

Student Work

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Teaching History with Google Earth

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TEACHING HISTORY WITH GOOGLE EARTH

JOSEPH JASPER – DORDT COLLEGE – IDEAFEST 2015



INTRODUCTION



← YLST Program →



Teacher Inquiry Project

EXAMPLE OF "OLD LESSONS"



Geography of Africa

EXAMPLE OF "OLD LESSONS"

Nile River



EXAMPLE OF "OLD LESSONS"



EXAMPLE OF "OLD LESSONS"

Nile River



PROS AND CONS OF POWERPOINT

Pros:

- Mildly visual
- Creative freedom (images, videos, charts, tables, etc.)
- Easy to share files with the class



Cons:

- Mildly visual
- Lessons get monotonous

PROS AND CONS OF GOOGLE EARTH

Pros:

- Very visual
- Tools and features ideal for teaching history/geography
- Better sense of size/scale of content
- Still able to share files with students
- Easy to learn



Cons:

- Can't include some key items (text, videos, charts, tables, etc.)
- Program is not ubiquitous

EXPERIMENT #1: "USE *GE* INSTEAD OF *PPT*"

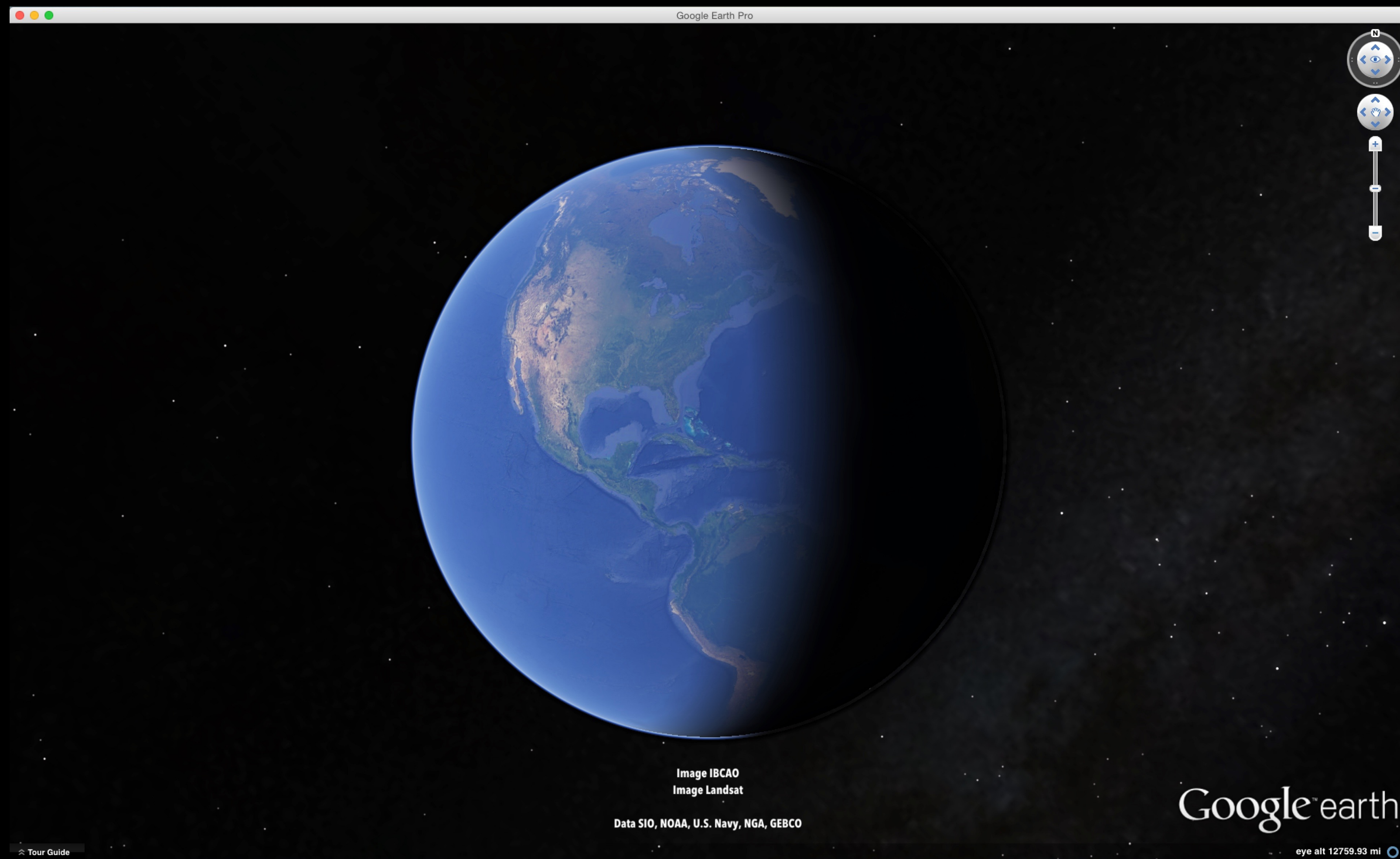


The Idea:

- Google Earth will be more functional, visual, and fun than a PowerPoint

EXAMPLE OF "NEW LESSON"

"Geography of the Middle East"





SurveyMonkey®

SURVEY RESULTS

"WHAT DO YOU *LIKE* ABOUT USING GOOGLE EARTH?"

- "It was more visual and easier to understand. Easier to follow along."
- "I think the visuals give me a better idea of where the place is located. I like being able to see the surrounding areas around that specific place."
- "I was a lot easier for me to understand where places are and how they work in relation to other parts of the world."
- "I like how I could see how far away places were compared to other places."
- "I don't really know. I just think it's fun and you can see things more in reality, I guess"
- "It is cool"

