

Thursday, 26 January 2017 ONLY

EARLY DISMISSAL

SIXTH GRADE

7:10 – 7:20	Arrival
7:20 - 7:30	HR
7:33 – 8:03	1 st Period
8:06 – 8:36	2 nd Period
8:39 – 9:09	3 rd Period
9:12 – 9:42	4 th Period
9:46 – 10:16	LUNCH
10:20 - 10:50	6 th Period
10:54– 11:24	7 th Period
11:27 - 12:00	8 th Period



Jan 26-6:45 AM

Plan of the Day:

Unit 2 Disciplinary Core Ideas

1) FINISH working on your prediction map essays (due TODAY: 1/25, A-day & 1/26, B-day)

2) CONTINUE reading and answering questions in Unit 4. I will check Unit 4 Lessons 2,3,4 & 5 today.

ESS2.A: Earth's Materials and Systems

- All Earth processes are the result of energy flowing and matter cycling within and among the planet's systems. This energy is derived from the sun and Earth's hot interior. The energy that flows and matter that cycles produce chemical and physical changes in Earth's materials and living organisms.

ESS1.C: The History of Planet Earth

- Tectonic processes continually generate new ocean sea floor at ridges and destroy old sea floor at trenches. (HS.ESS1.C GBE),(secondary)

ESS2.B: Plate Tectonics and Large-Scale System Interactions

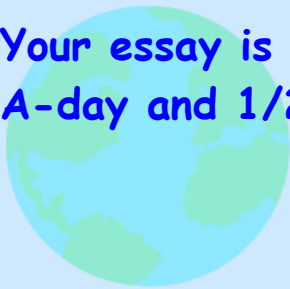
- Maps of ancient land and water patterns, based on investigations of rocks and fossils, make clear how Earth's plates have moved great distances, collided, and spread apart.

Sep 17-11:35 AM

If you have been faithful and focused in all the classes supporting this project, your prediction map should already be **COMPLETED** and your essay should have been either outlined or started.

Your essay will use **CLAIM-EVIDENCE-REASONING** to explain how and why the Earth will look 100,000,000 years from now!

Your essay is due at the **END** of class today (1/25, A-day and 1/26, B-day).



Feb 26-2:06 PM

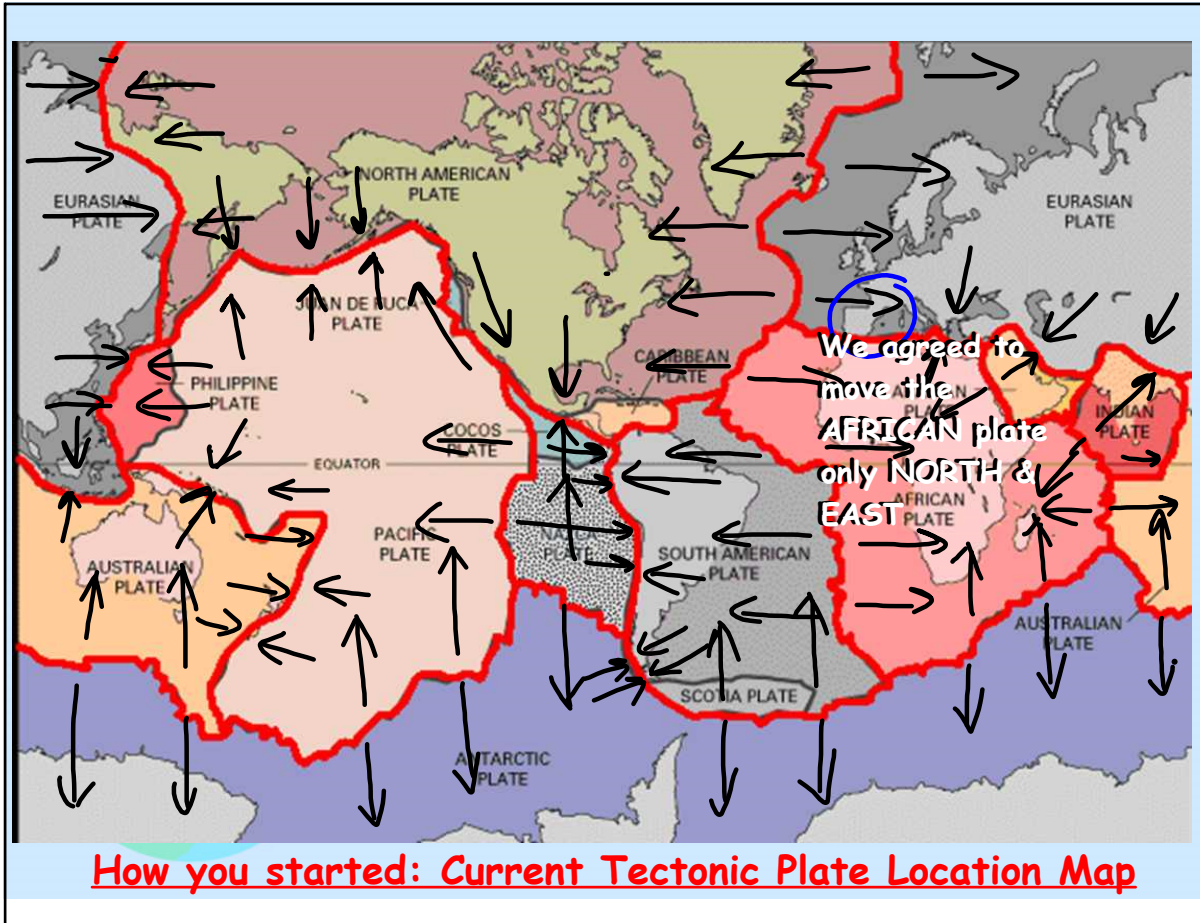
Remember, your **ESSAY** is **HALF** of your grade for this project and **MUST BE** a **MINIMUM** of **3 paragraphs!**

