you some, or you'll find some (with answers) in 'Top Physics Grades for You'.

Re-revise and Top-up

10. It is important to re-revise each topic again, after the right interval (using your Revision Calendar).
The best intervals are after 10 minutes, after 1 day, and after 1 week (see the graphs in *Physics for You*, pages 382–389).

For this top-up you can use your notes, poster or mindmap.

It's also a good idea to make some compact **Revision Cards** like the ones in 'Top Physics Grades for You':



Part of a **Mind Map** for :
Conduction, Convection, Radiation.

A **Mind Map** always makes more sense when you make it **yourself**.

Use colour and images if you can.

7 The Solar System

Gravitational force : between all masses.
At twice the distance it is only $\frac{1}{4}$ as much.

Orbits of planets and comets are ellipses.
They are held in orbit by the gravitational force.

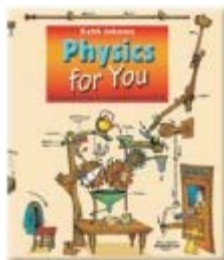
Farther planets take longer to orbit the Sun.

Comets have very elliptical orbits:

One side of a **Revision Card**.
Good for last-minute revision.

Physics for You

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