Flipping Physics Lecture Notes:
How to Flip a Classroom – Inside and Out

1) Interact with other flipping teachers.
2) Use other teacher’s lectures.
3) Please, start small!
4) Prepare your students and parents.
5) Don’t increase student workload.
6) Teach students how to study videos.
7) Do in-class what was traditionally done at home.
8) Be amazed!
9) Shift toward student-centered assignments.

Mr.P’s Example Schedule:

<table>
<thead>
<tr>
<th>Home #1</th>
<th>Traditional</th>
<th>Flipped</th>
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</thead>
<tbody>
<tr>
<td>Study:</td>
<td>Worksheet Solutions &amp; Practice Quiz</td>
<td>Lecture</td>
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<tr>
<td>Class #1</td>
<td>Quiz: Previous Concept Lecture: New Concept</td>
<td>Teacher Help: Lecture / Bookwork Lab: Collect Data</td>
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<tr>
<td>Home #2</td>
<td>Homework</td>
<td>More Lecture</td>
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<tr>
<td>Class #2</td>
<td>More Lecture Lab: Collect Data</td>
<td>Lab: Analyze Data Worksheet: Due @ End of Class</td>
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<tr>
<td>Home #3</td>
<td>Lab: Analyze Data</td>
<td>Review Lecture Study: Worksheet Solutions or Practice Quiz</td>
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<tr>
<td>Class #3</td>
<td>Lab: Due @ Start of Class Review Lecture Worksheet: Due @ End of Class</td>
<td>Study: Worksheet or Practice Quiz Finish up the Lab due @ start of Quiz Quiz @ End of Class</td>
</tr>
</tbody>
</table>

Mr. Margolis’ Roadmap*:
1) What do I know?
2) What have I learned?
3) What will I find out and discover?

Mrs. Kirch: Internal Flip
- In class video lectures instead of group lecture.
- [http://flippingwithkirch.blogspot.com/2013/12/a-different-approach-to-flipped.html](http://flippingwithkirch.blogspot.com/2013/12/a-different-approach-to-flipped.html)

Possibly Helpful Definitions:
- Daunt (verb) (usually, be daunted): make (someone) feel intimidated or apprehensive
- Aggregator (noun): A website or program that collects related items of content and displays them or links to them.
- Curate (verb): select, organize, and present (suitable content, typically for online or computational use)
- Egregious (adjective): outstandingly bad; shocking
- Nonchalant (adjective): (of a person or manner) feeling or appearing casually calm and relaxed; not displaying anxiety, interest, or enthusiasm

* Original "Roadmap" credit goes to D. Moran @ The Academy at Eleventh Street.