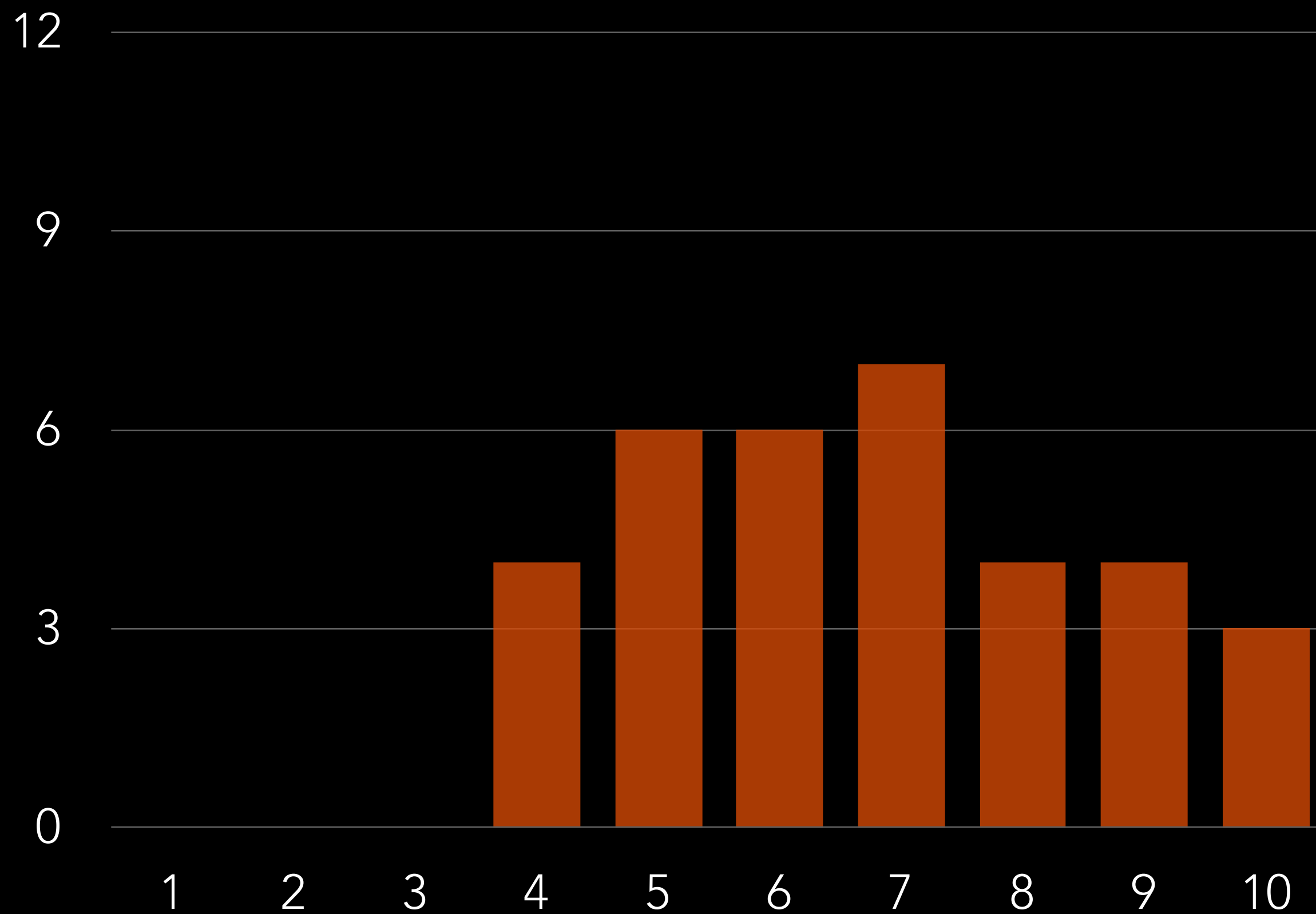
Emphasis Added

"WHAT DO YOU *DISLIKE* ABOUT USING GOOGLE EARTH?"

- "I don't like how you cant show better colored pictures like you can on a powerpoint"
- "You can't see up close pictures."
- "It is kind of distracting. There's a lot of cool features on it which might take away the issue of focusing on what's being taught."
- "I do not like the fact that it was easy for you to go faster...it helps to see certain pictures instead of just the earth and ground."
- "You are not able to know spelling because there are not any words unlike power point."
- "I dislike its complexity"

