SO WHY...
EXPLORE
SPACE?

Dr. Katherine Auld
Statistics we have all seen and heard before
Severe shortage of STEM educated personnel
The problem is not really education or salary.
We all know that not enough students stay in STEM programs in college.
So what is the real problem?

Why don’t the students stay in STEM programs?
Pre-existing personal or intellectual interest in STEM is the clue.
WHO... Explore Space?

How do we create that personal interest?

Catch students before they decide science is boring and math is hard

Space catches imagination.
WHO... Explore Space?

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Who... Explore Space?

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Space catches imagination.
How do we create that personal interest? Catch students before they decide science is boring and math is hard. Space catches imagination.
WHEN... Explore Space?

In every class
Math/Science
History
English

At the library
At the park
WHAT... Explore Space?

Chemistry
WHAT... Explore Space?

Chemistry
WHAT... Explore Space?

Geology
WHAT... Explore Space?

Geology
WHAT... Explore Space?

Geology
WHAT... Explore Space?

Math
WHAT... Explore Space?

Math
WHAT... Explore Space?

Math
WHAT... Explore Space?

Electric/Magnetic/Gravitational changes in Space
WHAT... Explore Space?

Electric/Magnetic/Gravitational changes in Space
WHAT... Explore Space?

Astronomy
WHAT... Explore Space?

Astronomy
WHAT... Explore Space?

Astronomy

Observing Journal

20 July 1610

30. Mond: ** O

2. Xbr: O ** *

3. Mond: O **

3. Ho. s: ** O *

4. Mond: * O **

6. Mond: ** O *

8. Mond H.13: * * O

10. Mond: * * O *

11. * O *

12. H. Qued: O *

13. H. Qued: O *
WHAT... Explore Space?

Engineering
WHAT... Explore Space?

Engineering
WHAT... Explore Space?

Engineering
WHAT... Explore Space?

Engineering
WHAT... Explore Space?

Engineering
WHAT... Explore Space?

Engineering
WHAT... Explore Space?

Atmospheres
WHAT... Explore Space?

Atmospheres
WHAT... Explore Space?

Atmospheres
WHAT... Explore Space?

Physics
WHAT... Explore Space?

Physics
WHAT... Explore Space?

Physics
WHAT... Explore Space?

History
WHAT... Explore Space?

History
WHAT... Explore Space?

History
WHAT... Explore Space?

History
WHAT... Explore Space?

English
WHAT... Explore Space?
WHERE... Explore Space?

Everywhere!

Class
Outside
Library
TV
Fieldtrips
QUESTIONS?