Patricia Hunter

From: Jonah Hill
Sent: Friday, November 6, 2015 8:22 AM
To: Teresa Gerchman; Christian Zafiroglu
Cc: Patricia Hunter
Subject: Re: SS
Attachments: WHY DO WE NEED GOVERNMENT.docx; WHY ARE THERE DIFFERENT STRUCTURES OF GOVERNMENT.docx

Here you go. My units are based on the Delaware Civics Syllabus. We haven't received any training on the Delaware State Standards. We did spend a day training on the EngageNY social studies resources, and we were given two potential syllabi to choose from, which should still be available in dropbox. Also, I met Francis O'Malley during our PBL training and he introduced me to some helpful resources. I've continued to reach out to him for assistance.

From: Teresa Gerchman <TGerchman@innovativeschools.org>
Sent: Thursday, November 5, 2015 10:38 AM
To: Christian Zafiroglu; Jonah Hill
Cc: Patricia Hunter
Subject: SS

Can you please send me any unit plans you have developed or are using for your units this year? Also can you share with me any training you received around the DE state standards for SS?

Thank you

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Patricia Hunter

From: Carol Yamarino
Sent: Thursday, November 5, 2015 3:51 PM
To: Teresa Gerchman; Kathy Von Duyke
Cc: Patricia Hunter
Subject: Re: Science

I just finished Astronomy. I started with project-based learning about planets. Students were to research an inner planet they thought humans would someday be able to inhabit. Each day the students were presented with an assignment that guided them towards information about their planet of choice. This PBL activity occurred over a period of 4 weeks and culminated with presentations that included Power Points and (mostly) posters.

The next component of the Astronomy unit addressed the Sun and Our Stars. Students were led in direct instruction with guided notes. Guided reading passages were also provided that accompanied guided worksheets. Two formative quizzes along with a Summative Unit Test (this past Tuesday/Wednesday) was administered.

The next unit of study introduces students to an "Open Syllabus". This will allow the students to pick a topic based on an essential question of anything 'Earth Science". The intent is to get the students to correlate the vast array of earth science topics with real world problems, issues, or, good things!. Students are guided with a thorough list of websites they can access during class time while in the computer lab. This forum will continue through Thanksgiving break and projects will be due the last week of November/first week of December. The intent is to pique the interest of each student by letting them choose a topic of choice such that they learn while intrigued.

I have multiple files I can provide you with that were used to implement instruction. Do you want them? I can also provide weekly lesson plans. Let me know what you want.

As for learning DE standards, yes they were provided during our summer training by Tricia. I also utilize and correlate my lessons to the NGSS (Next Generation Science Standards) and the Project 2061 Science Literacy Big Ideas in Science.

Thanks!
-Carol

From: Teresa Gerchman <TGerchman@innovativeschools.org>
Sent: Thursday, November 5, 2015 1:38 PM
To: Kathy Von Duyke; Carol Yamarino
Cc: Patricia Hunter
Subject: Science

Can you please send me any unit plans you have developed or are using for your units this year?

Patricia Hunter

From: Katherine von Duyke <kvond12@gmail.com>
Sent: Thursday, November 5, 2015 4:21 PM
To: Carol Yamarino
Cc: Teresa Gerchman; Kathy Von Duyke; Patricia Hunter
Subject: Re: Science

For Biology:

We began with NGSS big theme of Structure and Function (LSA1)
We used a combination of guided notes, lecture videos with Cornell notes, do nows and packets to learn the structure of cells and the function of the parts as well as variations in different tissues and some associated disease states, for ex. sickle cell anemia. Students use www.Ck12.org for their quizzing/testing part of the grade and as a textbook in preparation for their having their chrome books. Students made models of typical animal cells with labels and information cards explaining the functions of the organelles. Students are still finishing their summative/formative testing on this unit as

I next initiated Open Syllabus as a means to engage students by the topic of their choice. This will be full on when Chrome books are available. We are currently covering the theme of Growth and Development (LS1B) especially Mitosis and Meiosis. Students have several packets that they are working through that function as guided notes, are working online, and are sometimes painting or modeling materials. Some students have made models of cells or tissues. The lab supplies I ordered have still not arrived but we hope to begin looking at tissue samples under the microscope and develop an electrophoresis lab in the next unit.

Our next unit will be based on Inheritance of Traits (LS3A) and Variation of Traits (LS3B) genetics and DNA. Students will be studying Mendel, Punnet Squares, anomalies, etc. Some students have begun longer research projects on topics of their own choice. We will next follow LS1C Organization for Matter and Energy, however, some students may split into interest specific topics. My plan is to offer a core theme, but provide students with alternative chapters should they choose them once laptops arrive.

For Earth Science, I follow Carol's plans.

My training was the same as Carol's at the Met, additionally, in my ARTC program at the University of Delaware I work with a science mentor. I use the NGSS because my academic coach in ARTC suggested that these are the most important to follow. I'm also happy to provide more detailed plans and materials.

Cheers,
Kathy von Duyke

> On Nov 5, 2015, at 3:50 PM, Carol Yamarino <Carol.Yamarino@demet.k12.de.us> wrote:
>
> I just finished Astronomy. I started with project-based learning about planets. Students were to research an inner planet they thought humans would someday be able to inhabit. Each day the students were presented with an assignment that guided them towards information about their planet of choice. This PBL activity occurred over a period of 4 weeks and culminated with presentations that included Power Points and (mostly) posters.