# U. S. Intel® Teach to the Future Essentials Course 2006 End of School Year Survey Key Findings 

This document presents highlights from the U.S. Intel Teach to the Future Essentials 2006 End of School Year Survey, which was administered via the web in April of 2006 to Master and Participant Teachers identified in the database as having completed the training between October 2004 and September 2005. It is followed by an appendix, which presents frequencies for all survey questions. This survey included the International Impact Survey questions, which are asked of teachers all over the world who have participated in the Intel Teach to the Future Essentials Course. The purpose of the International Impact Survey is to help program staff understand whether teachers who have participated in the Essentials Course follow up on their training, and learn more about the kind of technology access and support that are available to program participants in their schools. The U.S. Intel Teach to the Future Essentials 2006 End of School Year Survey also contains demographic questions that do not appear in the International Impact Survey. In total 1,178 people responded to the survey, for a response rate of $24 \%{ }^{1}$

Key findings from this survey include:

## Demographics

The demographic data showed some small changes in the profiles of participants this year compared to previous years, and demonstrated that the Intel Teach Essentials Course is reaching teachers in schools that tend to be less affluent than the national average.

- More respondents this year ( $82 \%$ ) identified themselves as either classroom or enrichment/resource teachers compared to last year (78\%).
- Unlike in previous years, where the most common subject taught was General Curriculum, the largest group of teachers responding to this year's survey teaches English (33\%); the second largest group teaches Math (28\%); and the third largest group teaches Science (27\%).
- The respondents in this year's survey teach in schools with less affluent socioeconomic profiles than those who responded to the 2005 survey, and than the national average; $23 \%$ work in schools in which $0-25 \%$ are eligible for free/reduced price lunch (2005 survey: $28 \%$, national average: $37.9 \%$ ), $26 \%$ in schools where $26-50 \%$ are eligible (2005 survey: $27 \%$, national average: $23 \%$ ), $23 \%$ in schools where 51-75\% are eligible (2005 survey: 24\%, national average: $18.5 \%$ ) and $24 \%$ in schools where $76-100 \%$ are eligible (2005 survey: $22 \%$,

[^0]national average: $20.7 \%) .{ }^{2}$

## Technology integration

2006 respondents' experiences integrating technology into classroom teaching are very similar to those of respondents to the 2005 End of School Year Survey.

- Eighty-one percent of teachers report implementing the unit plan they created in the training ( $54 \%$ "more than once," $27 \%$ "once"), which is consistent with the findings from the 2005 End of School Year Survey.
- A large majority of teachers (88\%) report using technology with their students "in new ways" since the training, which is also consistent with the findings from last year.
- Teachers reported that the major challenges to technology integration were their lack of access to computers ( $24 \%$ "agreed" and another $24 \%$ "strongly agreed" that "not enough computers were available") and lack of time ( $34 \%$ "agreed" and $12 \%$ "strongly agreed" that "the class time or lab time available was too short"). These same challenges were rated most highly by last year's respondents as well.


## Pedagogy

While teachers responding to the 2006 survey were slightly less familiar with the teaching strategies presented in the training, they were just as likely to say that these teaching strategies were relevant to their teaching.

- A majority of teachers said that it was "somewhat true" $(60 \%)$ or "very true" $(12 \%)$ that the teaching strategies presented in the training were new to them. These percentages are slightly higher than responses from last year, suggesting that the program is reaching teachers who are somewhat less familiar with project-based pedagogy than previously.
- Sixty percent of the teachers felt that it was "very true" that the teaching strategies were "relevant to [their] teaching goals." This is consistent with findings from 2005.
- A majority of teachers reported using a number of specific project-based teaching strategies more often since the training, such as using "Essential Questions to structure lessons" ( $62 \%$ "do this more"), using "rubrics to evaluate student work" ( $56 \%$ "do this more"), having "students present their work to the class" ( $56 \%$ "do this more") and having "students engage in independent research using the Internet" ( $57 \%$ "do this more"). These findings are consistent with findings from 2005.


## Technology access

Most teachers have some access to classroom computers, and almost all report having access to the Internet both in their classrooms and in their schools' computer labs. While almost all teachers have access to computer labs, over half reported that it was difficult to schedule time in them.

- Very few (4\%) of the teachers responding to the survey reported having no

[^1]computers in their classroom. A quarter ( $26 \%$ ) have only one computer in their classroom, almost half ( $46 \%$ ) have 2-4 computers, and $24 \%$ have five or more computers.

