

**ComPADRE Education Vocabulary
Meeting needs of all collections**

Table 1 below is the current education vocabulary from the subject hierarchy on ComPADRE. The subject list has three levels: General subject (In this case Education Foundations and Education Practices), Specific subject, and Detail subject. This list was generated for the PER-Central collection by an analysis of a collection of approximately 800 papers in Physics Education Research. Subject and keywords from these papers were collected and organized into the categories below.

There have been some problems applying this vocabulary for other collections, in particular The Physics Front and PTEC. We need to create a group that will look into updating the education subjects. Suggestions for subjects from the PTEC editor are below.

Table 1: Current Education Vocabulary (7/1/2008)

Education Foundations	Achievement	
Education Foundations	Alternative Conceptions	
Education Foundations	Assessment of Students	General Assessment of Students, Advanced Placement, Instruments
Education Foundations	Behavior	General Behavior, Affect, Behavior Development
Education Foundations	Cognition	General Cognition, Cognition Development
Education Foundations	Communication	General Communication, Hearing, Language, Reading, Representations, Speaking, Writing
Education Foundations	Learning Theory	
Education Foundations	Research Design & Methodology	General Research Design & Methodology, Data, Evaluation, Literature, Statistics, Validity
Education Foundations	Societal Issues	General Societal Issues, Cultural Issues, Gender Issues, International Issues, Race Issues
Education Foundations	Student Characteristics	General Student Characteristics, Ability, Affect
Education Foundations	Student Populations	General Student Populations, Adult Learners, African-Americans, Asian-Americans, Early Childhood, Emotionally Challenged, English as a Second Language, Gender, Gifted and Talented, Home Schoolers, Latinos, Low Socioeconomic Status, Mentally Challenged, Native Americans, Physically Challenged, Rural Dweller, Underachievers, Urban Dweller

Education Foundations	Teacher Characteristics	
Education Foundations	Teacher Content Knowledge	
Education Practices	Active Learning	General Active Learning, Cooperative Learning, Inquiry Learning, Modelling, Problem Solving
Education Practices	Careers	
Education Practices	Classroom Management	
Education Practices	Course Goals	
Education Practices	Curriculum Development	General Curriculum Development, Course, Laboratory
Education Practices	Informal Education	
Education Practices	Instructional Material Design	
Education Practices	Pedagogy	General Pedagogy, Advance Organizers, Analogies Heuristics, Instructional Issues, Multidisciplinary
Education Practices	Professional Development	
Education Practices	School Improvement	General School Improvement, Accreditation
Education Practices	Teacher Preparation	
Education Practices	Technology	General Technology, Computers, Distance Education, Multimedia

PTEC Vocabulary Required (Notes from Bruce)

Educational Practices

1. Teacher Shortages (Under Prof. Devel or Careers?)
2. Recruitment (Prof. Devel or Careers?)
 1. Recruitment Resources
 2. Recruitment Strategies
3. Funding (This needs to be clearer to fit under “education”?)
 1. Government
 2. Private
4. Master Teachers (Professional Development)
5. Course Development (Somewhere between curriculum and Instructional material)
6. Induction and Mentoring (Prof. Devel.)
 1. Induction Strategies

2. Mentoring Strategies
7. Early Teaching Experiences (Career?)
 1. Learning Assistants (Keywords?)
 2. Early Field Experience
8. Teacher Advisory Group (???)
9. Assessment (???)
 1. Content Assessment
 2. Pedagogy Assessment
 3. Teacher Tracking
10. Collaboration (This needs to be better defined. The details may be too detailed.)
 1. Education Faculty
 2. Local School Boards
 3. State Education Department
 4. Community Organizations
11. Sustainability (This needs to be better defined.)