

Figures for

“Teacher and Teacher-Directed Student Use of Computers and Software”

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Accompanies

Teaching, Learning, and Computing: 1998 National Survey

Report #3

Center for Research on Information Technology and Organizations
The University of California, Irvine

and
The University of Minnesota

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Source: <http://www.crito.uci.edu/tlc/findings/computeruse/html/startpage.htm>

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FIGURE 1: MOST TEACHERS REPORT THAT THEY USE COMPUTERS IN THEIR CLASSES

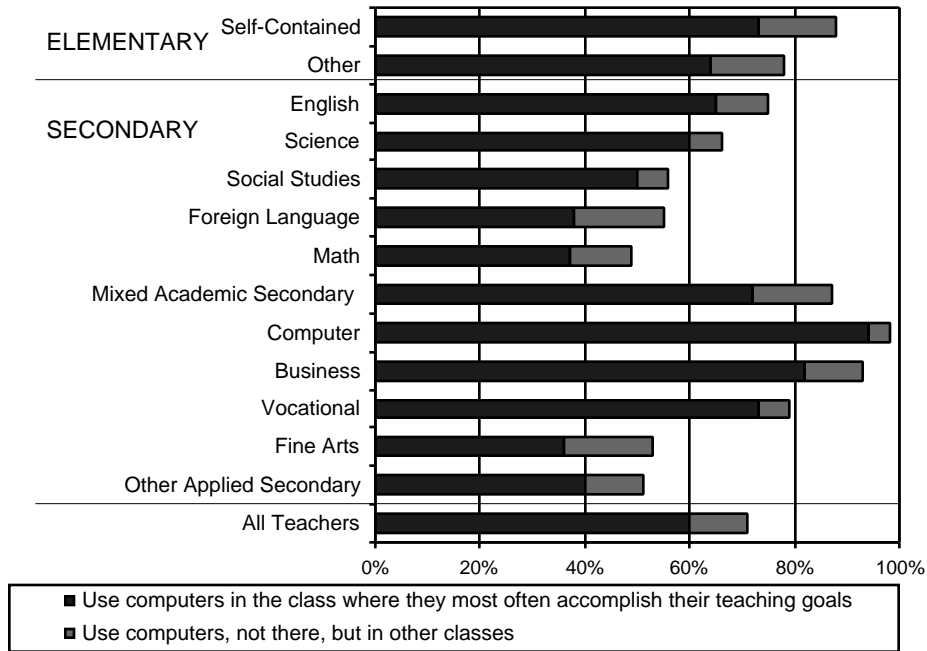
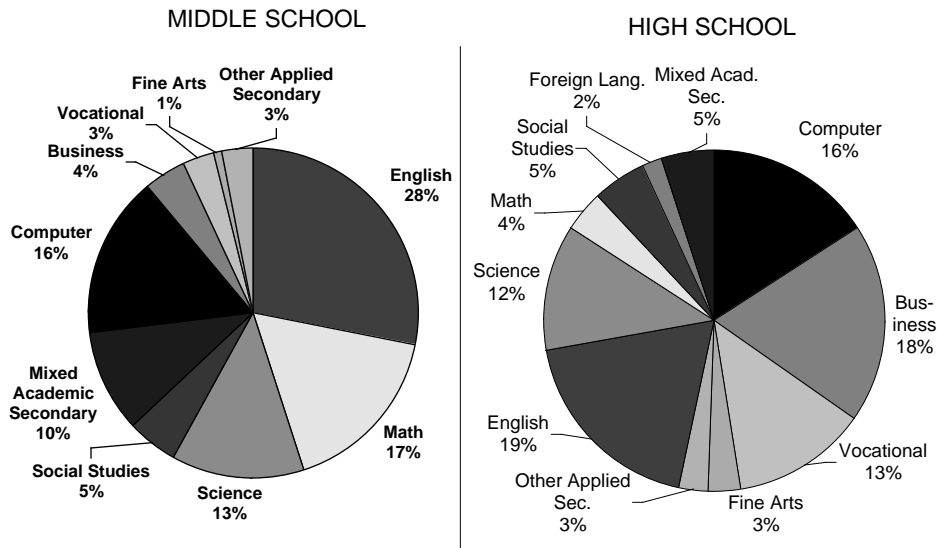


FIGURE 2: FREQUENT COMPUTER USE: CLASSES WHERE TYPICAL STUDENT USED COMPUTERS MORE THAN 20 TIMES DURING THE SCHOOL YEAR



Source: Teaching, Learning, and Computing, 1998, "Teacher and Teacher-Directed Use of Computers," <http://www.crito.uci.edu/TLC>.

