**GK-12 Bioenergy Sustainability Project Weekly Meetings**

**(ZOL 895, Section 401)**

**Fall 2013 - Fridays 1:15 to 3:15pm – Stack Hall 145**

2/21/2014

Business

1. **2** minute roundup
2. Schedule classroom observations

C. Blog posts for the website – please send me some content!

Activity – Pedagogy!

A. Framework for teaching: (readings attached to email)

1. What should everyone understand about science?

a. Big concepts:

Science for all Americans (AAS) Chapter 1

b. The K-12 science standards:

Find the DCI standards for **your** GK-12 classrooms: <http://www.nextgenscience.org/search-standards-dci>

How are the NGSS different from earlier standards?

[Appendix A - NGSS](http://www.nextgenscience.org/sites/ngss/files/Appendix%20A%20-%204.11.13%20Conceptual%20Shifts%20in%20the%20Next%20Generation%20Science%20Standards.pdf)

What do learning progressions look like in NGSS?

[Appendix E – NGSS](http://www.nextgenscience.org/sites/ngss/files/Appendix%20E%20-%20Progressions%20within%20NGSS%20-%20052213.pdf)

2. How are various types of pedagogy used to teach these big ideas?

a. How inquiry and backward design fit in to NGSS

Llewellyn - Teaching HS science Chapter 1 (scan)

Backwards Design

B. Design your own Data Nugget!

1. Incorporate NGSS for your topic.

2. Think about what you want the students to learn up front

3. Data Nugget resources [HERE](http://datanuggets.org/)

4. Use the Data Nugget template

Future

1. Next week we’ll talk about assessment.

Please have your Data Nugget ready to test in the classroom!