

Outline for “Journal Article Discussion Made Easy and Effective” Workshop

- I. Introduction and Greeting (5-10 minutes)
 - Welcome students: Remind them about the topic; Introduce the presenters; Make sure that everyone gets all necessary handouts (Slides, Worksheet).
 - Ask students to go around the room and introduce themselves or raise their hands to indicate their department affiliation.
 - Sign-in sheet

- II. Review of the CREATE method (20-25 minutes)
 - Review the key ideas in CREATE using a Powerpoint slide presentation; Rationale for designing the method is reviewed; Each of the five steps (Consider, Read, Elucidate the hypotheses, Analyze and Interpret the data, Think of the next Experiment) are described in detail.

- III. Application of CREATE to Class Activities and Assignments (10 minutes)
 - Discuss the way CREATE was intended to be used by the authors (in-class assignments, discussing a series of articles over several meetings)
 - Other ways to use CREATE
 - In-class assignments (group activities; jigsaw classroom)
 - Outside-class assignments (completing the CREATE method for a journal article as homework, completing only one part of CREATE, such as the concept map, at home).

- IV. Group Activity Using CREATE (15-20 minutes)
 - A one-page *Science* article is passed out and everyone is given 5 minutes to read it;
 - Participants are divided into groups of 3-5; Each group is assigned to a different topic: one group created a concept map, one group drew the methods, three groups annotated the graphs and figures.
 - Each group met for 10 minutes and then presented their work to the entire workshop.

- V. Wrap-up and Questions (5-10 minutes)
 - Quick recap of CREATE;
 - Questions from participants are answered;
 - Participants are asked to complete a feedback form.