| DCIS Plan of the Day: | ESS2.A: Earth's Materials and Systems <br> - 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. <br> ESS1.C: The History of Planet Earth <br> Tectonic processes continually generate new ocean sea floor at ridges and destroy <br> old sea floor at trenches. (HS.ESS1.C GBE),(secondary) <br> ESS2.B: Plate Tectonics and Large-Scale System Interactions <br> Maps of ancient land and water patterns, based on investigations of rocks and spread apart. |
| :---: | :---: |
| 1) Watch BrainPop video |  |
| 2) CONSTRUCT your Inside the Earth 3D Model project model based on your group's collective research according to agreed upon tasks (Pie Chart of Participation on rubric reverse). |  |
| 3) COMPLETE the Pie Chart of Participation on the rubric's reverse AFTER the model is completed. |  |
| 4) Organize your notes with your rubric for collection Thurs/Fri. |  |
| *RESEARCH NOTES | be turned in for a 24 point PROCESS grade* |

## Today is Day 3! You will have TODAY, to construct your models based on your earlier research.

## We will do a Gallery Walk on Day 4 (Thurs/Fri) at the BEGINNING of class:

## Gallery Walk:

A-day 15 December
B-Day 16 December


Dec 8-6:22 AM

YOUR First and Last Name
YOUR First and Last Name Name Your Class Today's date Inside the Earth 3D Model - Pie Chart of Participation

Complete the following pie chart once the project has been completed. Assess how much of the project is your own effort and how much is the effort of each group member. Be honest, fair and accurate in your assessment. I will be making my own observations.

Individual Task Responsibilities


## REMEMBER:

I will collect EACH student's research notes for a 24 point PROCESS grade. Notes MUST be extensive enough to reflect you contributed what you agreed to AND that information was included on the model.

I will assess each group's model during the Gallery Walk for a PRODUCT grade. Each group member will get the grade the project earned UNLESS participation in the process was below what you agreed to do on the Task Assignment list.
You MUST turn in your RUBRIC with your NOTES

Dec 6-2:58 PM


Your group will receive ONLY 4 pieces of construction paper, blue, red, orange and $y$ zllow.
(1) Make CAREFUL decisions about how to use each sheet:

1) Decide how to use color to represent temperature and pressure.
2) Measure twice, cut once! You only get one of each, PERIOD!
3) Place ALL usable scraps in the TAN Morin Bin on the student table. That will insure you have "back up" in case you do measure wrong.

WRITE the information onto each layer AFTER you have cut it to size and BEFORE you tape it to the base color of your model.
One sheet will stay whole as the BASE SUPPORT for your model.
STAY FOCUSED! You have ONLY today to get your model completed! COMPLETED models are stored in the class-labeled drawers on the HALLWAY side of the classroom.

Put your CLASS \& TABLE \# somewhere on your model for identification.
FILL OUT the Pie Chart of Participation, once done, PRIVATELY!

Dec 13-6:24 AM

What do you need to know to determine the thickness of each layer on YOUR model?

1) The ACTUAL thickness of ALL layers combined.
2) The ACTUAL thickness of YOUR layer.
3) The SIZE of your model (either 9 inches or 12 inches)

Set up ratios into an equation as modeled in class previously:

Actual Layer thickness (km) = Layer Size on your model (unknown inches ALL Layer thicknesses combined $(1 \mathrm{~m}$ ) Size of your model (9 or 12 inches)

You may use the calculators at the end of the student table IF you return them to their pockets when done!
Return all scissors and rulers to the student table as well!

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KNOWN: 1) The ACTUAL thickness of YOUR layer. (ALT)
KNOWN: 2) The ACTUAL thickness of ALL layers combined. (ALTC)
UNKNOWN: 3) The SIZE of YOUR LAYER in your model (YLM)
KNOWN 4) The SIZE of your group's model (YGM), either }9\mathrm{ inches or }1
        inches
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Set up ratios into an equation as modeled in class previously:

Actual Layer thickness (km) = Layer Size on your model (unknown inches)
ALL Layer thicknesses combined Size of your group model (9 or 12 inches)


ALT (km) in all the texts ALTC (km) in all the texts YLM (in) UNKNOWN! YGM (in) your group decides

IF your model had ALL four layers equal in size, this is what it would look like.

BUT, all your layers are NOT the same size...


## TectonicPlateSong-G.notebook

InsideEarthModelGroupProjectRubric.doc
Continents_Adrift__An_Introduction_to_Continental_Drift_and_Plate_Tectonics.asf

