Layers of the Earth
Instructor: Dianne Phillips

Team Members:
Alison Dunaway, Ashley Davis, Jamie Brown, & Rachel Oliver
Introduction

- We partnered with Cathy Crouch that teaches 3rd grade GT (gifted and talented) students at John Tyson Elementary School to compose a project to help further the student’s knowledge on a subject.
Project Overview

- Our group members and Kathy decided to teach the 3rd grade GT students about the physical and chemical layers of the earth...therefore, our project was named “Layers of the Earth.”
Community Benefits

- We provided students with knowledge they will use in their future about the layers of the earth and the two different models of the earth (physical and chemical).
- Also, student’s often respond better to guest speakers. (Which would be us..Plus Ali) ☺️
Curriculum

As future teachers, we..

- Developed higher order thinking skills to use in forming our own lesson plans

- Learned effective communication skills with students and faculty

- Gained proficiency in modern use of technology
Technology

- Microsoft Power Point
- Microsoft Word
- Digital Camera
- Computers
- Printer
- Email
- Flash Drive
Skills Accomplished as a Team and Individuals

- Team Work
- Communication
- Organization
- Responsibility
- Learning
- Cooperation
- Professionalism
- Becoming Best Frans!
- Becoming better cooks
Methodology: Division of Labor

- Ashley - In charge of contacting Cathy Crouch, PowerPoint presentation, creating the lesson plan, preparing worksheets for the kiddos, assisted in making physical model, presented her part of PowerPoint.

- Alison - Assisted in making the physical model of the earth, gathered supplies for the physical model, took pictures of presentation, made PowerPoint.
Division of Labor Continued..

- Jamie - Made her house available for meetings, assisted in making the physical model, did research for PowerPoint presentation, made final PowerPoint, presented her portion of the PowerPoint.

- Rachel - Made apartment available for meetings, assisted in making the physical model, made final PowerPoint, and presented her portion of PowerPoint presentation.
Preparation

- Contacting Ms. Crouch
- Have team meetings outside of the classroom
- Coming up with a plan of action for our lesson
- Dividing out our duties evenly for each team member
- Getting supplies needed for the presentation
- Deciding on what equipment will be used in the presentation
Putting Our Plan Into Action!

- The first part of our presentation was to give each of the kids a word search with all the important words we were going to use in the PowerPoint. We did this to familiarize the kids with the words so they weren’t totally lost during the presentation.
The second part of our presentation was to explain the layers of the earth with a PowerPoint and during this time, the kids took notes in their notebooks. They defined words that they didn’t know and also wrote down facts that they thought were important.

During this time, each of the group members had an assigned layer of the earth to describe.
For the third part of our presentation, we made a yummy and delicious physical model representation of the earth using sugar cookie, frosting, and fresh fruits!

We had pre-made the cakes the night before the lesson.

The cakes were divided by fruit. The blueberries were the crust of the earth, the peaches were the mantle, the bananas were the outer core, and the strawberries were the inner core.
Reviewing the Kiddos

- After all the fun of the cake was finished, we had the kids do a fill-in-the-blank worksheet dealing with the layers of the earth.
- During this time, we went around to each table and helped the kids remember what was on the PowerPoint.
- They also were able to look back on the notes they took to help them answer questions.
Project Results

- As a team, we helped collaborate worksheets, PowerPoint's, and even a food model to teach students about the Physical and Chemical models of the earth.
Future Project Ideas

- A future group could definitely expand on this project by teaching for different grade levels by either expanding the curriculum for higher grade levels or condensing it down for lower grade levels of education.
Acknowledgements

- Cathy Crouch-3rd grade GT teacher
- Dianne Phillips-NWACC professor
- John Tyson Elementary School

THANK YOU! 😊