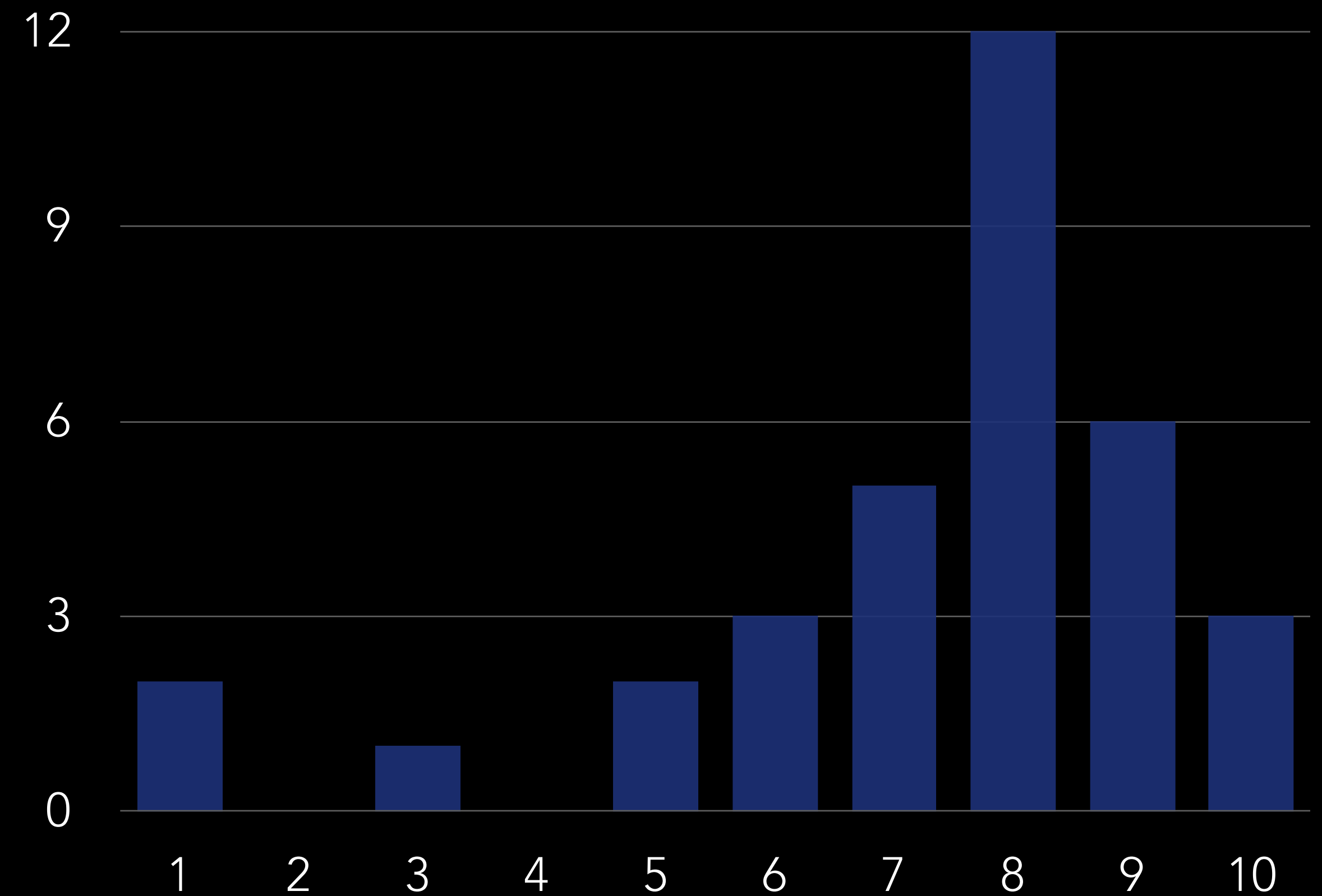
Emphasis Added

"FROM 1-10, WHAT IS YOUR OPINION OF..."



