

## **Science Department Meetings 2012-2013**

August 21

Sula

Susan

Lisa

Austin

Mary

Melissa

Quarterly Assessment

Using PDP intertwined with PLC meetings

1st nine weeks collaborative grouping critical friends  
Use personal goals to drive

Wednesday being more structured

Evaluating PDPs looking at our personal goals

Looking at tuning/rounds

Planning schedules and mentoring

Greatest Lesson Plan Share

**August 22**

Present

Sula

Lisa

Susan

Austin

Mary

Melissa

Assessment PLC

Shared with interns the Assessment set up

Discussed Conference

Discussed PDP

Handed out artifact documentations to share within department to create paper trail

Diversity price

Discussed Goal 4

Using Rubrics

Putting Goal 4a in our PLC (using data) to drive instruction

Problems in science

Graphing

Conversions

Dependent and independent variables

Shared best practices for grouping and assessment

### **Science Department August 28**

Sula

Melissa

Austin

Susan

Lisa

Absent: Mary

Continue PDP Discussion

Signed PDPs

Heath and Sutton Joins

CTE Department Joined to Review our department set up for New teachers

Discussed CIA

Collaboration 1st 9 weeks

Increased Rigor 2nd 9 weeks

Assessment 3rd 9 weeks

4th 9 weeks is reflective.

Discussed How PDP intertwined with department goal.

Creating documents and artifacts for assessment

Goals to focus on for PDP and PLC

Sula  
Rubrics  
Collaborative

Susan  
Data  
Assessment

Lisa  
Data  
Diversity

Austin  
Data Driven Instruction  
Parent involvement

School Improvement Plan

Collaboration- how to group Students

CIF strategies

New Core Standards is all literacys

**Science Department August 29**

Sula  
Austin  
Susan  
Lisa  
Mary  
Melissa

Assessment being less planned.

Using Wednesday to share best practices

Discussed Lisa Group reviews games

Discussed Austin's Group Quiz

Low stakes writing

What sciences require a formative test?

How do we know that the student is learning?

Susan shares a video assignment with low stakes writing With 6th graders

Talked about open ended questions in low stakes writing

Using it to see where your students are

### **Science Department September 4**

Present

Lisa

Sula

Austin

Susan

Mary

Melissa

Kestler Presenting

Questions for Group

Heterogenous Groups

Testing

Data

Making the activity better

Stay away from test

Small medium large

grouping structure

Higher order questions for high flyers

Try homogenous group

4 tiers high mid mid low

Letting middle fly higher

Time component

Performance component

Using rubrics

Staying on task

Team building

High flyers homogenous then allow them to be leader groups

Teaching collaboration vs testing individuals

Timed math problems

#### **Science Department September 5**

Sula

Austin

Susan

Lisa

Mary

Melissa

Sula presents her Unit 2 Test

Ask if the test is confusing.

Discuss period differences

Discussed Review Questions

Discussed Writing vs multiple choice

students not getting certain tools from labs

Not happy with how slow the course is vs results

Sophomores not ready for chemistry

Chemistry as a year long course

Sophomores with seniors maybe an issue

Using evaas

Science Department

September 11, 2012

Susan

Austin

Lisa

Melissa

Mary

Absent

Sula

Lisa presenting lesson

students choose their on groups

Based on seating for the first week of school

Biochemistry

create a slogan to go with a health advocacy

One class period

How to get more out of it

Does this activity need groups

Do I keep this project?

Did I achieve my goals?

Students testing waters for projects

Food marketing spin

Group Roles

Discussed Group Equity

Discussed Future Labs

Lisa to presents biochem test for Wednesday

Susan discuss inquiry with 6th graders

helped susan with questioning

Science Department Meeting

September 12

Sula  
Austin  
Lisa  
Susan  
Mary

Absent  
Melissa

Discussed Engineering Club

Lisa shares Biochem test

Wants department to look over questions

Discussed questioning

Discussed retakes and how to give credit

Capturing Rigor by not handing out grades

Cap on retest grades

Discussed some labs for bio as a revisit of concepts for cell structure.

Talked about probe wear for labs that we are trying to get with grant.

Vernier Rep coming for site visit

## Science Department Meeting 9/18/12

Sula  
Lisa  
Austin  
Susan  
Mary  
Melissa

Sula presenting the story so far.  
Sula wants better creative vocabulary  
Disappointed in this years writing compared to last years

Sula gave them the whole unit to write.

