

# Goals for Curriculum Alignment

## October 27, 2010

### Biology

- Improve biology lab skills for entering freshman.
- Standardize HS biology curriculum beginning with labs.
- Improve pedagogical and content knowledge of MS/HS teachers.
- Increase ongoing support from CC/Univ to MS/HS.
- Improve general college readiness of HS Students.

### Chemistry

- Academic transition readiness - Students will be prepared to enter the next level of the chemistry curriculum
- Students will demonstrate mastery of core concepts and skills, eg. scientific method, experimental design, data collection and analysis, results communication (written and verbal), inquiry labs are a tool for accomplishing this
- Students will demonstrate strong problem solving and critical thinking skills and scientific curiosity
- Students will have established successful learning strategies including basic study, note taking, and time management skills
- Establish and maintain a supportive communication, resource network, and meeting schedule for K-16 and industry

### Math

- Continue and initiate more dialogue between high school and college levels.
- Provide constant communication of course descriptions and ongoing assessments between levels.
- Discuss and align placement process from secondary to post secondary (6-20).
- Develop a consistent alignment of concepts taught and tools used in the K- 20 levels.
- Share data to modify instruction to achieve desired learning outcomes.

### Physics

- Develop a Lab Curriculum/List of Suggestions
- Clear communication between K-12 , colleges, and FDOE
- Improve Public Relations
- Implement STEM Competition (JETS, Physics Olympiad) hosted by the regional college
- Align physics curriculum (middle school – college)