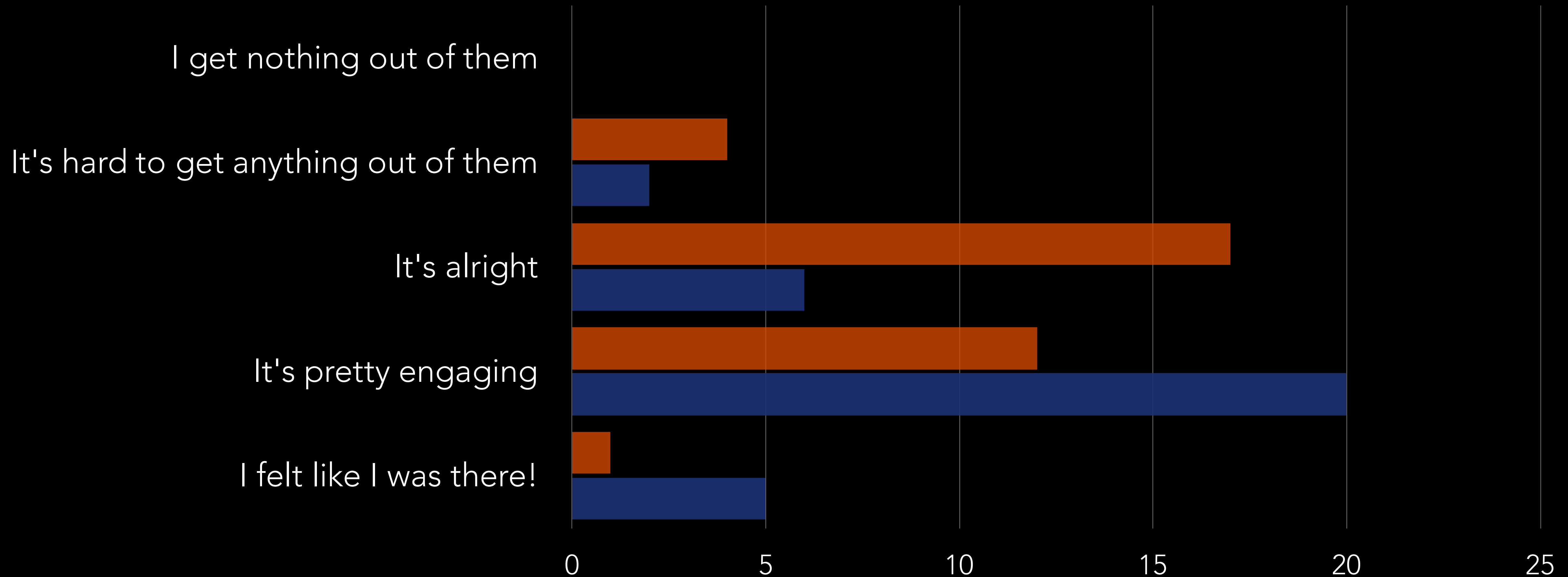
Avg: 6.74

34 respondents



Avg: 7.29

"HOW DO THESE PROGRAMS MAKE YOU FEEL ABOUT THE PLACES?"



