



THM Sadaqa Group, Inc.

Your Standard Salafi Curriculum Guide to Online Salafi Homeschool

Science

Grade 6

Teacher: Saddiqua Muhammad Black

Online Access: Paltalk room/thmsadaqagroup Password: thm100

Class Time: 1:00pm – 1:30pm

Class Days: Mon. & Wedn.

Course: Science – SCI200

Term: Any Discussion Group

Current Affairs/Science Lesson 2

Signs of the Hour

An Increase in Killing, Diseases and Earthquakes

Abou Khadeejah continues, 'from the signs of the hour, also, is that killing will increase. More and more people will get killed to the extent that it is reported from the Messenger of Allaah (sallallaahu 'alayhi wa sallam) that a person will get killed and he will not know why he has been killed, and the who kills will not know for what reason he killed.

New diseases will appear, diseases that have not been seen before. And also, an increase in earthquakes and tremors upon the earth, that they will become more widespread and more frequent. So all of these are from the signs of the hour, which each and every one of us has to take heed of and be aware of, so that we know how to combat the diseases that our peers from amongst mankind, from the diseases of ignorance and becoming negligent is worship, negligent in action and negligent in following the Sunnah of the Messenger (sallallaahu 'alayhi wa sallam).'



Quake sounds reveal earth 'ripping apart'

Scientists may get clues for tsunami warning systems By Marsha Walton from CNN

Wednesday, July 20, 2005; Posted: 5:19 p.m. EDT (21:19 GMT)



And Allah says in Surah Az- Zalzalah: 99

“When the earth is shaken with its (final) earthquake. And when the earth throws out its burdens. And man will say: “What is the matter with it?” That day it will declare its information (about all that happened over it of good or evil). Because your Lord will inspire it. That Day mankind will proceed in scattered groups that they may be shown their deeds. So whosoever does good equal to the weight of an atom (or small ant) shall see it. And whosoever does evil equal to the weight of an atom (or small ant) shall see it.

From the words of our beloved Messenger (salla allahu alaihi wa salaam)

Narrated Abu Hurairah (may Allah be pleased with him)

“Do you know what it’s information is? The companions said: “Allah and his Messenger know best.” He (salla allahu alaihi wa salaam) said: “Its news is that it will give testimony about the deeds performed over it by every male and female slave of Allah. It will say, ‘Such and such person performed such and such deeds on such and such day’: that will be its information.”

And Allah says: Al-Kahf - 18:49

“And they will find all that they did placed before them”

Read what the scientists have discovered!

Underwater cameras, tsunami buoys, and British Navy sonar documented the huge crack in the ocean floor.

[Oceanographer: Noise 'gave me the chills'](#)
(3:01)



[How tsunamis form](#)
[After the tsunami](#)

(CNN) -- Scientists are gaining insight about December's devastating earthquake and tsunami from the actual sounds of the magnitude 9.3 quake in the Indian Ocean.

"It's really quite an eerie sound to hear the earth ripping apart like that. We hear it on smaller earthquakes quite frequently but something of this scale that goes on for eight minutes is very much unprecedented," said Maya Tolstoy, a marine geophysicist at Columbia University's Lamont-Doherty Earth Observatory.

"It really gave me the chills when I first heard it," she said.

The dramatic soundtrack of the rupture of the Sumatra-Andaman Fault comes from a little known, and sometimes hard- to- access resource. The microphones that captured the sound are part of a global network of instruments that monitor compliance with the Comprehensive Nuclear Test Ban Treaty.

The microphones that picked up this earthquake were located in Diego Garcia, an island more than 1,700 miles from the epicenter of the quake.

The sounds suggest two distinct stages of the underwater temblor.

"What we are able to see is very clearly two phases in the speed of the rupture," said Tolstoy.

"The first third is much faster, the second two thirds slower," she said. The length of the rupture was about 750 miles.

"I look at it mathematically and I study the change in direction of the earthquake," she said. "We are able to tell how long it ruptured, how fast it went, and those are important things to know for disaster mitigation," she said.

Tolstoy and other scientists have had some access to data from the monitoring group, The Preparatory Commission for the Comprehensive Nuclear Test Ban Treaty Organization (CTBTO). In the past researchers have obtained the sounds of other earthquakes, and even the noises made when icebergs cracked.

But a spokeswoman for CTBTO, headquartered in Vienna, Austria, says the group does not have the capability to act as a disaster alert system.

"Our mandate is watching for nuclear weapons testing," said Daniela Rozgonova. "We don't share data directly with scientists. Our data is collected and analyzed, and goes to member states. They decide what to do with it," she said. A total of 121 countries have ratified the nuclear test ban treaty, agreeing "not to carry out any nuclear weapon test explosion or any other nuclear explosion, and to prohibit and prevent any such nuclear explosion at any place under its jurisdiction or control."

But because of the deaths and destruction of last year's Asian tsunami, Rozgonova did say the organization would now share seismic observation data with UNESCO, the United Nations Educational, Scientific, and Cultural Organization. That group is working with many countries that are trying to improve early warning systems for tsunamis. But she stressed there is no way the information could be relayed "real time."

"It's a very sensitive issue obviously because you are monitoring the globe and you can hear relatively small sounds, and so countries are very sensitive about having that information openly released," said Tolstoy.

Tolstoy's research based on the earthquake sounds is published in the July/August issue of Seismological Research Letters.

She said she and other scientists, like many people around the world, felt a real helplessness in watching the effects of the tsunami.

"We obviously can't prevent earthquakes but we'd like to be able to help prevent as much of the damage as possible from a tsunami by providing warning where it's possible. So in the long term we want to better understand how these events happen so we can better mitigate against them," she said.

Hadith: (Protect yourselves from the fire)

“Protect yourselves from the fire, even if you do so with a part of a date (by giving it in charity); when one doesn't find (anything), then with a good word.”

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Research:

Looking under the current news for science, please locate any additional articles you can find in reference to this subject. Once you find the article make sure you site the source that was used (where the article came from; what website, or book, magazine etc...)

Writing Exercise:

Using your finest handwriting possible inshaAllah, please summarize the articles that you found into a one-page document, make sure you include lots, and lots of facts according the scientist who did the research. (Some tips to follow: if you are going to use a quote from someone you will need to make reference to the person who made the statement.) For an example you can look at the hadith given above, inshaAllah.

Tafseer of the Ayaat:

Choose one or more of the ayaat that have been presented to you in this lesson. And read the Tafseer from Ibn Katheer. To assist you in this, if you do not possess the books at home, go to www.thenoblequran.com. From this page you can type in the verse you are looking for inshaAllah, and it provides speedy results too! Once you have read the Tafseer, go back and look at your writing exercise, making a numbered list (1, 2, 3) explain how the article is in relationship to the ayaat. (Ask your parents for assistance if you need to)

Hadith:

Give examples of how you can save yourselves from the fire while practicing the Sunnah.

Additional Reading:

- <http://www.cnn.com/SPECIALS/2005/tsunami.aftermath>

Don't forget to **CLICK** the picture above....it will take you to a whole new look of science materials.....Have Fun exploring!