

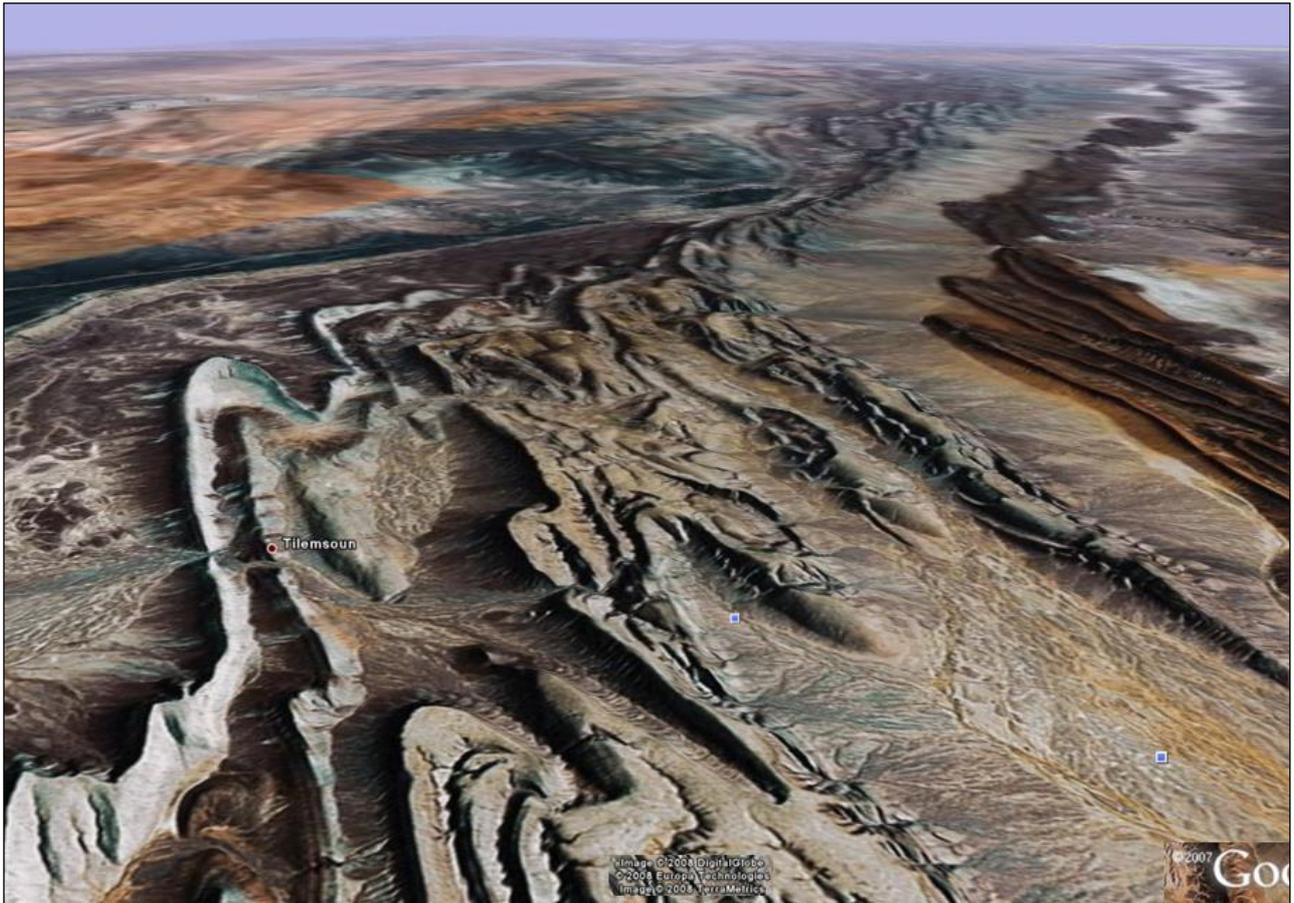
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# Getting ready for Geology

Some materials to help you think about structure

Tim Dickinson - 15 May 2020

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## Introduction

There isn't a lot in the geology syllabus that will be completely new to you. We study the structure of the Earth, plate tectonics, the rock cycle, fossils and economic geology. Chances are you've seen some of all of these topics during your school career. Obviously you'll study them in a lot more detail in Geology but you'll come with some ideas already formed about these topics.

There is one section in the syllabus which you'll never have seen anything like before, and that is structure.

Studying geological structure gives us the the knowledge and skills to describe and explain what shape the rock beds under our feet are. Once laid down a rock bed can be folded, torn in half or even turned upside down.

The 4 worksheets (each has a few pages) that follow take you step by step through the basics of structure. They are hands on and designed to make it easy to understand how different shapes of rock bed look at the surface and how we can use what we can see at the surface to workout how the rock beds are arranged and shaped underground.

You will see that I didn't write these worksheets; they are from a fantastic website called earthlearningidea. If you finish these 4 worksheets with an appetite for more then go and look at the site. The resources are all free, hands on and very well thought out.

I've left the 'teacher instructions' on the worksheets and one of the key skills you'll need to develop to do well in any A level study is the ability to think about how you learn not just what you learn.

Do the worksheets in the order presented;

1. Dip strike model
2. 101\_Mapwork\_1
3. 102\_Mapwork\_2
4. 103\_Mapwork\_3

If you run into problems following the worksheets you can watch video of me working through them step by step. In the video I also explain some of the ideas a little further and show you how the ideas can be applied to make sense of rock beds on walks with my faithful hound Ronnie. The videos are at this link.:

[https://drive.google.com/drive/folders/11NgD5UT2tGVYSYPV\\_6mRLloq0Og\\_M2FQ?usp=sharing](https://drive.google.com/drive/folders/11NgD5UT2tGVYSYPV_6mRLloq0Og_M2FQ?usp=sharing)

I'll see you all in August and we'll be putting this learning to the test on our first field trip where we'll try to make sense of the rocks of the North Somerset coast.

Enjoy...