FIGURE 3: CLASSROOM USE AND ACCESS BY SUBJECT TAUGHT

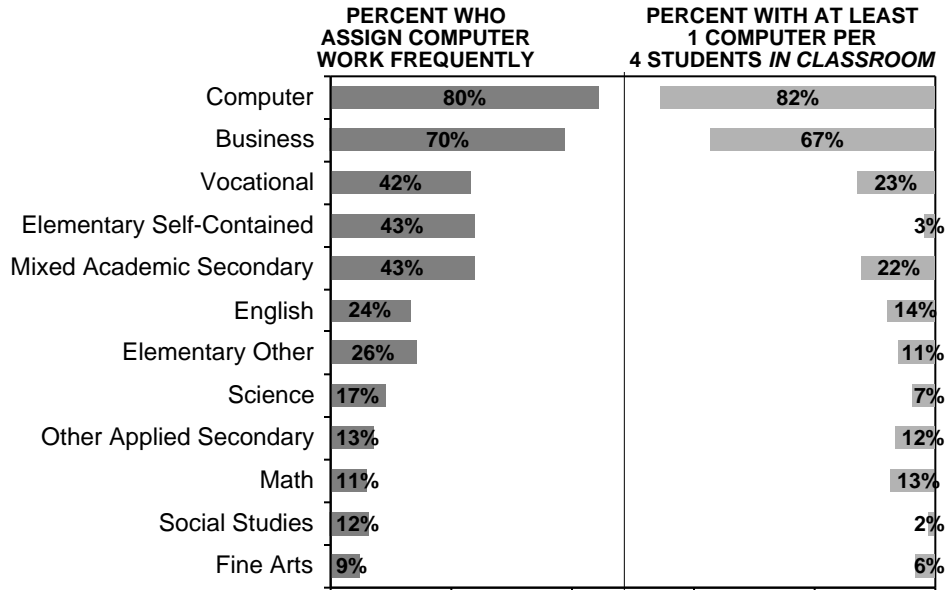
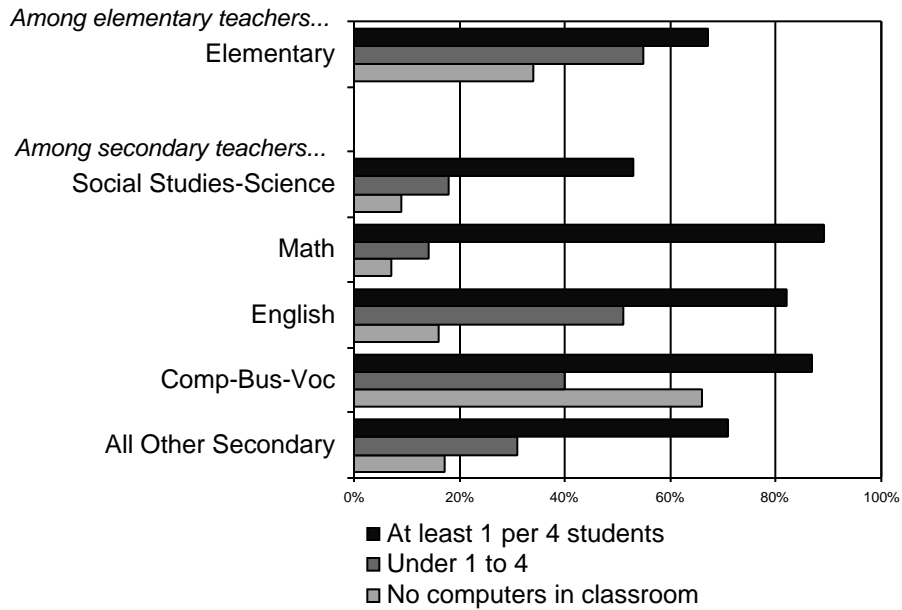


FIGURE 4: PERCENT OF COMPUTER-ASSIGNING TEACHERS WHOSE STUDENTS USE COMPUTERS FREQUENTLY, BY COMPUTER-STUDENT RATIO, BY SUBJECT & LEVEL



Source: Teaching, Learning, and Computing, 1998, "Teacher and Teacher-Directed Use of Computers," <http://www.crito.uci.edu/TLC>.

FIGURE 5: FREQUENT COMPUTER USE OCCURS MORE OFTEN WITH 5-8 COMPUTERS IN A CLASSROOM THAN WITH 15-30 IN A COMPUTER LAB (DATA FOR SECONDARY ACADEMIC TEACHERS)

