

Please send your completed survey to: Dr. Mark Lattery, Department of Physics/Astronomy, 800 Algoma Boulevard, University of Wisconsin Oshkosh, Oshkosh, WI, 54901. For electronic submissions, go to: www.phys.uwosh.edu/lattery/mse/mse.htm and click "Related Links".

Your Wants and Needs for Better Physics Teaching: A Survey for Physics and Physical Science Teachers

It is our desire to build a strong learning community of physics teachers, in partnership with the University of Wisconsin. By participating in this survey, the University can help: improve your physics teaching; assist in writing grants for classroom technology (e.g., instructional software, computer-based laboratories, internet connections); and, keep you updated on the latest developments in physics and physics education research. The survey takes just 10-15 minutes. It is well worth your time!

1. Your name _____ Date _____
Home street, city, zip _____
Home phone () _____
2. e-mail address _____
3. School name _____
Your school phone () _____ fax _____
4. Highest degree _____ major _____ year _____
5. Bachelors degree: major _____ year _____
6. Check off the courses you took as a college student. (In certain cases, having fewer courses can increase your chances of getting funded for professional development.)
___ physical science (# semesters = ___)
___ algebra-based general physics (# semesters = ___)
___ trig-based general physics (# semesters = ___)
___ calculus-based general physics (# semesters = ___)
___ sophomore-level modern physics (relativity/quantum)
___ junior-level mechanics (# semesters = ___)
___ junior-level e & m (# semesters = ___)
___ junior-level modern physics (atomic/nuclear)
___ other physics courses _____

7. How many years have you taught physics? ___ physical science (chem-physics)? ___
8. If you had it to do over again, would you still be a high school teacher? _____
9. Is your high school primarily urban, suburban, or rural (which)? _____
About how many students are taking *physics* from you this year? _____ grades: _____
About how many are taking *physical science* (chem-physics) from you this year? _____ grades: _____
What % of these students are: low income? ___%. girls? ___%. minorities? ___%.



10. How many sections of these other subjects are you teaching this year?
 chemistry____, biology____, general science____, earth science ____, principles of technology____,
 astronomy____, math____, other ____:
11. a) How many hours per year of *physics*-related in-services (all sources) do you have? _____
 b) How adequate are local and state opportunities for professional development? _____
 c) How valuable would it be to you if you had opportunities for inexpensive, convenient
 professional growth that you could use? *very* ____, *somewhat* ____, *not* _____
12. How adequate in size is your classroom? (use *very*, *somewhat*, *not*)
 Is there a phone in the classroom? _____ # Internet lines in classroom: _____
13. Your school's typical annual budget for equipment/lab supplies: \$_____
 Is that enough? ___What do you need most for your classroom: lab equipment? _____ computers? _____
 computer lab interfaces and/or MBL probes? ___ CBLs? ___ Other (what?): _____
14. # student-used computers in your classroom: _____ What kinds? _____
 How well do they meet your needs? _____ # students at a workstation: _____
15. a) How many calculator based lab systems (CBLs) do you have access to? _____ How many graphing
 calculators? _____
 b) How many MBL/CBL probes do you have? voltage _____ light detector _____
 temperature detector _____ photogate _____ motion detector (sonic ranger) _____
16. How proficient are you in computer usage (use *very*, *somewhat*, *not*):
 for word processing? _____ spreadsheets? _____ graphical analysis? _____
 as a classroom lab tool, using MBL probes? _____ e-mail? _____
 using the world wide web? _____ setting up a local area network? _____
17. How eager are you to learn more about classroom computer use? _____
18. How important is classroom technology to you? (*very*, *somewhat*, *not*) _____
19. How confident are you about leading in-service workshops on classroom technology? _____
20. Would you like to assist other teachers on classroom technology, for extra pay or reduced teaching load?

21. How interested would you be in a masters degree in physics or physical science education? _____
 Which of the following summer school formats is most preferable/practical for you:
 _____ 8 weeks, standard format (on-campus sessions only), meets 2 times per week, 5.0 hrs/session
 _____ 8 weeks, blended format (on-campus and online sessions), meets on campus 2/week, 2.5 hrs/session
 _____ 8 weeks, blended format (on-campus and online sessions), meets on campus 1/week, 5.0 hrs/session
 _____ 8 weeks, fully online format (meets once at the beginning and once at the end of the course)
22. On what date does your school year end? _____ On what date does it start again? _____
23. What do you really want for professional development (*write below*)?