Used rubric to grade creative writing.

Sula read last years to them

Lisa suggest giving a more in depth font

Mad Libs

Planning a prompt for upcoming unit

Unit is on atomic structure and bonding.

giving the options / different stories

Brochures for factual students.

Developing a rubric for the factual projects

Science Department September 24

Sula  
Austin  
Susan  
Lisa  
Mary  
Melissa  
Assessment

## Traditional Assessment

How do you document new forms of assessment

Biology still formal based on eoc

Earth and environmental

Susan shares her awards proposal lesson and assessment

Using writing to learn as assessment

What is an experiment to a sixth grader

What did the student learn

Using verbal and written

Using school wide rubrics to grade skills

Used peer graphic organizers

White board content

Presentation of student understanding

Exit ticket

Using reflection to assess

Plan backwards

Have the goal in mind and plan the lesson around the goal

Weighted systems vs points system

Small medium large grades

10% performance

No zero policy

50/50 lesson structures

## Science Department September 25

Sula

Austin

Susan

Lisa

Mary

Melissa

Susan presenting gardening project. Upgrading it this year

Connecting vermiculture with gardening

Comparing agriculture and sustaining life with modern life

Humans in a giant ecosystem

2 will have enriched soil 2 will not for spinach growth.

Setting it up as experiment that is friendly to water table

1 to 1 chart to show documentation of the growth of the plants.

6 to 8 weeks

How much work it takes to produce a little food

Project based on global for do supplies.

Projecting the small scale test up to the global issues

Looking at native growth habits

Looking at yields and making the project look at figuring out how much time and effort it would take to fix the food crisis  
Yields, soil quality, seeds and genetics  
Why are they cutting down rain forest  
Drainage issues, water issues. Weather issues  
Crop rotation  
Increasing content in the project  
Large scale sustainability  
Loosing the real world element  
How to use pond

Science Department Oct 2

Kestler

Sula

Lisa

Mary

Melissa

Absent

Susan

Kestler Share Project

does it meet th standards

Water

Electricity

How to survive

Show on discovery about survival

water filtration system

Electricity making with generators

Issue by issues

Food source water issue

Health objective

Trebuchet

Review

Honors showing beyond the scope of standards

Real world

Have the take the role of dr Manhattan

Nuclear physics goals and objectives

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Science sequence discussion

Numbers game

Science Department October 3

Kestler

Sula

Lisa

Mary

Melissa

Susan

Testing schedule

2nd 9 weeks planning

Planning Sick Days

Pushing back unit plan

Dec 21st last day

2nd nine weeks is only six weeks

Planning for assessment

grades due Friday

Grading on fair assessment

CIF strategy training

Writing to learn

Entrance ticket

Narrative feedback

School wide rubric

Rubric grade develops the 21st century learner

How to grade on participation

Modeling as a way to demonstrate questioning

Science Department

Common Core Training

Sula

Austin

Lisa

Susan

Vertical Alignment

No Physical Science Class

Discussed Articulation

Looked over atlas books about the vertical alignment

Discussed Differentiation

Breaking Engineering the future into having physical science goals

Discussed we projects for engineering that contain missing elements of chemistry

Brainstormed ideas for chemical engineering projects dealing with the environment

Redesign the periodic table

Mixing and matching chemicals to solve a problem

Discussed what was needed in biology from the lower sciences  
Looked at the similarities in chem and physics with physical science  
Looked at Differentiation for hire students in biology to develop and teach lessons  
Discussed the positives and negatives of the applications of science course  
The placement of 8th grade science in the bigger picture

Science Department

Intern meeting

School Improvement Plan

Kestler

Susan

Sula

Lisa

Tiffany

Mary

Melissa

Discussed Teacher Rulebook

Social networking policies

IEP and 504 classroom procedures

How to group with students with 504s

Pick students that are nurturing

Protecting the privacy of students

Extended time?

