

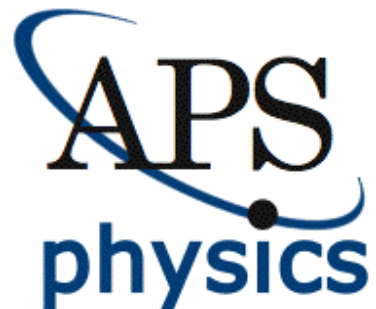


# 2012 PhysTEC Conference

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*3 February 2012  
Ontario, California*

## *New Paradigms for Physics Teacher Education*



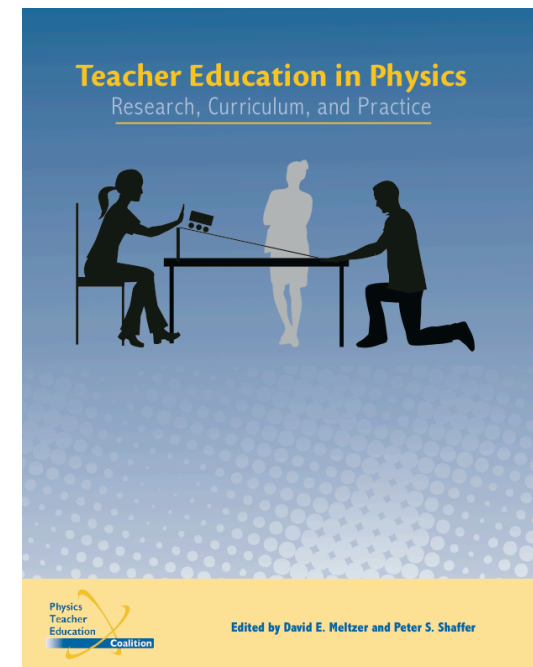
21<sup>st</sup> Century Campaign  
A SCIENCE EDUCATION INITIATIVE