- Nearly all of the teachers ( $96 \%$ ) have a computer lab or media center in their schools. Of the $4 \%$ who had no lab access, only one person reported having no classroom computers as well. Eleven percent of those with no lab access had one computer in their classroom, $56 \%$ have $2-4$ and $30 \%$ had more than 5.
- Only $2 \%$ of those with classroom computers had no Internet access on those computers, and only $1 \%$ of those with school computer labs had no Internet access on the lab computers. These reports of Internet access are consistent with national data on Internet access in schools ${ }^{3}$.
- Over half reported that it is either "difficult" (37\%) or "very difficult" (17\%) "to schedule time in the computer lab/media center." This is similar to findings from last year.

[^2]
## Intel ${ }^{\circledR}$ Teach to the Future Essentials 2006 End of School Year Survey Frequencies

1. Which Intel® Teach to the Future training did you complete?

|  | Frequency | Percent |
| :--- | ---: | ---: |
| Master Teacher training | 268 | 24.5 |
| Participant Teacher <br> training | 825 | 75.5 |
| Total | 1093 | 100.0 |

2. When did you complete your training?

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Jan-March, 2000 | 1 | .1 |
| April-June, 2000 | 2 | .2 |
| July-Sept,2000 | 4 | .3 |
| April-June, 2001 | 2 | .2 |
| July-Sept, 2001 | 1 | .1 |
| Oct-Dec, 2001 | 1 | .1 |
| July-Sept, 2002 | 2 | .2 |
| Jan-March, 2002 | 1 | .1 |
| Oct-Dec, 2003 | 4 | .3 |
| Jan-March, 2004 | 27 | 2.3 |
| April-June, 2004 | 21 | 1.8 |
| July-Sept, 2004 | 18 | 1.5 |
| Oct-Dec, 2004 | 134 | 11.4 |
| Jan-March, 2005 | 190 | 16.2 |
| April-June, 2005 | 418 | 35.7 |
| July-Sept, 2005 | 292 | 24.9 |
| Oct-Dec, 2005 | 54 | 4.6 |
| Total | 1172 | 100.0 |

3a. Since completing your Intel Teach to the Future training, how many times have you used your: Intel Teach to the Future manual?

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| More Than 10 Times | 202 | 17.3 |
| Four to Ten Times | 360 | 30.8 |
| One to Three Times | 454 | 38.8 |
| Not At All | 152 | 13.0 |
| Did Not Receive | 2 | .2 |
| Total | 1170 | 100.0 |

3b. Since completing your Intel Teach to the Future training, how many times have you used your: Intel Teach to the Future CD-ROM?

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| More Than 10 Times | 171 | 15.3 |
| Four to Ten Times | 254 | 22.7 |
| One to Three Times | 425 | 38.0 |
| Not At All | 250 | 22.4 |
| Did Not Receive | 18 | 1.6 |
| Total | 1118 | 100.0 |

4. Since completing your Intel $®$ Teach to the Future training how many times have you visited the Intel $®$ Innovation in Education website?

|  | Frequency | Percent |
| :--- | ---: | ---: |
| More than 10 times | 79 | 6.7 |
| $4-10$ times | 191 | 16.2 |
| 1-3 times | 406 | 34.5 |
| Never / Don't know | 502 | 42.6 |
| Total | 1178 | 100.0 |

5. Which of the following best describes the professional role you play in your school district?

|  | Frequency | Percent |
| :--- | ---: | ---: |
| Classroom teacher | 867 | 73.7 |
| Enrichment or resource <br> teacher (such as Title I, <br> gifted ed., etc.) | 96 | 8.2 |
| Technology coordinator, <br> media specialist or <br> librarian | 109 | 9.3 |
| Other professional staff <br> (such as staff developer, <br> instructional coach, etc) | 63 | 5.4 |
| Administrator | 13 | 1.1 |
| Other | 28 | 2.4 |
| Total | 1176 | 100.0 |

Those who identified themselves as "classroom" or "enrichment/resource teachers" were taken to Question 6. Those who identified themselves as something else were taken to Question 27.
6. What are the primary subjects you taught in the 2005-2006 academic year?

| Subject | Frequency | Percent |
| :--- | :--- | :--- |
| a. Arts | 65 | 5.5 |
| b. Bilingual Education | 55 | 4.7 |
| c. Computer Science | 102 | 8.7 |
| d. English | 391 | 33.2 |
| e. Family and Consumer Science | 27 | 2.3 |
| f. Foreign Languages | 35 | 3.0 |
| g. General Curriculum | 264 | 22.4 |
| h. Gifted | 58 | 4.9 |
| i. Math | 327 | 27.8 |
| j. Music | 32 | 2.7 |
| k. Physical Education | 40 | 3.4 |
| I. Religion | 10 | .8 |
| m. Science | 316 | 26.8 |
| n. Social Studies/History | 279 | 23.7 |
| o. Special Education | 99 | 8.4 |
| p. Vocational /Technical | 55 | 4.7 |