Seeking principle for council

Abuse ethics

Grades ethics

October 16

Kestler

Susan

Sula

Lisa

Mary

Melissa

Susan shares assessment

The idea of databases

Creating literacy

6th grade spiderweb graph

Meta cognitive thinking

Pre assessment  
75 questionnaire  
then brought the data in from multiple class groups  
Learning about themselves is key to engagement  
Real science?  
Evolving to a science fair project  
Coteaching with Frederick  
Questions too basic?  
How to strengthen writing skills  
Have them discuss their learning types  
Keeping data over the years  
M and m labs  
Grade level variable

Science Department Meeting  
Kestler  
Susan  
Sula  
Lisa  
Tiffany  
Mary  
Melissa  
Site visit discussion  
Talked about Lisa's lesson  
discussed the old core standards  
Missing the scientific method  
Assessment based on reflection

Science Department Meeting  
Sula  
Austin  
Lisa  
Mary  
Discussed 1st Nine Weeks  
Did we meet the collaboration goals  
Kestler increased Group Quiz and enhanced its presence  
Teachey felt that her class was already group based in labs and Engineering  
Duchesne brought up grouping styles and how to assess grouping styles  
Increasing rigor while still covering all material  
Pacing with high fliers  
Cutting labs to make time?

Helping Interns unit plans

Discussed using engineering class as science fair projects

Science Department Meeting

Susan

Austin

Lisa

Mary

Melissa

Austin shares rotational motion unit with group quiz assessment

Using the unit circle

Teaching math in science

Teaching outside the standard course of study

Teaching pH in chemistry using logs

Calling on past teacher experience

Student shutting down at math concepts

Balancing equations discussion

Science Department

Sula

Lisa

Austin

Susan

Mary

Tyler

Science department not meeting Wednesday

Lisa shares assignment

Genetics unit

Some info given, video

Human genome project

Research paper for genetic disorder

Assigned for homework

Not followed up with good turn in

A protocol to share the papers

Intimidation to paper

Technical writing vs descriptive

High stakes writing

Pen pal idea

Students emotionally ready for some of the issues

Pamphlet for support group

Abstracts

Discussion portion of a lab report

Science Department Meeting

Susan

Austin

Sula

Lisa

Mary

Melissa

Sula shares group element project

How to group them

How to asses

Songs,poems raps vs autobiography

Trading cards

Tic tac toe

Fake books

Writing Portfolios

High stakes writing

Paper

Grouping

Making the periodic chart friendly

Scheduling for next year discussion

Science Department Dec 3

Action Plan Reflection

Susan

Lisa

Austin

Mary

absent

Sula

Melissa

Planned Mentor meetings

Looked ahead to exam week scheduling

Discussed our department meeting vs other departments

How we used Wednesday

Keep it more formal?

Looking at quarter 3: assessment

Using the action plan to drive PLC

bringing formal assessments

Test and labs

Intermediate assessment  
Example of assessment techniques that have worked  
Item assessment for data collection  
Collecting artifacts  
Data driven instruction  
Kestler discussed Dr. white observation  
Talked about 504s and inclusion

Science Department December 4

Frederica's Email

Susan

Lisa

Austin

Absent

Sula

Mary

Melissa

Met with New Schools Coach Frederica  
Discussed Goals and Expectations  
Coach will be available 6 days next semester  
Discussed Personal Goals and Department Goals  
Increasing rigor  
Differentiation  
Sequence discussion  
Transition with middle school  
Class size  
Planning Tuesdays and Wednesday  
January 29  
February 12

January 8, 2012

Sula

Lisa

Susan

Austin

Mary

Melissa

Science Department

Looked at PDP

Signed PDP and set up dates for mentor observation.

Set up Spring semester share dates for PLC

January 9, 2012

Sula (late)

Lisa

Susan

Austin

Mary

Melissa

Discussed with interns about their first couple of days

Teacher voice

Difference between talking to adults and students

Getting students to want to do vs being told to do

Shared some of our strategy with interns dealing with you students.

January 15 Science Department

Susan

Austin

Mary

Melissa

Sula

Lisa

Kestler Sharing Assessment

shared his diagnostic test

And essence writing for engineering

Wanted to know what to do with data and how to collect more as we go

Showing work

Inequalities

Word problems

Upping the rigor

Graphing

Pre calc question

Complex diagram for interpretation

Can give another diagram

Arnold Aaron's

Khan resource

Stations that teach word problems and interpreting diagrams

January 16

Susan

Austin

Mary

Melissa

Absent

Lisa

Developing a few new projects in 6th grade

Misconceptions in science

Shared resources

Phet

Mary shared quiz with group

How to grade

Parents, students, teacher. All the roles involved in who sees the grades

Balancing grades easy vs difficult

Lots of grades

Retake policies

Failing kids does not improve their performance

Students performing differently for different teachers