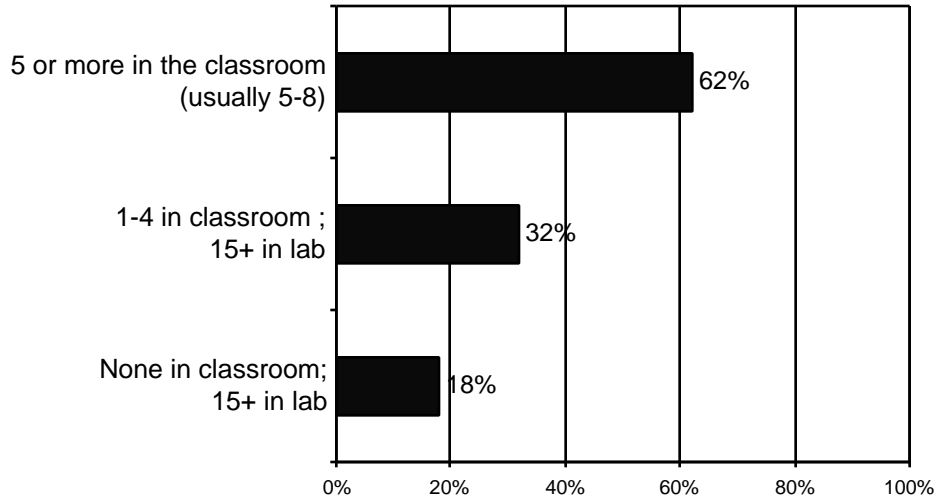
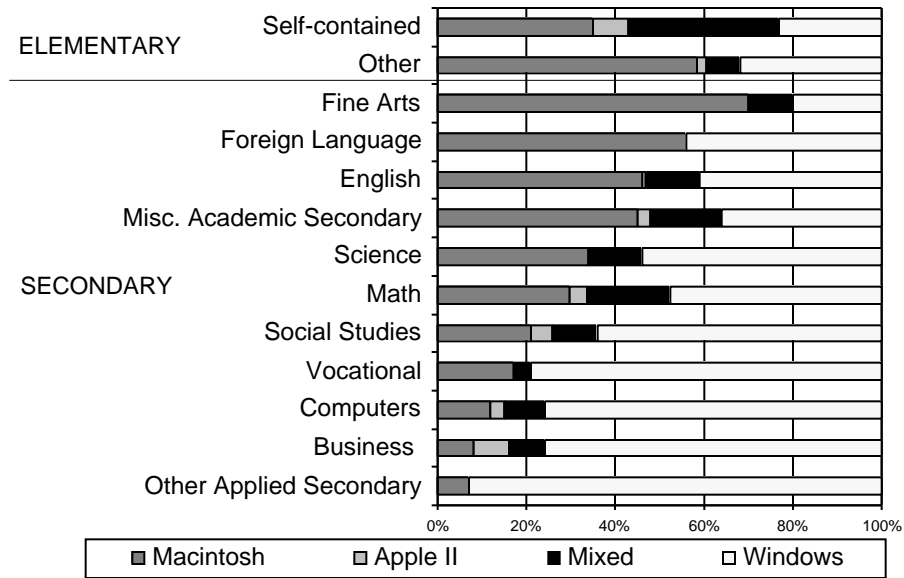


FIGURE 6: PLATFORM USED BY STUDENTS IN ROOM(S) WHERE THEY USUALLY USE COMPUTERS



Source: Teaching, Learning, and Computing, 1998, "Teacher and Teacher-Directed Use of Computers," <http://www.crito.uci.edu/TLC>.

FIGURE 7: MOST WIDELY USED SOFTWARE BY SCHOOL LEVEL
(percent of teachers reporting at least occasional use by students during class time)

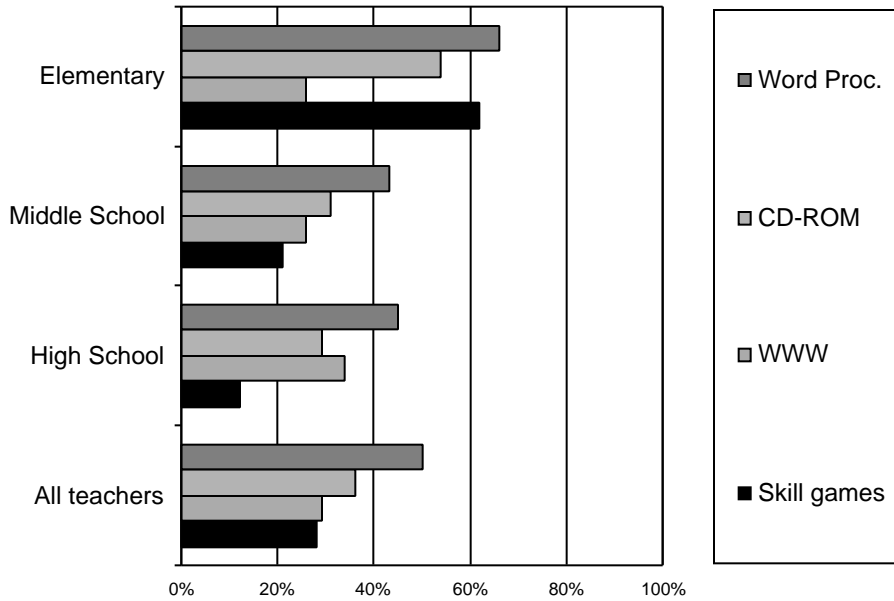
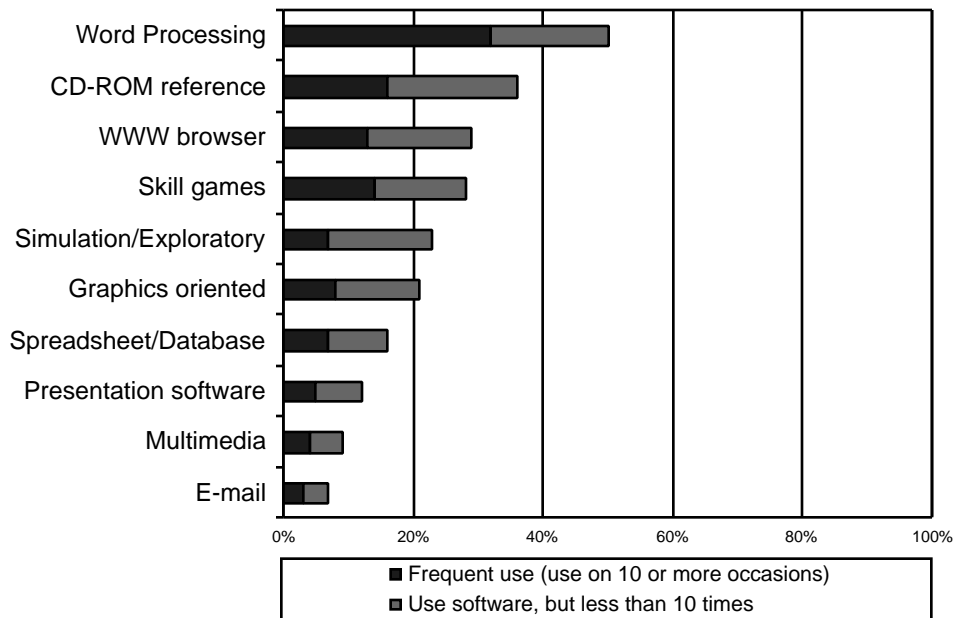


