

Poetry ~~in~~ Motion: on

Rapping Newton's Laws

Example of a science rap:

The NGSS Science Practices

Science takes practice, say the NGSS;
Of all the ways to practice, there are 8 that we stress!

(1) Ask questions & define problems.

Practice 1: ask a good **ques-TION!**

(2) Develop & use models.

Practice 2: try to **model** what is true!

(3) Plan & carry out investigations.

Practice 3: work **experimentally!**

(4) Analyze & interpret data.

Practice 4: show your data, then **say more!**

(5) Use computational/mathematical thinking.

Practice 5: let your **math** brain thrive!

(6) Construct explanations.

Practice 6: **explain** and **predict!**

(7) Engage in argument (persuasion) from evidence.

Practice 7: use **evidence** as a weapon!

(8) Obtain, evaluate & communicate information.

Practice 8: be an **information gate!**

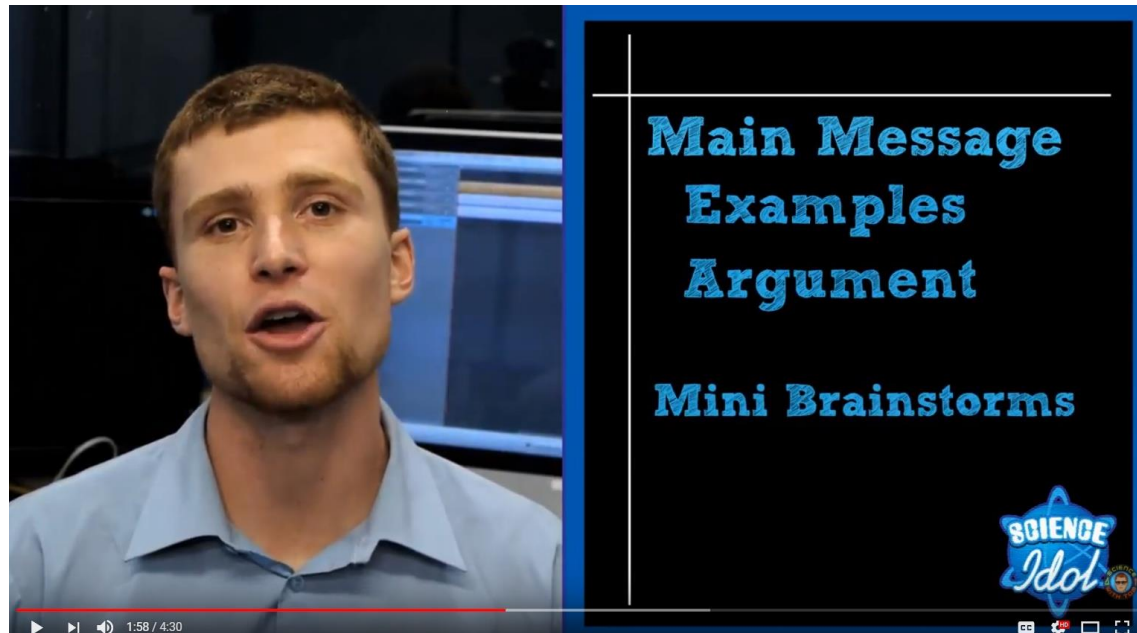
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Project summary

- Work in groups of 4
- Create a rap (30-60 seconds) about Newton's laws of motion
- Use one of Mrs. Tsagalakis's beats
- Due date: a few weeks from now...
- Live performance with background slide(s)
- 4 songs advance to YouTube!

Science lyrics

- Content should be reasonably accurate, but in your own words
- Cover all 3 laws of motion
- Freedom to give examples of all 3 laws or explore 1 in depth
- Tips from Tom McFadden of “Science with Tom”:
<https://youtu.be/tjoLyScqESc?t=1m39s>



How to get started

- Don't plunge straight into lyric-writing!
- First review the laws, checking and extending your understanding.
- Write down any questions you have; get answers!
- As you go, start collecting ideas for themes, "hooks," rhymes, etc.
- Rhymes and rhythms need not be perfectly regular!
- Think about division of labor
 - facts vs. words vs. performance vs. slides