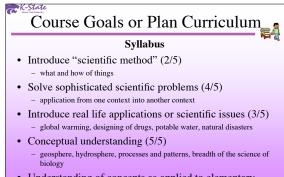
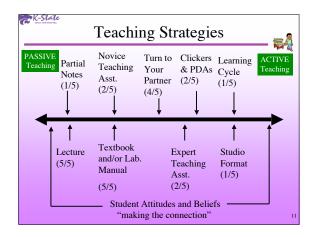


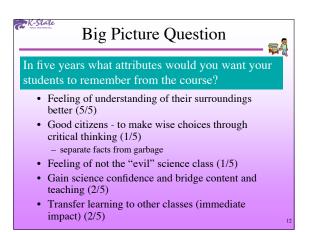
Participants' Profile							
Professor Rank		Teaching Experience	Years at KSU	Course for Future Elem. Teachers			
1	Instructor	>7	> 3	No			
2	Scholar	> 3	> 3	No			
3	Asst. Prof.	> 10	>1	Yes			
4	Assc. Prof.	> 10	> 5	Yes			
5	Full Prof.	> 15	> 10	No			

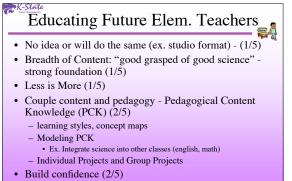
					1		
Course	Students per Class	Laboratory Integration	Laboratory Grade into Final Grade	Use of Technology	Human Resources	Pedagogy	Evaluatio
Biol 198	~80	Yes	Yes	Computer Sim.	4-6	Studio	Quizes, 7 Exams
Chem 110	150 - 250	No	No	None	1	Mostly Lecture	5 Exams
Geol 100	~ 50	No	No	Clickers	1	Demo-Lecture, Some PCK	2 Projects 2 Exams, Clickers
Phys 106	~ 90	Yes	Yes	PDAs	1	Demo-Lecture, Some PCK	1 Project, 5 Exams, Exploration Application PDAs
Geog 221	~ 100	No	Yes	None	1	Mostly Lecture	Pass Lab, Assignment 4 Exams



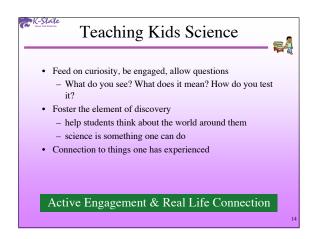
• Understanding of concepts as applied to elementary school children (2/5)

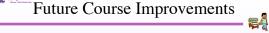




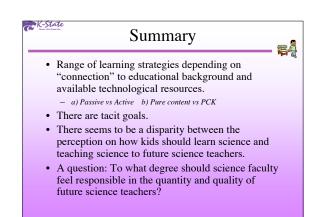


- Connecting Science Standards into lessons (2/5)
- Science impact to daily life (2/5)





- Separate majors and non-majors (1/5)
- Allow more active engagement (smaller class size and unbolted chairs and tables) (1/5)
  - Ex. answering worksheets in class
    peer collaboration
- Teaching Assistants' Professional Development
  Study the avenue of getting assistants from COE who have done the course previously (1/5)
- Incorporate metacognition (few questions) (1/5)
- Scout for inexpensive readily available materials for class use that students can replicate when they are already teaching. (1/5)



V-State				
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Tha	nk	you	!!!	
Email: o	cbmamo	lo@phys.ksu.ed	u	
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