* Percent totals over $100 \%$ since respondents were able to check off multiple responses

7. Which grade levels did you teach in the 2005-2006 academic year?

| Grade Level | Frequency | Percent |
| :--- | :--- | :--- |
| Early Elementary (K-3) | 305 | 25.9 |
| Upper Elementary (4-5) | 225 | 19.1 |
| Middle School (6-8) | 307 | 26.1 |
| High School (9-12) | 292 | 24.8 |

* Percent totals over $100 \%$ since respondents were able to check off multiple responses

8. Since your training, have you implemented some or all of the unit plan you developed in your Intel $®$ Teach to the Future training?

|  | Frequency | Percent |
| :--- | ---: | ---: |
| Yes, more than once | 525 | 54.2 |
| Yes, once | 262 | 26.9 |
| Not yet, but I plan to use the lesson <br> before the end of this year | 102 | 10.5 |
| No, never | 81 | 8.4 |
| Total | 968 | 100.0 |

9. Since completing your Intel® Teach to the Future training, how often have you had your students engage in technology-integrated lessons? (Those who responded "never" were taken to Question 11. Those who gave any other response skipped Question 11).

|  | Frequency | Percent |
| :--- | ---: | ---: |
| Daily | 124 | 12.8 |
| Weekly | 289 | 29.9 |
| Monthly | 215 | 22.3 |
| Several times a year | 251 | 26.0 |
| Once a year | 41 | 4.2 |
| Never | 46 | 4.8 |
| Total | 966 | 100.0 |

10. Have you used technology with your students in new ways since you participated in the training?

|  | Frequency | Percent |
| :--- | ---: | ---: |
| Yes | 813 | 88.2 |
| No | 109 | 11.8 |
| Total | 922 | 100.0 |

Question 11 was asked only to respondents who reported "never" using technology with their students.
11a. Did any of the following reasons influence your decision not to use technology with your students? Not enough computers were available.

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Strongly Disagree | 14 | 15.2 |
| Disagree | 15 | 16.3 |
| No Opinion | 3 | 3.3 |
| Agree | 23 | 25.0 |
| Strongly Agree | 37 | 40.2 |
| Total | 92 | 100.0 |

11b. Did any of the following reasons influence your decision not to use technology with your students? The necessary software was not available.

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Strongly Disagree | 17 | 18.7 |
| Disagree | 21 | 23.1 |
| No Opinion | 9 | 9.9 |
| Agree | 19 | 20.9 |
| Strongly Agree | 25 | 27.5 |
| Total | 91 | 100.0 |

11c. Did any of the following reasons influence your decision not to use technology with your students? You did not have adequate access to the Internet.

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Strongly Disagree | 20 | 21.7 |
| Disagree | 26 | 28.3 |
| No Opinion | 7 | 7.6 |
| Agree | 15 | 16.3 |
| Strongly Agree | 24 | 26.1 |
| Total | 92 | 100.0 |

11d. Did any of the following reasons influence your decision not to use technology with your students? The lesson did not fit well into your curriculum.

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Strongly Disagree | 28 | 31.8 |
| Disagree | 28 | 31.8 |
| No Opinion | 15 | 17.0 |
| Agree | 13 | 14.8 |
| Strongly Agree | 4 | 4.5 |
| Total | 88 | 100.0 |

11e. Did any of the following reasons influence your decision not to use technology with your students? The lesson would not help your students meet required learning goals.

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Strongly Disagree | 29 | 33 |
| Disagree | 32 | 36.4 |
| No Opinion | 15 | 17.0 |
| Agree | 9 | 10.2 |
| Strongly Agree | 3 | 3.4 |
| Total | 88 | 100.0 |

11f. Did any of the following reasons influence your decision not to use technology with your students? You did not feel confident enough in your technology skills.

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Strongly Disagree | 40 | 44.4 |
| Disagree | 29 | 32.2 |
| No Opinion | 7 | 7.8 |
| Agree | 13 | 14.4 |
| Strongly Agree | 1 | 1.1 |
| Total | 90 | 100.0 |

11g. Did any of the following reasons influence your decision not to use technology with your students? You did not have enough planning and preparation time.

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Strongly Disagree | 20 | 22.2 |
| Disagree | 16 | 17.8 |
| No Opinion | 11 | 12.2 |
| Agree | 33 | 36.7 |
| Strongly Agree | 10 | 11.1 |
| Total | 90 | 100.0 |

11h. Did any of the following reasons influence your decision not to use technology with your students? You did not have adequate administrative support.

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Strongly Disagree | 26 | 29.9 |
| Disagree | 26 | 29.9 |
| No Opinion | 23 | 26.4 |
| Agree | 8 | 9.2 |
| Strongly Agree | 4 | 4.6 |
| Total | 87 | 100.0 |

11i. Did any of the following reasons influence your decision not to use technology with your students? You did not have adequate technical support.