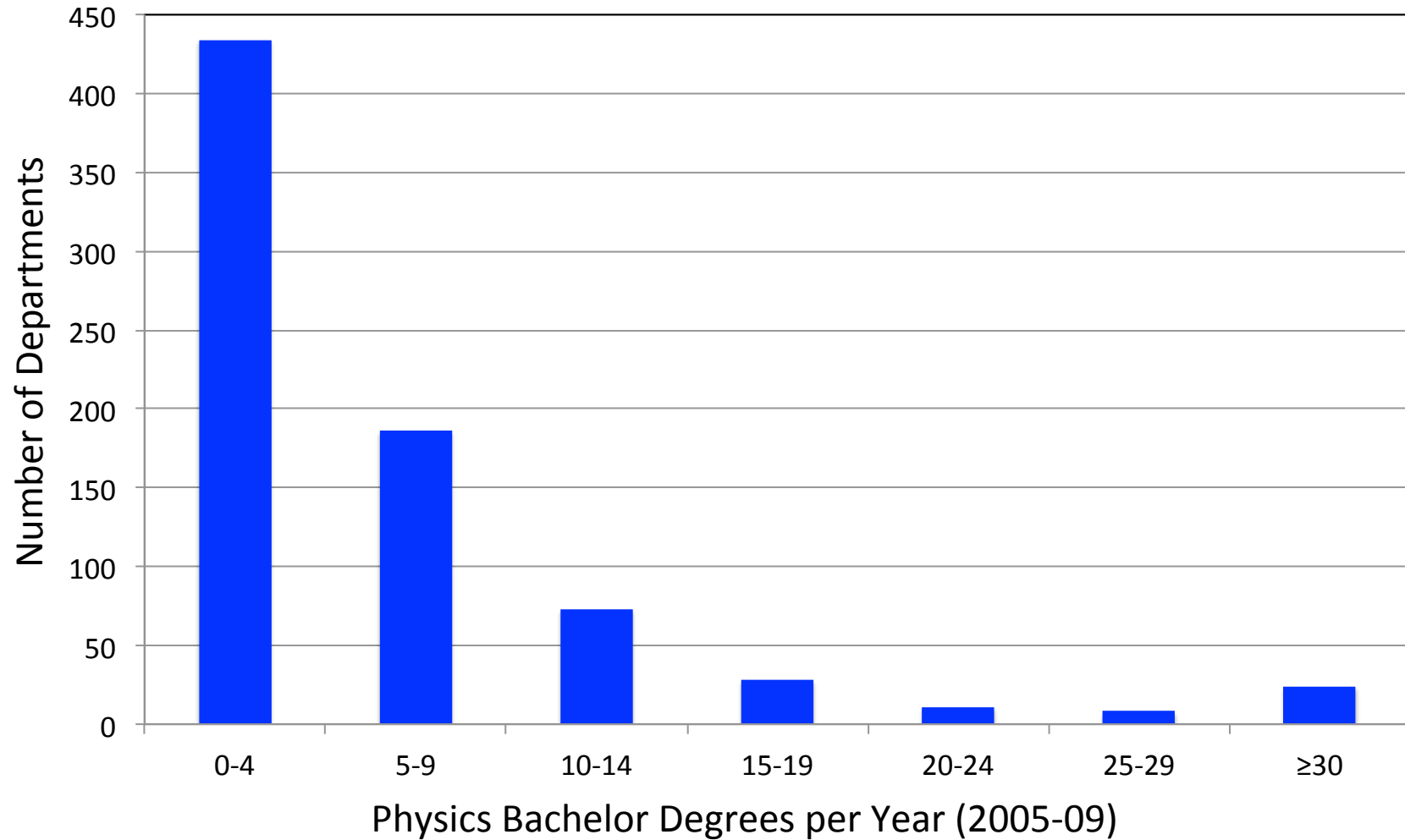
# PhysTEC Member Institutions



- Collection of scholarly articles on teacher education in physics
- Task force on teacher education in physics
- New sites: VT, BU, CSUSM, SUNY Geneseo; LA video project
- LA workshop in Colorado, Oct 2011
- CalTeach/MSTI
- Workshop on increasing physics majors, 10-12 June 2012

