Geography

1. Localising details:

Subject: Geography Grade: 9
Time: 25 minutes Number of learners: 18
2. Learning intentions of the lesson

Knowledge
Earthquake terminology
Skills
Application of terminology
Values
Understanding base terminology used in real life

3. Curriculum content topic related to this lesson Plate tectonics

4. Lesson theme (a curriculum sub-topic or lesson content theme) Earthquakes

5. Methods, teaching support aids and learning material

Direct instruction, question-and-answer, active learning
Aids and materials: smart board, PowerPoint slides, pictures, video clip.

6. Place of the lesson in the curriculum

Types of plates came first then this lesson, then movements and volcanoes would be next
Lesson content:
Plate tectonics
Richter scale
Seismograph
How earthquakes happen

7. Lesson preparation

I needed to find a video that would show the learners the destructive capabilities of earthquakes and how they would later lead to tsunami's and volcanoes.

I also found images and slides with some information on them to help the learners visualise it.

8. Pattern of the lesson

8.1 Actualisation or recall of existing knowledge
I will use questions on the types of plates to see if learners can recall what the different types are and then see if they can explain the difference between each type (i.e diverging).

8.2 Introduction of the lesson topic
I will start the lesson by using questions that will activate their past knowledge and then we will discuss what the learners know of earthquakes.

8.3 Explanation of new subject matter.
Teacher contribution to lesson
I will research the subject beforehand and have questions ready.
I will start by asking learners: do you know what an earthquake is, what happens and have you ever seen one?

Then I will start by introducing a seismologist, what they do and how they measure earthquakes. I will explain these terms the them and use the board to draw an example of the seismograph.

We will then go through focus point and epicentre. After which I will check they can remember the different movements: converging, destructive etc.

I will then go through the image with the Richter scale on it that shows learners the power needed to create an earthquake of that magnitude.
Once this is done, we will discuss their thoughts on earthquakes and see if they know what the effects of earthquakes can be.
Finally we will end with a video showing the destruction that earthquakes can cause, showing china and Chile especially.