FIGURE 8: FREQUENT AND OCCASIONAL USE OF THE FOLLOWING TYPES OF SOFTWARE



Source: Teaching, Learning, and Computing, 1998, "Teacher and Teacher-Directed Use of Computers," <http://www.crito.uci.edu/TLC>.

FIGURE 11: PERCENT OF TEACHERS HOLDING THE FOLLOWING OBJECTIVES AMONG THEIR 3 MOST IMPORTANT

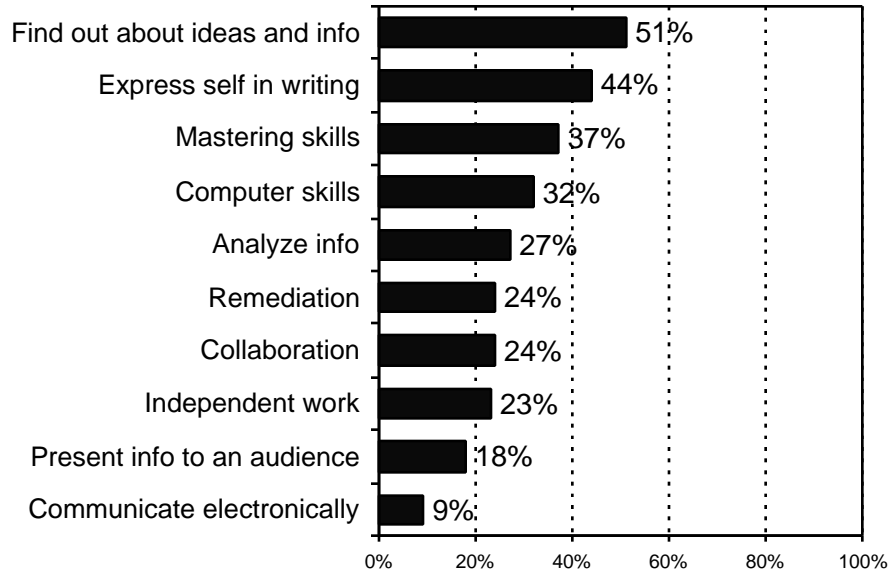
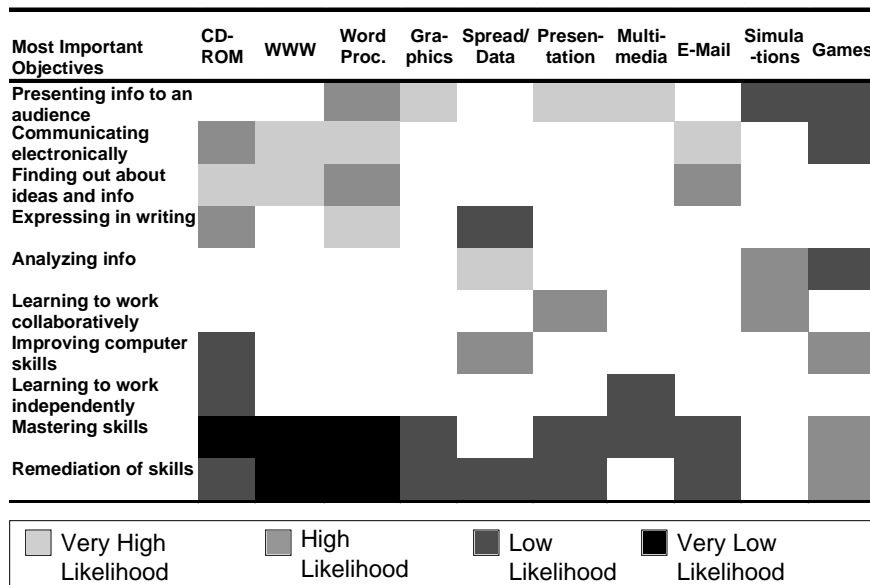


FIGURE 12: LIKELIHOOD OF EACH SOFTWARE USE IF TEACHER HOLDS THE FOLLOWING OBJECTIVES



Source: Teaching, Learning, and Computing, 1998, "Teacher and Teacher-Directed Use of Computers," <http://www.crito.uci.edu/TLC>.