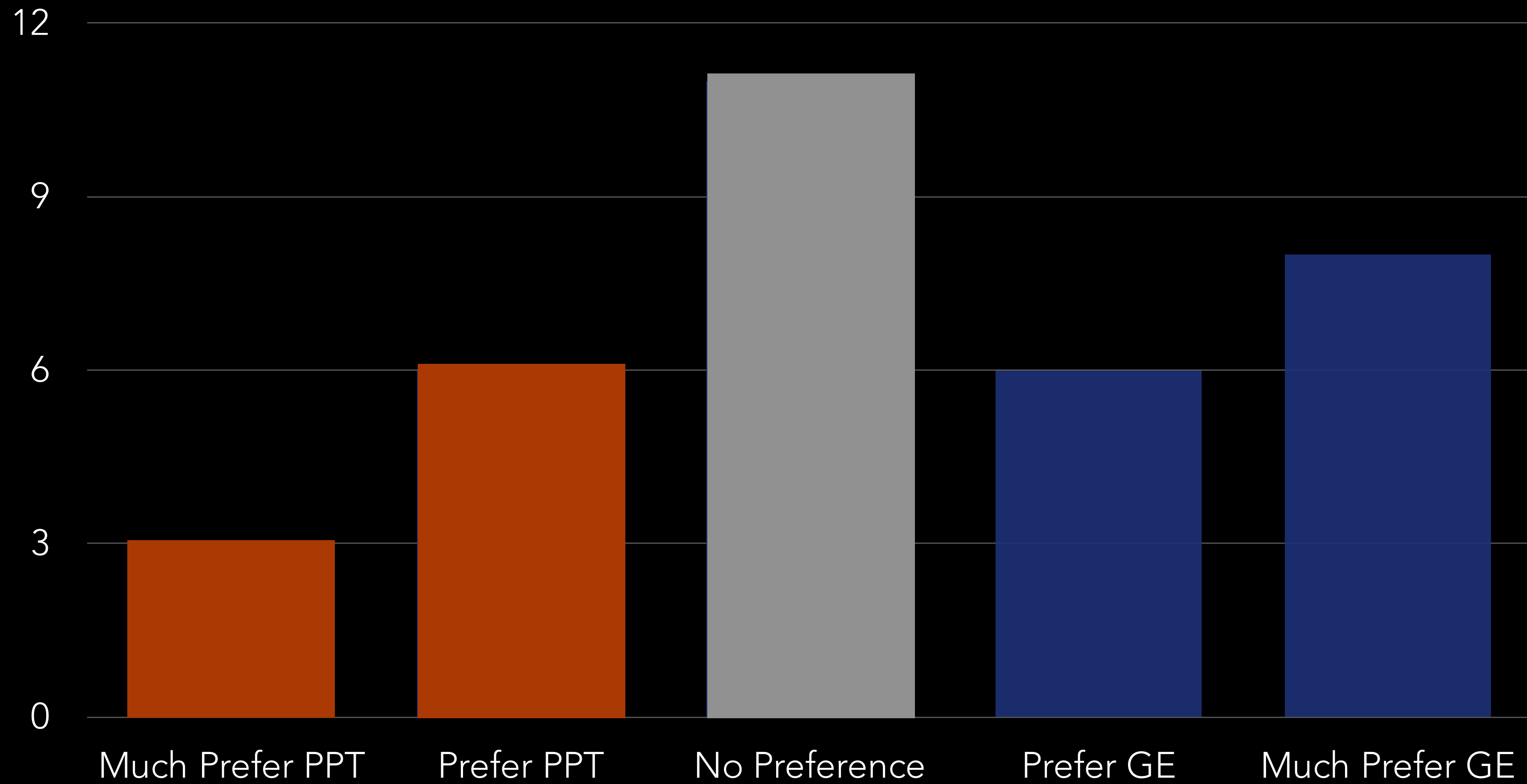
Avg: 3.29

34 respondents



Avg: 3.85

"WHICH OF THESE TWO WOULD YOU WANT TO USE IN THE FUTURE?"



34 respondents

"HOW WOULD YOU LIKE TO USE PPT/GE IN THE FUTURE?"

- "Google Earth makes you see it better as real life. Use Google Earth again!
More engaging"
- "I think that it was okay. However i like PowerPoint much better than Google Earth."
- "Maybe sometime, I think it is a good visual. But I would not use it for a whole lesson. Pictures on powerpoints work too."
