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
     o In-class assignments (group activities; jigsaw classroom)
     o 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.