

Cooperative Work Group Discussions and Presentations

Physics 310 – *Readings for Teaching HS Physics*

Spring 2010, Carl J. Wenning, Instructor

In order to help teacher candidates better understand the requirements of the Student Teaching Effectiveness Reporting System (STERS), teacher candidates, after a group review of the components of the *National Science Education Standards*' Content Standards given below, will work in instructor selected cooperative groups to complete the following tasks:

1. Identify three student performance objectives related to one of the components below.
2. Identify corresponding student-centered activities related to the above performance objectives.
3. Identify summative assessments related to teach of the student performance objectives.
4. Whiteboard results and present to class and gather additional suggestions as appropriate.
5. Develop a detailed resource for the instructor and other class members.

Content standard components addressed in STERS. Group assignments according to drawn cards:

- ♠ pages 104-105 and 115-119 (unifying concepts)
- ② pages 173-176 (practice of scientific inquiry)
- ③ pages 176-190 (major concepts)
- ④ pages 190-193 (technological applications)
- ⑤ pages 193-199 (issues related to science & tech - science in the community)
- ⑥ pages 200-204 (philosophical and historical nature of science)