FIGURE 14: PERCENT OF COMPUTER-ASSIGNING TEACHERS REPORTING THAT ALL OR MOST STUDENTS USED COMPUTERS AT SCHOOL FOR CLASS ASSIGNMENTS, OUTSIDE OF CLASS TIME

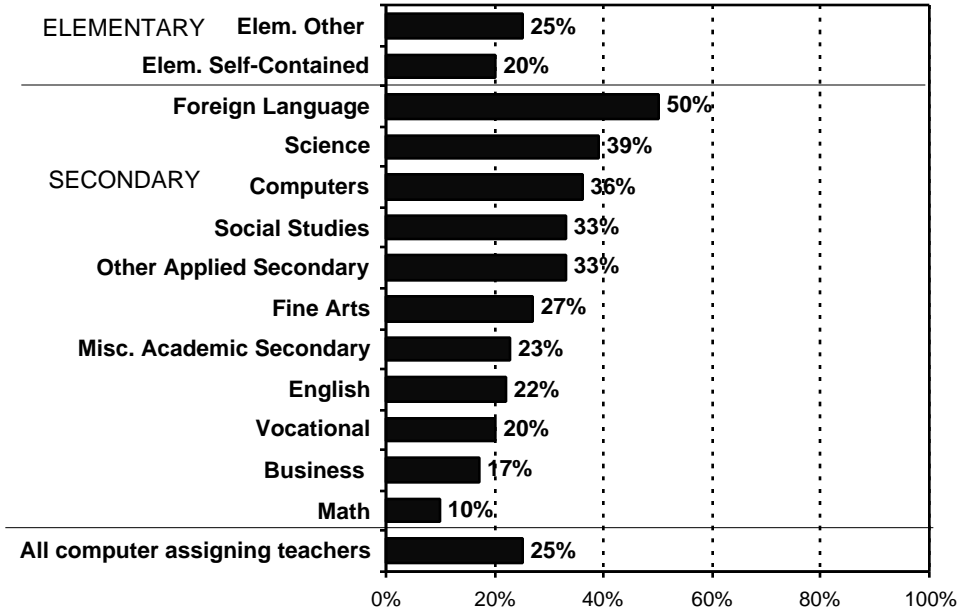
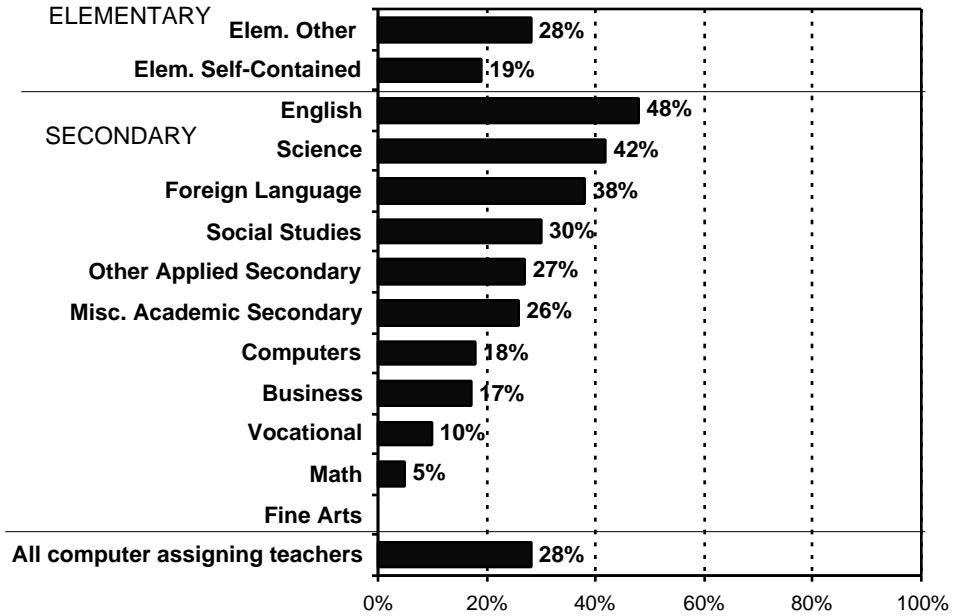


FIGURE 15: PERCENT OF COMPUTER-ASSIGNING TEACHERS REPORTING THAT ALL OR MOST STUDENTS USED COMPUTERS AT SCHOOL FOR CLASS ASSIGNMENTS, OUTSIDE OF SCHOOL



Source: Teaching, Learning, and Computing, 1998, "Teacher and Teacher-Directed Use of Computers," <http://www.crito.uci.edu/TLC>.

FIGURE 16: LIKELIHOOD OF TEACHERS WITH EACH OBJECTIVE TO REPORT STUDENTS USING COMPUTERS FOR CLASS WORK OUTSIDE OF CLASS TIME (AT HOME OR AT SCHOOL)