- "I liked it but I wouldn't care if we used power point also."
- "I think a little bit of using both would definitely be more enticing than using one or the other."

Emphasis Added

EXPERIMENT #2: "COMBINE" PPT & GE



The Idea:

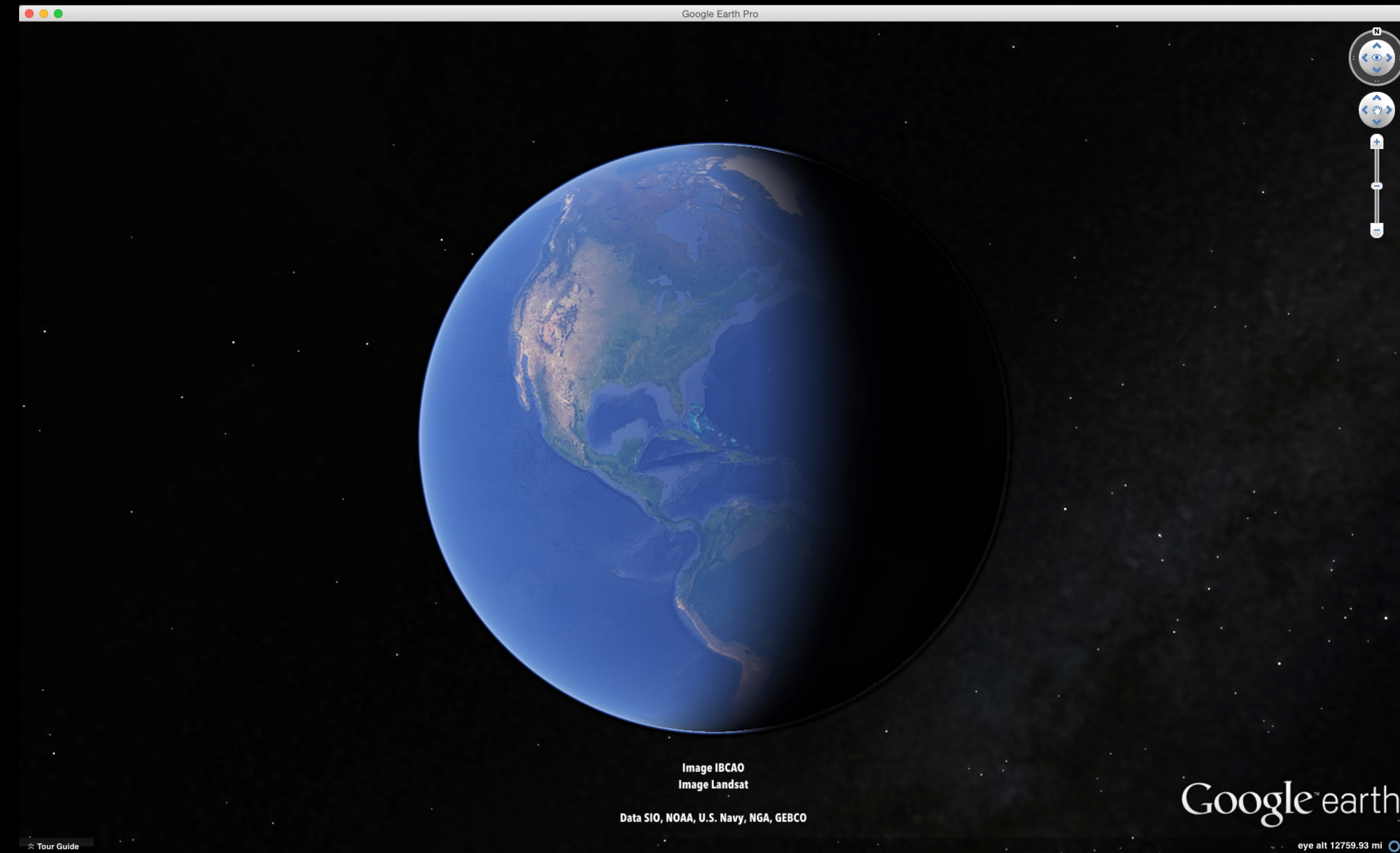
- Teach with PowerPoint and Google Earth, concurrently
- Use whatever is better suited for the present task
- Utilize the "Pros" for and eliminate the "Cons" from each

