Y8 Earth and Universe Homework Grids

Name:	 	
Science Teacher:		

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Grid 1.1: U	se KO 30-31	Due:
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How are sedimentary rocks formed?	What type of rock is granite? Explain how it's formed.
What conditions are needed to turn sedimentary rocks into metamorphic rocks?	What are the chemicals that make up rocks called? How are they arranged in igneous rocks?

Grid	1	.2:	Use	KO	30-	-31
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What is the difference between weathering and erosion?	Higher: Compare the three types of weathering.
List the steps involved in turning sediment into an igneous rock.	

Grid	1.	3:	Use	KO	30-	-31
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Describe biological weathering?	Which type of weathering is caused by changing temperatures? Describe how it works.
Describe chemical weathering?	What does "transport" refer to in the rock cycle?

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Higher: Explain why there are no fossils in igneous rocks

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How long does it take for the earth to rotate on its axis? What is this called?	Why do we have day and night?
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Explain why we have leap years.	New Zealand is on the opposite side of the earth to the UK. What causes summer and winter there?
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What is the difference between a solar eclipse and a lunar eclipse?	Higher: Explain why it is difficult for us to leave Earth.
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A lunar eclipse is sometimes called a blood moon. Suggest why?	

Grid 1.7: Use KO 4-5 Due	e:
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How many times does the earth go around the sun in 5 years? Show your working	List the planets in order of size (smallest to largest)
One mars year is 687 days long. In 3 mars years, approximately how many earth years have passed?	
Does an exoplanet orbit the sun? Explain your answer.	How many light years away is our nearest star? Explain your answer.

Grid 1.8: Use KO 4-5	Due:
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Explain why it is hotter in summer than in winter	Why don't scientists use kilometres when looking at distances between stars?
What is the link between distance from the Sun and temperature on planets?	Higher: Draw a diagram of the seasons