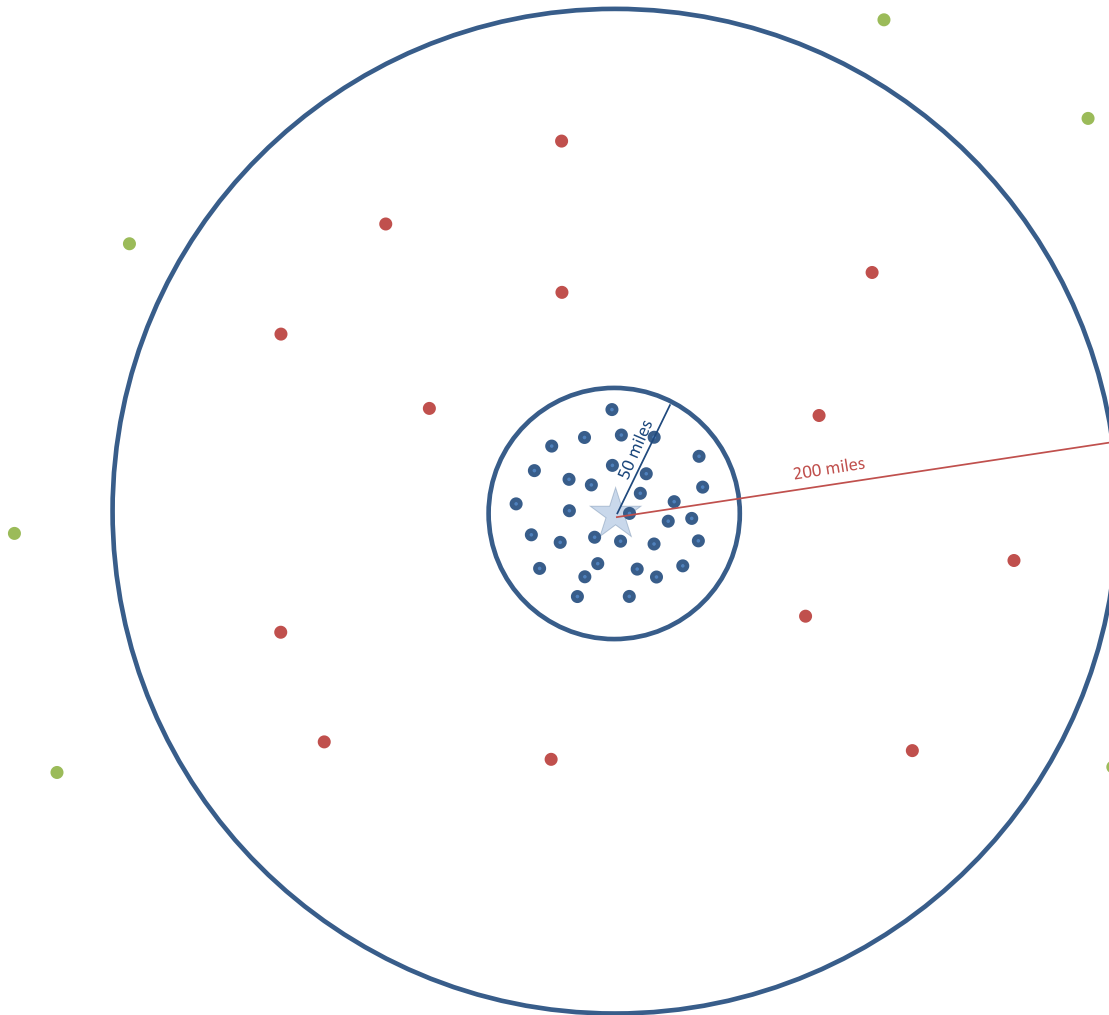


# Why Biology Doesn't Have Our Problem



Source: NCES

# Teacher Education is a Local Issue

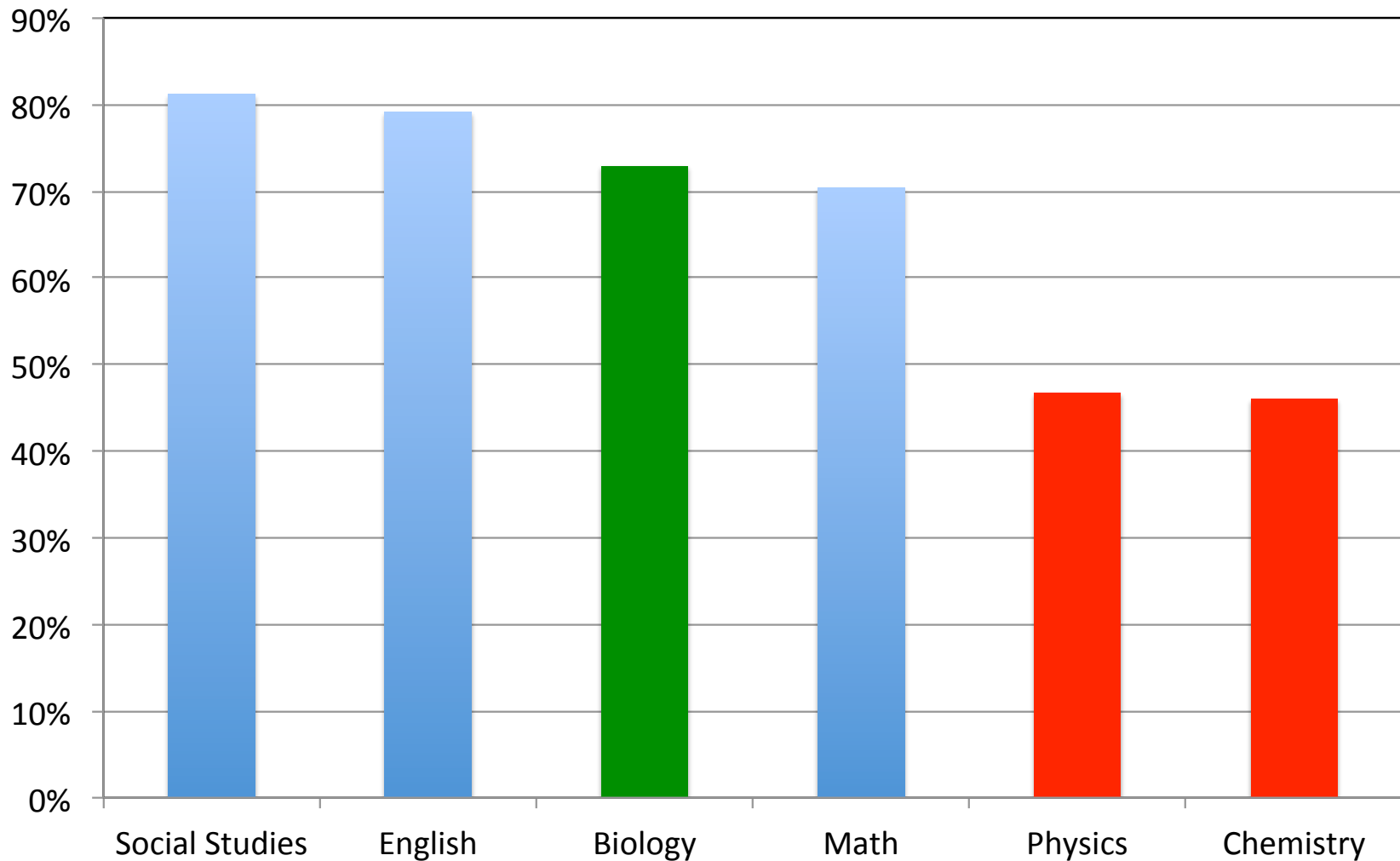


Teach within X miles of their institution

- 60% 50 miles
- 25% 50-200 miles
- 15% >200 miles

PhysTEC Teachers: 54 respondents

# High school classes taught by teacher with degree in the field



Source: Schools and Staffing Survey