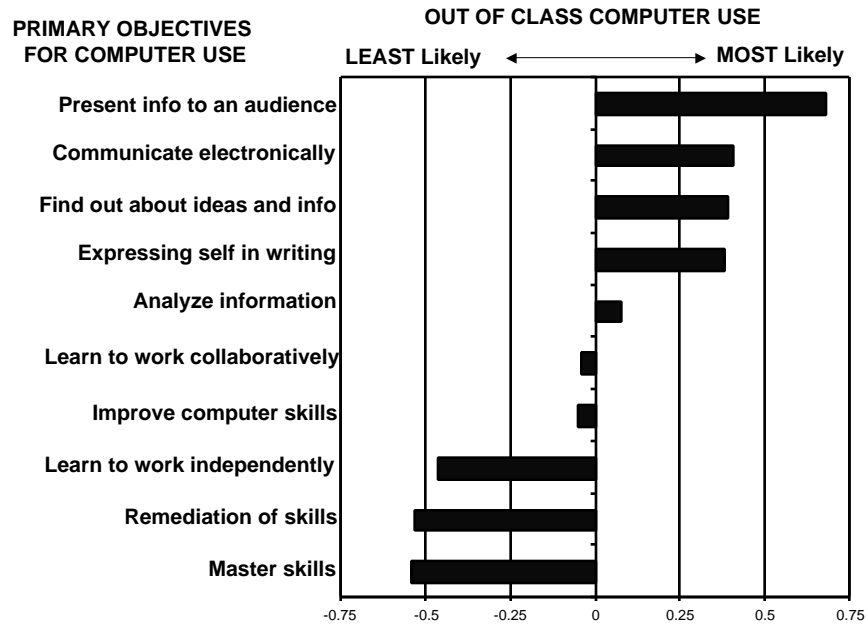
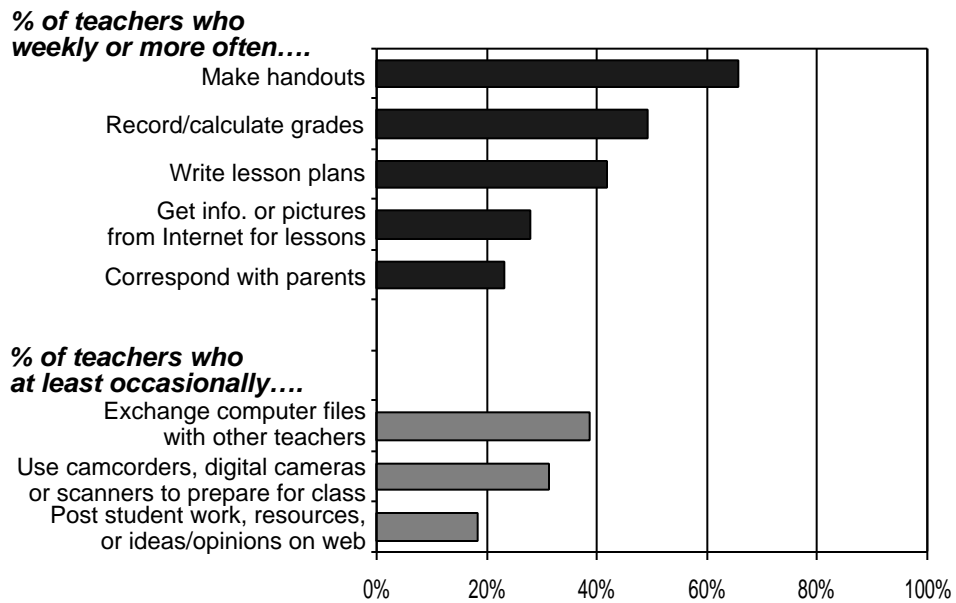


FIGURE 17: TEACHERS' PROFESSIONAL USE OF COMPUTERS



Source: Teaching, Learning, and Computing, 1998, "Teacher and Teacher-Directed Use of Computers," <http://www.crito.uci.edu/TLC>.

FIGURE 18: TEACHER COMPUTER EXPERTISE, BY SCHOOL LEVEL

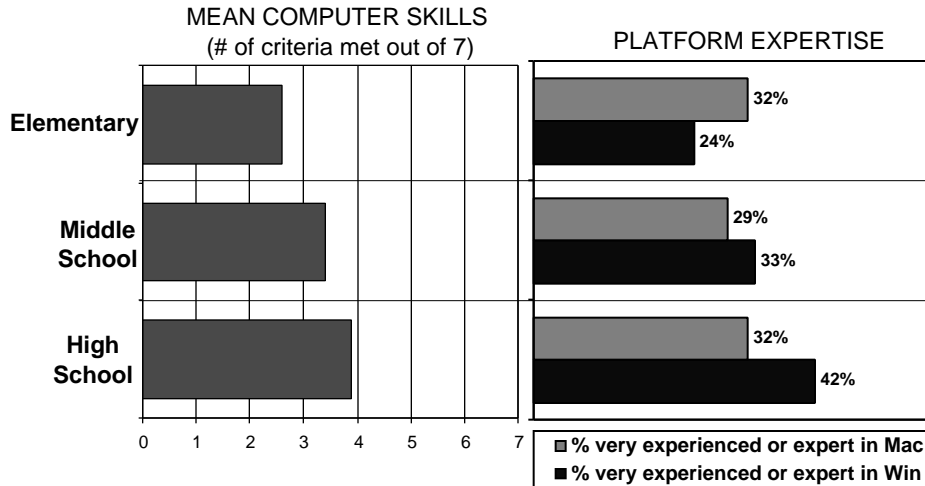
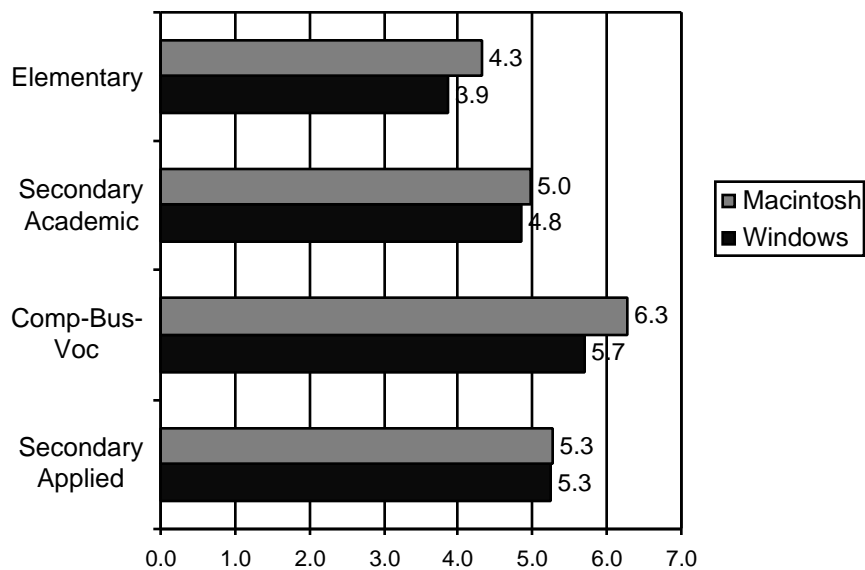