EXAMPLE OF "NEW NEW LESSON"

"History of the Middle East"



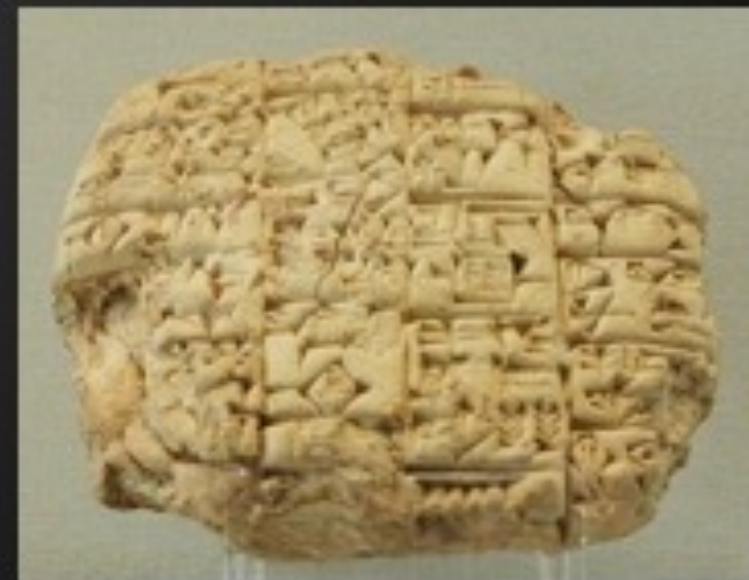
Geography & World Cultures



EXAMPLE OF "NEW NEW LESSON"

Earliest Civilizations

Sumer



5500BC

First civilization

Cuneiform

Egypt



3150 – 300BC

Hieroglyphics

Pyramids, Sphinx,
etc.

Babylonia



1800 – 600 BC

"Hanging Gardens"

Once enslaved the
Israelites

EXAMPLE OF "NEW NEW LESSON"

Later Civilizations

Persia



500 BC – 600AD

Freed Israelites

Roman



43 BC– 476 AD

Largest Empire ever

Political, cultural
influence still today

Ottoman



1299 – 1923 AD

Bridged "East" and
"West"

Fought in WWI

EXAMPLE OF "NEW NEW LESSON"

