IMPLEMENTING SELF-PACED LEARNING THROUGH A FLIPPED CLASSROOM MODEL

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WHY? – SCIENCE

• Diverse learning needs
• Student centered classroom
• Adaptable
• Time
WHY? - LANGUAGE

• More class time
  • Instruction in target language

• Meet needs of new generation of students
HOW? - SCIENCE

- Schoology
- Videos
- POGILs
- Laboratories
- Stations
3.1 Worksheet (% Composition)
(1) Complete the assignment. Must show ALL work for full credit.
(2) Submit picture(s) of completed assignment.
- Due Tuesday, February 20, 2018 at 9:15 am and 2 other dates

3.2 Worksheet ODDS
(1) Complete the assignment. Must use dimensional analysis and show ALL work for full credit.
(2) Submit picture(s) of completed assignment.
- Due Thursday, February 22, 2018 at 1:15 pm and 2 other dates

3.3 Worksheet ODDS
(1) Complete the assignment. Must use dimensional analysis and show ALL work for full credit.
(2) Submit picture(s) of completed assignment.
- Due Monday, February 26, 2018 at 10:00 am and 2 other dates

7F Reviewsheet
- Must Complete
- Due Thursday, February 21, 2018 at 8:00 am and 1 other date

Intro Stoichiometry Study Guide 17.18.pdf
- 3 sections

7F Reviewsheet ANSWERS
- 3 sections

Intro Stoichiometry Study Guide 17.18.pdf
- 3 sections

Unit 07 Test (Stoichiometry)
- Due Monday, March 26, 2018 and 1 other date

Unit 7 Test Self Evaluation
(1) Complete the assignment
(2) Submit picture(s) of completed assignment
(3) Hand in completed assignment
- Due Wednesday, April 4, 2018 at 9:15 am and 2 other dates

Unit 7 Test Corrections
1) Complete on a separate sheet of paper to be handed in.

Reminders:
1) term 3 definition 3 provide example
For multiple choice - show ALL work and box new final answer
What is the main concept used to balance a chemical equation?

- All ions must be the same
- The number of each type of atom must be the same on both sides of the arrow
- Only the number of hydrogens must be the same on both sides of the equation
- Only the number of carbons must be the same on both sides of the equation

ok so now that we visually balance the
HOW? - LANGUAGE

• Tackling Grammar Concepts
  • Video Lessons
  • Group Work

• Mastery of Vocabulary
  • Students receive a list of 40-50 new terms that they must practice and master on own time
  • On Schoology there are 3 levels of vocabulary mastery quizzes that students must complete by a certain date
Future Time in German

13 views

Jack Dillifey
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Questions

Question 1 (1 point)
An ordinal number indicates the position of something in a sequence.
- True
- False

Question 2 (1 point)
In German, the ordinal numbers are formed by adding -te to the numbers 1-19.
- True
- False

Question 3 (1 point)
In German, the number 10 and above are each given an ordinal by adding -te to the numbers.
Kapitel 9 Mastery Quiz 1

1-20  Random Question Set
20 of 60 questions - 1 pt each - 20 total pts

Question 6 (1 point)

stückelich _______

Blank 1:

Question 7 (1 point)

die Sonnenbrille, -e _______

Blank 1:

Question 8 (1 point)

der Hinter _______

Blank 1:
RESULTS - SCIENCE

• Higher assessment scores
• Better course grades
• Greater retention of material
• Students take more responsibility for their own learning
• Lessons can be more fluid (scientific)
• Self-directed learners
• Lower learners get more one-on-one time with me
• Higher learners help others (better retention) and move more quickly
• Absences
• More material covered
RESULTS - LANGUAGE

- Main goal of all language courses is for all students to become effective communicators in target language
- Flipped and self-pacing has pushed students to master and utilize new grammar concepts and vocabulary
- Greater retention of vocabulary and material
- Students began to ask the “right” questions more often
- Students progressed more quickly and was able to cover more material
- Weakest students improved the most
- Stronger students more focused and able to progress at own pace
- Improved test & quiz scores
RESOURCES - SCIENCE

- Learning platform
  - Schoology, Edmodo, Google classroom
- Video production
  - Explain Everything, Screencast-O-Matic, Powtoon
- Video hosting
  - Vimeo, YouTube
- Video streaming
  - PlayPosit, EdPuzzle
- Classroom management
  - Classcraft, ClassDojo
- Review games
  - Quizlet, Kahoot!, PlayMada
- Grading
  - Kaizena
# Class Tools

Use these tools to gamify your lessons. [Find out more](#)

## Mage Class
- **Level:** 1
- **HP:** 25
- **AP:** 50
- **XP:** 135
- **GP:** 275

## Warrior Class
- **Level:** 1
- **HP:** 80
- **AP:** 30
- **XP:** 205
- **GP:** 275

## Healer Class
- **Level:** 1
- **HP:** 50
- **AP:** 35
- **XP:** 185
- **GP:** 275

## Warrior class (same as above)
- **Level:** 1
- **HP:** 70
- **AP:** 30
- **XP:** 270
- **GP:** 275
### Data and Results:

#### a. Observation Data:

<table>
<thead>
<tr>
<th>Reaction Type:</th>
<th>Before Reaction:</th>
<th>During Reaction:</th>
<th>After Reaction:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cu and air—synthesis</td>
<td>-Column of shiny copper. Some grey</td>
<td>-Copper got shinier</td>
<td>-Remains as shiny as during reaction and cools down</td>
</tr>
<tr>
<td>Ammonia and HCl—synthesis</td>
<td>-Ammonia looks like water</td>
<td>-Ammonia and HCl give off gas</td>
<td>-Looks the same as the beginning</td>
</tr>
<tr>
<td>Copper(II) carbonate—decomposition</td>
<td>-Copper(II) carbonate looks like greenish grey sand</td>
<td>-Copper(II) carbonate becomes darker. The burning wood gives off a smell that I cannot describe</td>
<td>-Looks slightly darker</td>
</tr>
<tr>
<td>Hydrogen peroxide and Manganese (IV)—decomposition</td>
<td>-Hydrogen peroxide looks like water. Manganese (IV) looks like black ashes</td>
<td>-There is a black fizzle and lots of bubbles (effervescence)</td>
<td>-Looks like black water with some bubbles</td>
</tr>
<tr>
<td>Zinc and HCl—single displacement</td>
<td>-HCl looks translucent. Zinc looks like grey rocks</td>
<td>-Effervescence. Grey specks appear. High pitch sound</td>
<td>-Looks the same as during the reaction</td>
</tr>
<tr>
<td>Al and CuCl₂—single displacement</td>
<td>-Al is tin foil. CuCl₂ looks like green chumps/sheddings</td>
<td>-Blue water. Tin foil turns into a brown/red color</td>
<td>-Blue water with a brown tint</td>
</tr>
<tr>
<td>Zn(C₂H₃O₂)₂ → Na₂PO₄—double</td>
<td>-Zn(C₂H₃O₂)₂ looks like white crystals.</td>
<td>-Zn(C₂H₃O₂)₂ looks like water with salt</td>
<td>-Everything is the same as during the reaction</td>
</tr>
</tbody>
</table>
RESOURCES - LANGUAGE

- Video production: QuickTime, Screencast-o-matic, and Explain Everything
- Video Streaming: YouTube
- Vocabulary Mastery: Schoology & Quizlet
GET STARTED

• Slow process
  • Start by flipped a lesson then a unit
• Trial and error
  • Find what works for you
• Words of advice… Boys do better when YOU make the videos