The **MAP** is the other **HALF** of your grade.

Refer to your rubric as a refresher for how I will score your project.

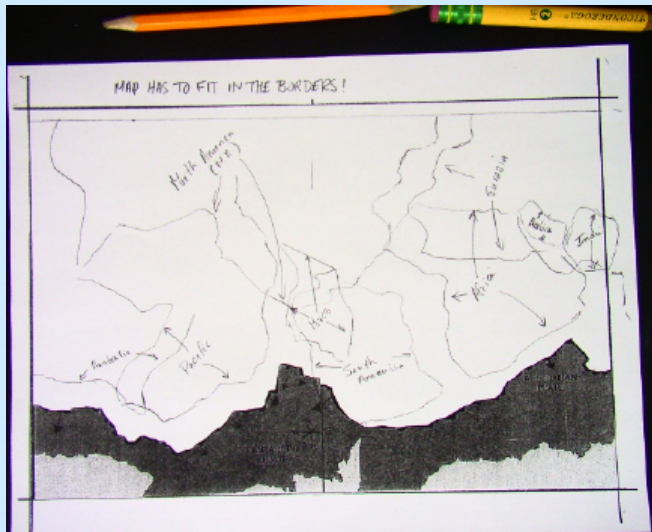


Feb 28-7:58 AM



Mar 7-6:35 AM

You marked each plate's movement



Approach?

Move and mark the location of each plate **ONE AT A TIME** along the Antarctic plate to help you determine where each plate will be located. (See below).

The Nazca and Pacific Plates are OCEAN CRUST ONLY plates.

The Arabian plate is a CONTINENTAL CRUST ONLY plate.

All other plates carry BOTH continental and ocean crust.

Helpful hints!:

Glue down the Antarctic plate so you have a reference point.

Move each plate the equivalent of 1000 km (Spain and Portugal together is the right distance, ~ 6 mm).

Because you anchored the Antarctic plate, you will need to leave a space representing 1000 km of crust addition. Then add another space representing the growth of each plate diverging from it. Then move the plate the distance it moves east or west. Mark the lower half of the plate and label it. This will help you keep track of the relationships between plates before you glue anything!

Don't forget that there is a small convergent boundary on the western tip of the South American plate that does something interesting. This was modeled in class!

Feb 10-7:02 AM

IMPORTANT REMINDER!

Earth's crustal plates CANNOT "leap-frog" over one another.

That means, 100,000,000 years from now the current plates will remain surrounded by the same plates surrounding them now. If you carefully followed the instructions for each plate's movement, plate "leap-frog" did NOT happen and only the shape, size and location of the plates will differ!



Mar 10-6:40 AM

What you should have ended up producing.

Earth 100,000,000 years in the future



Feb 8-7:03 AM

How you should have solved the case of the out-of-bounds plates:



Cut the map in half and "swap" the sides so the Eurasian plate is now in the middle! Glue to the sheet of paper with the border of the original map.

Feb 10-7:03 AM

1) 1st Paragraph - Make the BIG claim:

In 100,000,000 years, the Earth's surface will look quite different.