Crusades



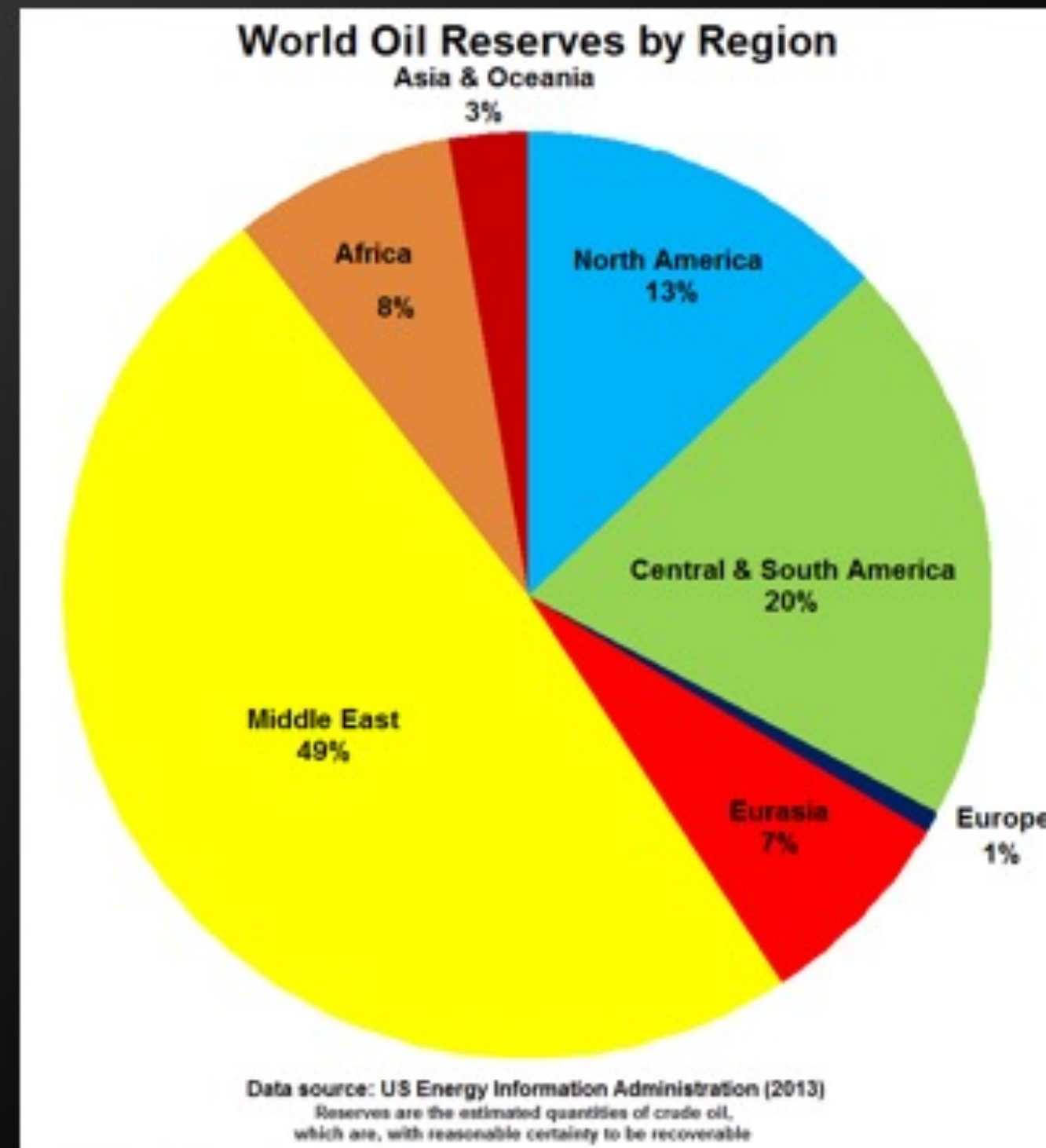
Pope Urban II



- "Holy War"
- Muslim Memory
- East vs. West

EXAMPLE OF "NEW NEW LESSON"

Oil



49% of natural oil deposits

81% of oil reserves

OPEC – 12 countries

CONTACT INFO

More Questions? Comments? Want materials/examples?

Please feel free to email me at: jsphjspr@dordt.edu

Thank you for coming! Enjoy Ideafest!