Week #1 – Tues, Jan. 15 ~ 7:00 - 9:00 pm  
**Topic:** Course Overview, Informal Science & Teaching the Scientific Method  
**Assignment:** Read three National Science Teachers’ Association (NSTA) position papers on elementary science education, parent involvement, and informal science; write a one-page reflection comparing the NSTA position statements to your own elementary school experiences.  
**Due:** Jan. 22

Week #2 – Tuesday, Jan. 22 ~ 7:00-9:00 pm  
**Topic:** Learning Styles, Michigan Content Standards, Developing Lesson Plans  
**Assignment:** Find age-appropriate activities that you could present at a family science night to EACH of the following age groups: Grades 1-2, 3-4, 5-6. The three activities should come from different sources (activity guides, internet, NSTA Science & Children journal, faculty, elementary teachers). For each age group: list the activity title, source (complete bibliography), and science/math content standard addressed. Attach a copy of the activity, if it is not from the Center’s collection.  
**Due:** Jan. 29

Week #3 – Tuesday, Jan. 29 ~ 4:15 - 11:00 pm  
(1) Family Transportation Night at Ontonagon Elementary  
**Assignments:**  
(1) Observers/Assistants write a presenter evaluation.  
**Due:** Tuesday, Feb. 5  
(2) Prepare draft Lesson Plan.  
**Due:** Tuesday, Feb. 5  
(3) Prepare 30-minute presentation of your lesson plan.  
**Due:** Tuesday, Feb. 12

Week #4 – Tuesday, Feb. 5 ~ 7:00 - 9:00 pm  
**Topic:** Delivering An Effective Lesson: introductions, attention-getters, safety, hands-on activities, questioning wait-time, fillers, assessment, classroom management.  
**Assignments:** Develop final lesson plan.  
**Due:** Monday, Feb. 11 (email to jchadde@mtu.edu)

Week #5 – Tues, Feb. 12 ~ Practice Presentations (by arrangement)  
**Topic:** Sign up for 1.5 hour presentation slot; observe another student’s presentation.  
**Assignment:** Practice your family science night presentation at home.

Week #6 - Tuesday, Feb. 19 ~ 4:30 - 8:30 pm  
(2) Family Engineering Night at Ironwood Elementary (Ironwood)  
**Assignments:**  
(i) Write self-critique.  
**Due:** Tuesday, Feb. 21  
(ii) Make adjustments to your family science night lesson/presentation, as needed.

Week #6 - Saturday, Feb. 23 ~ 9:00 AM - 1:00 PM  
(3) Parents & Daughters Engineering Spectacular at Michigan Tech  
**Assignment:** Write self-critique.  
**Due:** Friday, March 1

Week #7 – Tues., Feb. 26 ~ 4:30-8 pm  
(4) Family Science & Engineering Night at Washington Elementary (in Bessemer)  
**Assignments:** Write self-critique  
**Due:** Monday, Feb. 25
Week #8 – Tues., March 5 ~ 4:00-10:45 pm  (Depart 4:40 PM from 115 GLRC)
(5) Family Science & Engineering Night at Barkell Elementary School in Hancock
Assignments: Write self-critique. Due: before spring break

March 11-15 ~ NO CLASS ~ MTU SPRING BREAK

Week #9 – Tuesday, March 19 ~ 4:30-8:30 pm  (Depart 4:30 PM from 115 GLRC)
(6) Family Engineering Night at Houghton Elementary School
Assignments: Write self-critique. Due: March 25

Week #10 ~ Tuesday, March 26 ~ Practice Presentations (by arrangement)
Topic: Sign up for 1.5 hour presentation slot; observe another student’s presentation.
Assignment: Practice your family science night presentation at home.

Week #11 ~ April 1-5 ~ Local Schools’ Spring Break – Possible events TBD

Week #12 – Tues., April 11 ~ 4:30 -8:30 PM  (Depart 4:40 from 115 GLRC)
(7) Family Transportation Night at the Chassell Elementary
Assignment: Write self-critique. Due: April 18

Week #14 ~ Tuesday, April 16 ~ 4:00-9:00 PM  (Depart 4:15 PM from 115 GLRC)
(8) Family Science & Engineering Night at Ewen-Trout Creek Elementary
Assignment: Write self-critique. Due: April 23

Week #15 ~ Wednesday, April 24 ~ 9 AM-Noon & Noon-3 PM  (Depart 8:15 AM)
(9) Earth Day Activities at Keweenaw Bay Ojibwa Community College (KBOCC)
for gr. 3-6 students from Baraga and L’Anse Elementary Schools
Assignment: Write self-critique. Due: April 30

Week #15 ~ Thursday, April 25 ~ 4:30-8:30 PM  (Depart 4:30 PM from 115 GLRC)
(10) Baraga Family Forest Night at Baraga School Forest K-6
Assignment:
   (1) Write self-critique. Due: April 30
   (2) Prepare one-page reflection that discusses "how this presentation/teaching experience
      contributes to my academic and professional career." (20 points) Email to instructor. Due
      April 30
   (3) Organize / unpack and put away your activity box, per instructor’s directions by April 30.

Week #15 ~ Last CLASS – Tuesday, April 30 ~ 6:00-7:00 PM ~ 104 GLRC
Wrap-up & sharing. Complete course evaluations.
DUE: (1) Final reflection paper (send by email) - one-page that discusses "how this
presentation/teaching experience will contribute to my academic and professional career."
Due April 30.
   (1) Be sure your activity box is neatly organized or unpacked and put away.
   (2) Return all books borrowed and tax-exempt cards by April 30.