FIGURE 19: MEAN SELF-REPORTED COMPUTER SKILLS FOR TEACHERS CONSIDERING THEMSELVES 'VERY EXPERIENCED' OR 'EXPERT' ON A GIVEN PLATFORM, BY PLATFORM AND SUBJECT OR LEVEL TAUGHT



Source: Teaching, Learning, and Computing, 1998, "Teacher and Teacher-Directed Use of Computers," <http://www.crito.uci.edu/TLC>.

FIGURE 20: CORRELATION BETWEEN NUMBER OF COMPUTER SKILLS REPORTED BY TEACHERS OF DIFFERENT SUBJECTS AND EXTENT OF USE OF EACH TYPE OF SOFTWARE

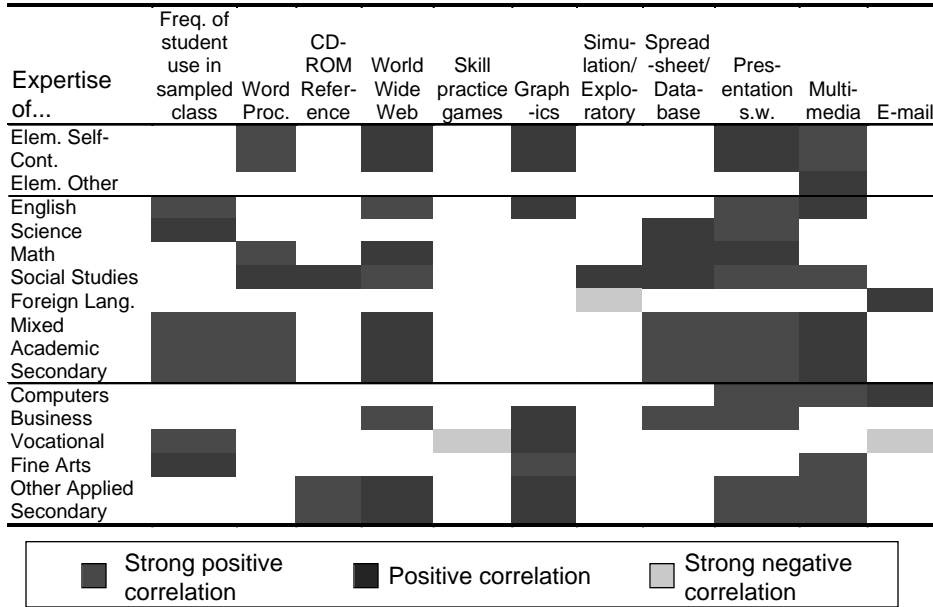
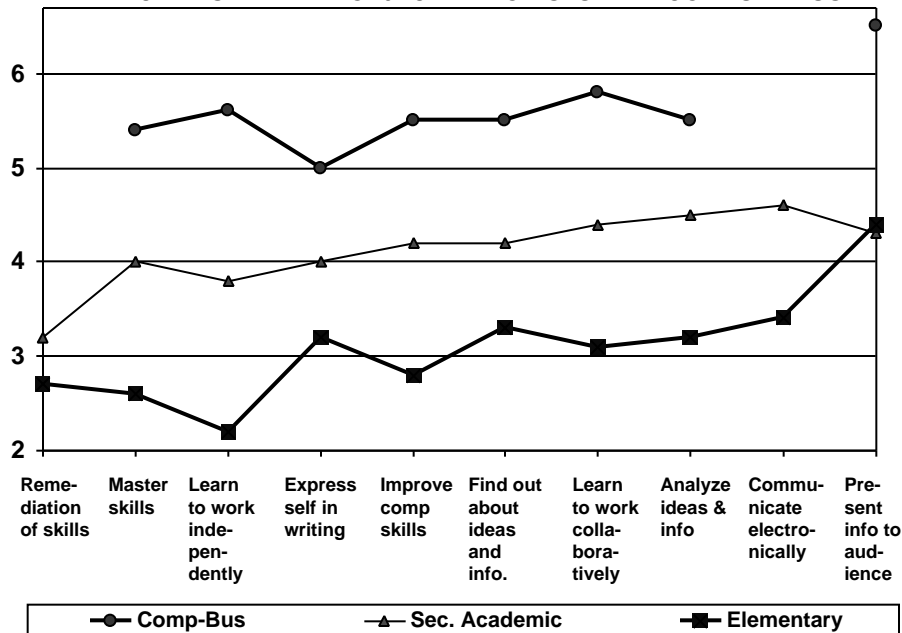


