Assignment Guide
EDU 4330

FOR ALL ASSIGNMENTS:

1. All assignments should be typed.

2. Web sites may not serve as appropriate references for many of the assignments because of the lack of a review process for many of these sites (i.e.: anyone can publish anything on the web, it does not necessarily mean that the writing/ideas have been reviewed by professionals).

3. All assignments should relate to the teaching of science as opposed to general teaching methods.

4. Assignments are due at the beginning of class. Assignments turned in past the due date will be accepted for reduced credit (a reduction of 20% if in before or on next class date, 10% each additional class period).

5. All assignments are expected to be the individual student's original work and writing. Any quoted material should appear in quotations and be properly referenced with page numbers (APA style). This means that work from other students should also be referenced. Paraphrased material should be referenced using APA style. Cheating and plagiarism are considered a serious breach of professional ethics. Additional information on plagiarism may be found in the student Code of Conduct at http://documents.weber.edu/ppm/6-22.htm

1. Participation and attendance (20 Points). This includes attendance at the field placement as well as class. You are expected to be in class ready to begin at the scheduled time for class. In order to receive full credit you are expected to participate in class by contributing ideas to class discussions as well as taking part in class activities. Maximum benefit for students involves, not only engaging in the hands-on activities provided, but also sharing with others your personal ideas, plans, feelings, and experiences. Regular attendance and class participation is extremely important in this course. Participating in class activities and experiments is an integral component to success in this class. Each student is expected to prepare for, and take an active part in, class discussions, activities, and collaborative group work. This work also involves completing assigned reading and homework. Credit is earned for full, positive, participation at each class period. Arriving late or leaving early will influence the number of points. Because of the nature of class activities, it will be impossible to make up missed class time.
2. Science and Children Report (20 Points). The National Science Teachers Association (NSTA) publishes a number of journals aimed at helping teachers to teach science. Science and Children is intended to help the elementary teacher teach science. You will need to review one article from Science and Children. If you are expecting to teach at the junior high/middle school level you may use Science Scope (the middle level NSTA publication) rather than Science and Children for your report. The report should have the article citation at the top in APA format. The report should then be broken into 3 sections. The first section will be a summary of the article. The second section will be your opinion of the article and support for your opinion-why did you think this? The third section will tell if you think this article might affect your teaching and why or why not. Typically to do at least an adequate job your paper will be about 1 and a half to two pages to adequately cover the objectives of the assignment. Note: This assignment relates to one of the objectives for your professional portfolio.

Points are awarded for each review as follows:

<table>
<thead>
<tr>
<th>Category</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Citation (APA)</td>
<td>2</td>
</tr>
<tr>
<td>Article summary</td>
<td>4</td>
</tr>
<tr>
<td>Your opinion of the article and why.</td>
<td>4</td>
</tr>
<tr>
<td>How the article will or will not affect your teaching and why.</td>
<td>4</td>
</tr>
<tr>
<td>Copy of the activity attached.</td>
<td>2</td>
</tr>
<tr>
<td>Well written, spelling, grammar etc.</td>
<td>4</td>
</tr>
<tr>
<td>Total</td>
<td>20</td>
</tr>
</tbody>
</table>

An example of an APA citation follows:

Skip a line and begin text of the review here.

3. Science Activity Critiques (20 points). You need to locate 2 science activities that are appropriate for the level you expect to teach and critique them (10 points each). The points to be covered on the critique are found elsewhere on this web site. These guidelines are found in the handouts section of the website. Download “Evaluating Science Related Activities.” Be sure to cite the source for the activity and include a copy of the activity with your critique. Sources for the activities include Science and Children, activity books (available at “teacher stores”), web sites and text books. Please use no more than one activity from a web site and only one activity per activity resource.

Begin with a summary of the activity in your words then, using the guide “Evaluating Science-related Activities” rate the activities that you have
chosen. Address each of the 17 rating factors as an individual heading so that you will have 17 sections for each activity evaluation.

Points are awarded for each critique as follows:

- Quality of the activity summary: 2 points
- Completeness in addressing each of the 17 points: 5 points
- Copy of the activity attached: 1 point
- Well written, spelling, grammar etc.: 2 points
- Total: 20 points

4. Field Trip Plan (20 Points). You are to plan a field trip to a local field trip site. To do this you will need to complete a Community Resource Information Sheet which is found elsewhere on this site. This sheet provides information about the proposed field trip site. Secondly, you need to write a permission/information letter to the parents of your students. This letter does not necessarily come from your field placement site. We will discuss the components of this letter in class prior to the time you need to write it. The criteria we agree upon will then be posted on the web site. Lastly, you need to develop a lesson plan for the field trip. You are free to use whatever lesson plan format you wish. If you use either the 5 Es or conceptual change format from this class be sure to add an objective to the lesson plan since these formats do not include an objective.

Points will be awarded using the following criteria:

- Completeness of the Community Resource Information Sheet: 5 points
- Well written, spelling, grammar etc.: 2 points
- Quality of the letter to parents in addressing Criteria discussed in class: 5 points
- Well written, spelling, grammar etc.: 2 points
- Quality of lesson plans-completeness etc.: 4 points
- Well written, spelling, grammar etc.: 2 points
- Total: 20 points

Field Experience Evaluation

- Instructor-based on my observations of your Teaching/progress/professionalism: 10 points
- Input from cooperating teacher: 10 points
- Total: 20 points