<table>
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<th>Week</th>
<th>Date</th>
<th>Class / Topic</th>
<th>Assignments</th>
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| 1    | Tues., Jan. 10 7:00-9:00 pm | **Introductions, course syllabus & schedule**  
- Course Overview & course requirements  
- Demo family science/engine activity | Read 4 National Science Teachers’ Association (NSTA) position papers on elementary science education, parent involvement, informal science and your choice; write a one-page reflection comparing the NSTA position statements to your own elementary school science experiences. **Due Jan. 17** [http://www.nsta.org/about/positions/](http://www.nsta.org/about/positions/) |
| 2    | Tues., Jan. 17 6:30-8:00 pm | **Guideposts for Effective Teaching**  
- Learning Styles  
- NGSS as a guide for grade-appropriate instruction  
**Watch Best Practices for Scientists Visiting Classrooms:** [http://www.youtube.com/watch?v=XHl8nXItV8](http://www.youtube.com/watch?v=XHl8nXItV8) -Demo Family Science activity | **Write 2-page essay** about why communication with the public about science topics is important. **Due Jan. 31** (need 5 references)  
2) Find an activity for each of three grade groupings: K01, 2-3, 4-5. |
| 3    | Tues., Jan. 24 7:00-9:00 pm | **Lesson Plan Presentation & Delivery:**  
- Lesson Plan outline: attention-getters, safety, hands-on activities, questioning/ wait-time, fillers, assessment, classroom management.  
2. Prepare elevator speech for your major/career path to present. **Due 1/31**. |
| 4    | Tues., Jan. 31 7:00-9:00 pm | **7:00-7:45 pm Web Design & Science Education** (Sue Hill or Monte Consulting **invited**)  
**7:50-8:30 pm How is Interpretation Different from Science Education?** (Valerie Martin, Isle Royale N.P. **invited**)  
**8:15 pm 5-min. Elevator Speeches** | Attend/participate in a science education **event** (Green Films, dept seminars, field trip, after school class, Carnegie Museum, etc.) and write 1-pg critique/reflection. **Due 2/14** |
| 5    | Tues., Feb. 7 4:45-8:30 pm | **Lab: Baraga Family Science & Engineering Night**  
(ED3510 Comm Sci students assist; ED3511 students present) | 1. Complete Baraga Presenter Eval due 2/14.  
| 6    | Tues., Feb. 14 7:00-9:00 pm | **7:00-7:30 pm a) Share your FSEN experience.  
b) Classroom Management Scenarios**  
**7:30-9 pm Lab: Practice Presentations** | Practice Family Science Night lesson presentation for 2/21 |
| 7    | Tues., Feb. 21 4:45-8:30 pm | **Lab: CLK Elementary Family Science & Engineering Night** (Calumet) – present your lesson 2x | Write reflection of your lesson presentation due 2/27. |
| 8    | Tues., Feb. 28 4:45-8:30 pm | **Lab: Barkell Elementary Family Science & Engineering Night** – present your lesson 2x | 1) Develop draft lesson plan #2. **Due 3/14.**  
2) Select Station Activity for Science Festival 3/17. **Due March 3.**  
3) Write reflection of your lesson presentation **due 3/14.** |
|      | March 6-10 | **MTU Spring Break** | | |
| 9    | Tues., Mar 14 4:45-8:30 pm | **Lab: Chassell School Family Science & Engineering Night** – present your lesson 2x  
(Practice Presentation w/ instructor by pre-arrangement) | 1) Prep for Science Festival station on 3/16 at MUB.  
2) Write reflection of your lesson presentation. **Due Mar 21** |
| 9    | Th., Mar. 16 4:15-8:00 pm | **Western UP Science Fair & Festival**  
- conduct an activity station for Gr. 4-8 students | Write reflection of your station. **Due Mar 22** |
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<th>No.</th>
<th>Date</th>
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<th>Event Details</th>
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<tr>
<td>10</td>
<td>Tues, Mar 21</td>
<td>4:30-8:00 pm</td>
<td><strong>Lab: Houghton Elementary Family Science &amp; Engin Night</strong> – present #2 lesson 2x</td>
<td>Write reflection of your lesson presentation Due Mar 28.</td>
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<td>11</td>
<td>Tues., Mar 28 (March 27-31 CCISD Spring Brk)</td>
<td>7:00-7:45 pm</td>
<td><strong>How Does A Journalist Communicate Science?</strong> Allison Mills, Science writer, MTU <em>(invited)</em></td>
<td>1) Prepare <strong>Flash Presentations</strong> by students on topic of choice: Teach Us Something!</td>
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| 12  | Tues., Apr 5 | 7:00-9:00 pm | **GeoHeritage & Science Outreach** - Erika Vye, Geoheritage Education Coord. *(invited)* 8:15 **Flash Presentations** (5-min.) by students on topic of choice: Teach Us Something! Practice videotaping; TedX assignment prep View sample TedX presentations | 1. Prepare TedX presentation for **4/18**.  
2. Practice lesson presentation for **4/11** |
| 13  | Tues., Apr 11 | 4:00-10:30 pm | **Lab: Family Science Night at Wakefield-Marinesco School, 6:00-7:30 pm CST**                                                                                                                                 | 1. **Write reflection** of your lesson presentation.  
2. Design a 5 min. talk in the TED style on a science topic. *(see rubric)*  
Due: **Apr 18 presentation in class** |
| 14  | Tues., Apr 18 | 7:00-9:00 pm | **TedX Presentation by students** *(see rubric)* Videotape each presentation. **Reflection & sharing.** Put away supplies. Return tax exempt card. LAST CLASS; NO FINAL.                                                   | Write 1-2 page **reflection** that discusses "how your experience in Communicating Science class has increased your awareness and contributed to your academic & professional career. Send by email to instructor by Apr 24.  
Complete course evals online. |
|     | ? hours – Classroom | ? hours |                                                                                                                                                    |                                                                                                 |
|     | ? hours - Lab |          |                                                                                                                                                  |                                                                                                 |