FIGURE 21: MEAN NUMBER OF TEACHER'S COMPUTER SKILLS BY TEACHER'S PRIMARY OBJECTIVE FOR STUDENT COMPUTER USE



Source: Teaching, Learning, and Computing, 1998, "Teacher and Teacher-Directed Use of Computers," <http://www.crito.uci.edu/TLC>.

FIGURE A-5: PERCENT OF COMPUTER ASSIGNING TEACHERS WHO REPORT THAT THE FOLLOWING ARE AMONG THEIR MOST IMPORTANT OBJECTIVES

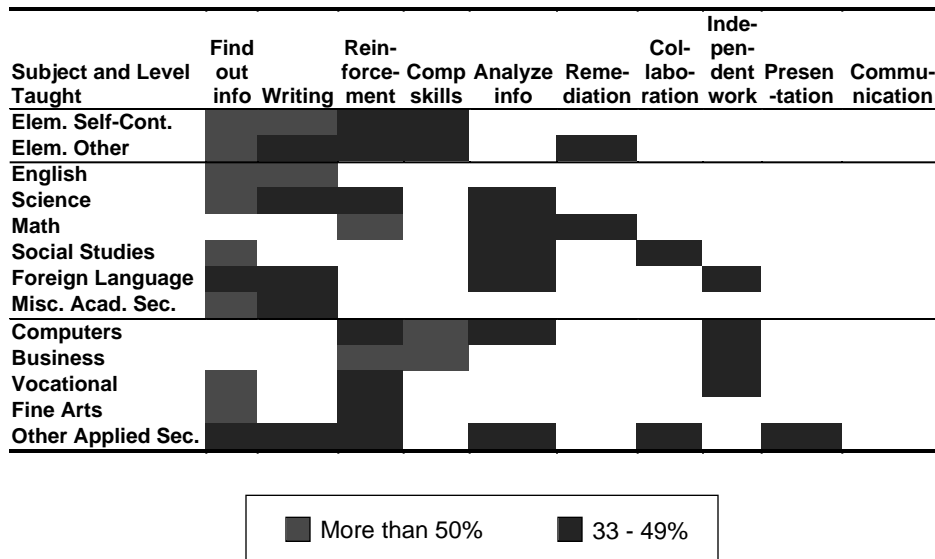
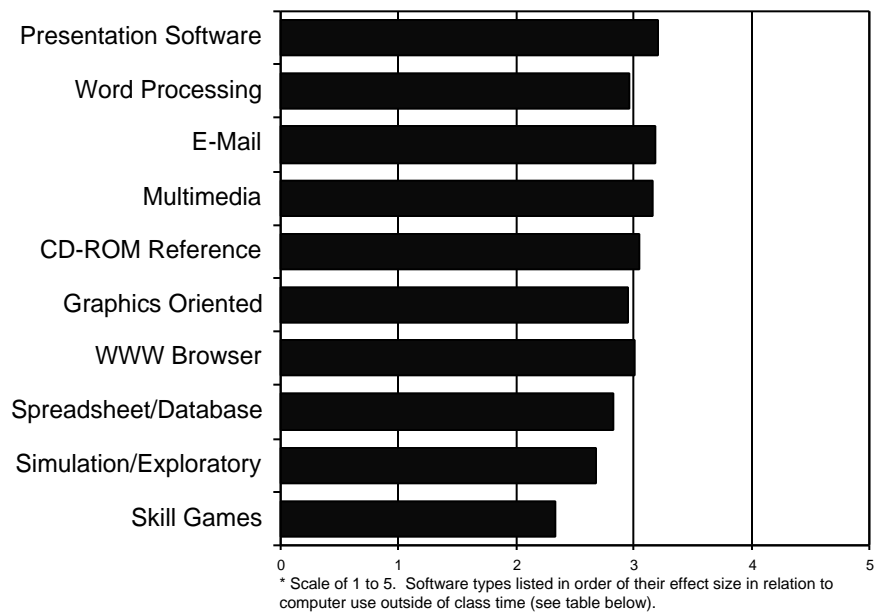


FIGURE A-6: SCORE ON USE OF COMPUTERS OUTSIDE OF CLASS TIME (AT HOME OR AT SCHOOL)* BY WHETHER TEACHER REPORTED SPECIFIC TYPES OF SOFTWARE USED IN 10 OR MORE LESSONS



* Scale of 1 to 5. Software types listed in order of their effect size in relation to computer use outside of class time (see table below).
 Source: Teaching, Learning, and Computing, 1998, "Teacher and Teacher-Directed Use of Computers," <http://www.crito.uci.edu/TLC>.