- a) Support your claim by talking generally about how the three different type of plate boundaries contribute to that claim.
- 2) 2nd Paragraph - Make a claim about ONE of the three types of boundaries.
 - a) Support that claim by evidence (features) YOU SEE in your map (use the vocabulary).
 - b) Explain WHY you see that evidence (use the vocabulary).
- 3) 3rd Paragraph - Make a claim about ANOTHER of the three types of boundaries.
 - a) Support that claim by evidence (features) YOU SEE in your map (use the vocabulary).
 - b) Explain WHY you see that evidence (use the vocabulary).
- 4) 4th Paragraph - Make a claim about the REMAINING boundary.
 - a) Support that claim by evidence (features) YOU SEE in your map (use the vocabulary).
 - b) Explain WHY you see that evidence (use the vocabulary).
- 5) 5th Paragraph- Restate your original claim
 - a) Restate the general evidence (features) YOU SEE in your map (use the vocabulary).
 - b) Re-explain WHY you see that evidence (use the vocabulary)

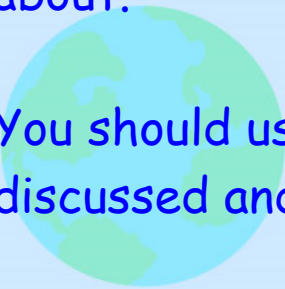
Feb 10-6:46 AM

Remember: the opening CLAIM for your essay should look like this:

In 100,000,000 years, the Earth will look quite different!

or be similarly broad to give you a lot to talk about.

You should use ALL of the vocabulary already discussed and listed next page!



Feb 10-6:56 AM

TOPIC SENTENCE SUGGESTIONS!

1st Paragraph:

In 100,000,000 years, the Earth's surface will look quite different.

2nd Paragraph:

Convergent boundaries caused many of the changes seen.

3rd Paragraph:

Divergent boundaries also contribute many changes.

4th Paragraph:

Although there are very few, transform boundaries change ocean and continental landscapes.

5th Paragraph:

As you can see, the Earth will look very different far into the future.



Feb 12-7:39 AM

Expected vocabulary for the essay:

Divergent	Convergent	Transform
Gain crust Sea-floor spreading Mid-ocean ridge Rift valley Earthquakes	Lose crust Subduction Subduction zone Ocean trench Mountain building Earthquakes	Neither gain nor lose crust Plates slide past each other Earthquakes

Miscellaneous terms for the essay:

Magma Lava Plate boundary Tectonic plate	Basalt Granite Ocean crust Continental crust	Fault Mountains Convection currents
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Feb 8-6:53 AM

Divergent	Convergent	Transform
Mid-ocean ridge, sea-floor spreading: North American + Eurasian South American + Africa Antarctic + Australian, Pacific, Nazca, South American and African Rift valley: African + Arabian, Indian (we ignored the African side of this boundary)	Mountains: North American + Eurasian Eurasian + African, Arabian, Indian South American + North American Volcanic mountains: Pacific + North American Pacific + Eurasian Nazca + South American Ocean Trenches: Pacific + Australian	Shift in location: Pacific + North American (San Andreas Fault)

Feb 12-9:07 AM

TWO (2) OPTIONS for turning in your: **Forecasting Plate Drift - 100,000,000 years into the Future** project:

1) You may use google-docs through your **SMCPS** gmail account to write and submit your essay (share with me - no need to print!): **lgmorin@smcps.org**

Staple your **RUBRIC** to the back of your **PREDICTION MAP** so the **RUBRIC** faces **OUT**.

OR

2) You may hand-write your essay on lined paper.

If you choose the latter, staple the **RUBRIC** to the **BACK** of your map so the **RUBRIC** side faces out. **THEN** place your essay **BETWEEN** the **RUBRIC** and the **MAP**. Do **NOT** staple the essay to the map or rubric!

PLACE your **MAP** and **RUBRIC** or **MAP, ESSAY & RUBRIC** in the **TAN MORIN BIN** at the front of the room.

Mar 7-10:41 AM

UPDATE ON DUE DATE of project:

Forecasting Plate Drift 100,000,000 Years into the Future

UPON ENTERING the **CLASSROOM**

A-day January 30th

B-day January 31st

Place **MAP** and **RUBRIC** in **TAN MORIN BIN** with **ESSAY** tucked in between.

Submit **WORD** or **Google-Docs** no later than the **MORNING** end of Home Room.

Jan 26-11:57 AM

County Benchmark:
Grade 6 Science Mid-term Exam
study materials:

[http://mrsmorin.weebly.com/uploads/
8/8/2/9/8829074/2017_flash_cards.pdf](http://mrsmorin.weebly.com/uploads/8/8/2/9/8829074/2017_flash_cards.pdf)



Jan 25-7:07 AM