

# Subject Audit

Name .....

One of the key areas for concern for (and about) all teachers is the extent of their subject knowledge. In order to get onto the course you had to have a degree in a science based subject - but does this always mean that you understand a lot of science?

For some of you your degree is very recent, for others it is a rather more distant memory. Some of you have very strong backgrounds in all three of the major science areas, others of you will be lacking knowledge in at least one key area. How many of you are familiar with the Earth Sciences?

All of you will have to teach Science to Key Stage 3 (11-14) and mostly your main degree subject at KS4 (14 - 16) and 'A' level, but a number of 11-16 schools may expect you to teach across all of the sciences even at KS4. We realise that a major part of our work is showing how to teach your subject to children, but we also recognise that we may have to teach you some subject knowledge as well - especially in the areas which are outside of your degree specialism. To this end our course provides a number of main subject method sessions (based mostly on KS4 work) and a further 7 sessions in each of the subject areas outside of your own. **We have already chosen the areas to be covered in the autumn term but the 18 modules we offer in the spring and summer term are governed by the needs of the students.** I would therefore like you to go through the National Curriculum pretty carefully at both KS3 and KS4 and identify areas in which you feel you would like extra help - **be honest here**, it is not enough to have heard of a topic if you are to teach it well - **you need to understand** it and you need to be familiar with the practical work which is available.

Please use a scale 0 - 5 (0 = I understand this topic fully, 5 = I understand none of this and need a lot of help)

## Key Stage 3

Please circle

### Life Processes and Living Things

**Cells and Cell Function** 0 1 2 3 4 5  
Specifically.....

**Humans as Organisms** 0 1 2 3 4 5  
Specifically.....

**Green Plants as Organisms** 0 1 2 3 4 5  
Specifically.....

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**Variation, Classification & Inheritance** 0 1 2 3 4 5  
Specifically.....

**Living things in their Environment** 0 1 2 3 4 5  
Specifically.....

**Materials and Their Properties**

**Classifying Materials** 0 1 2 3 4 5  
Specifically.....

**Changing Materials** 0 1 2 3 4 5  
Specifically.....

**Patterns of Behaviour** 0 1 2 3 4 5  
Specifically.....

**Physical Processes**

**Electricity and Magnetism** 0 1 2 3 4 5  
Specifically.....

**Forces and Motion** 0 1 2 3 4 5  
Specifically.....

**Light and Sound** 0 1 2 3 4 5  
Specifically.....

**The Earth and Beyond** 0 1 2 3 4 5  
Specifically.....

**Energy Resources and Energy Transfer** 0 1 2 3 4 5  
Specifically.....

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## **K.S. 4**

### **Life Processes and Living Things**

**Cell Activity** 0 1 2 3 4 5  
Specifically.....

**Humans as Organisms** 0 1 2 3 4 5  
Specifically.....

**Variation ,Inheritance and Evolution** 0 1 2 3 4 5  
Specifically.....

**Living Things in their environment** 0 1 2 3 4 5  
Specifically.....

### **Materials and Their Properties**

**Classifying Materials** 0 1 2 3 4 5  
Specifically.....

**Changing Materials** 0 1 2 3 4 5  
Specifically.....

**Patterns of Behaviour** 0 1 2 3 4 5  
Specifically.....

### **Physical Processes**

**Electricity and Magnetism** 0 1 2 3 4 5  
Specifically.....

**Waves** 0 1 2 3 4 5  
Specifically.....

**The Earth and Beyond** 0 1 2 3 4 5  
Specifically.....

**Energy Resources and Energy Transfer** 0 1 2 3 4 5  
Specifically.....

**Radioactivity** 0 1 2 3 4 5  
Specifically.....

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Download 3.1.2 'Subject audit (secondary)'

**Any General Comments:**

**We will re-issue this at Christmas –you may find that you feel quite differently by then.**

PGCE Science Sub/aud/disc10

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