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Strongly Disagree | 24 | 27.0 |
| Disagree | 25 | 28.1 |
| No Opinion | 15 | 16.9 |
| Agree | 16 | 18.0 |
| Strongly Agree | 9 | 10.1 |
| Total | 89 | 100.0 |

11j. Did any of the following reasons influence your decision not to use technology with your students? You did not have adequate instructional support.

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Strongly Disagree | 26 | 29.9 |
| Disagree | 24 | 27.6 |
| No Opinion | 25 | 28.7 |
| Agree | 11 | 12.6 |
| Strongly Agree | 1 | 1.1 |
| Total | 87 | 100.0 |

After completing Question 11, these respondents were taken to Question 16.

Questions 12-15 were asked only to teachers who reported using technology with their students.
Think of a class in which you implemented a particular technology-integrated lesson or activity. Please answer the following questions about that experience.
12. How many students were in that class?

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| $1-10$ | 105 | 12.1 |
| $11-20$ | 272 | 31.3 |
| $21-30$ | 407 | 46.8 |
| $31-40$ | 58 | 6.7 |
| $41-50$ | 7 | .8 |
| 51 or more | 20 | 2.3 |
| Total | 869 | 100.0 |

13. Below are some possible objectives of that lesson. Please mark the ONE goal that was most relevant or important for that lesson.

|  | Frequency | Percent |
| :--- | ---: | ---: |
| Students learn curriculum content | 254 | 29.1 |
| Students work on basic skills (such as math and <br> reading) | 98 | 11.2 |
| Students express their ideas/opinions by creating <br> multimedia | 177 | 20.3 |
| Students conduct research | 144 | 16.5 |
| Students gain preparation to succeed in the <br> workforce | 26 | 3.0 |
| Students present information to an audience | 68 | 7.8 |
| Students improve their computer skills | 60 | 6.9 |
| Students learn to work in groups | 28 | 3.2 |
| Students learn to work independently | 15 | 1.7 |
| None of the above | 3 | .3 |
| Total | 873 | 100.0 |

14a. Please indicate the degree to which you agree or disagree with each statement about the impact of this technology-integrated lesson on your students: Students were motivated and actively involved in the lesson.

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Strongly Disagree | 11 | 1.3 |
| Disagree | 4 | .5 |
| No Opinion | 12 | 1.4 |
| Agree | 447 | 51.3 |
| Strongly Agree | 397 | 45.6 |
| Total | 871 | 100.0 |

14b. Please indicate the degree to which you agree or disagree with each statement about the impact of this technology-integrated lesson on your students: Students worked together more often than in previous, comparable assignments.

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Strongly Disagree | 13 | 1.3 |
| Disagree | 69 | 1.7 |
| No Opinion | 166 | 6.2 |
| Agree | 445 | 85.0 |
| Strongly Agree | 17 | 32.8 |
| Total | 868 | 100.0 |

14c. Please indicate the degree to which you agree or disagree with each statement about the impact of this technology-integrated lesson on your students: Technology-integrated lessons addressed students' different learning styles.

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Strongly Disagree | 11 | 1.3 |
| Disagree | 15 | 1.7 |
| No Opinion | 54 | 6.2 |
| Agree | 505 | 58.0 |
| Strongly Agree | 285 | 32.8 |
| Total | 870 | 100.0 |

14d. Please indicate the degree to which you agree or disagree with each statement about the impact of this technology-integrated lesson on your students: Student work showed more in-depth understanding of content than in previous, comparable assignment

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Strongly Disagree | 10 | 1.2 |
| Disagree | 52 | 6.0 |
| No Opinion | 155 | 17.9 |
| Agree | 454 | 52.3 |
| Strongly Agree | 197 | 22.7 |
| Total | 868 | 100.0 |

14e. Please indicate the degree to which you agree or disagree with each statement about the impact of this technology-integrated lesson on your students: Students were able to communicate their ideas and opinions with greater confidence than in previous, comparable assignments.

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Strongly Disagree | 11 | 1.3 |
| Disagree | 29 | 3.3 |
| No Opinion | 141 | 16.2 |
| Agree | 468 | 53.9 |
| Strongly Agree | 219 | 25.2 |
| Total | 868 | 100.0 |

$15 a$. The following statements are about challenges you may have faced while implementing this technology-integrated lesson or activity. It was difficult to manage your students on the computers.

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Strongly Disagree | 130 | 15.0 |
| Disagree | 458 | 52.9 |
| No Opinion | 64 | 7.4 |
| Agree | 196 | 22.6 |
| Strongly Agree | 18 | 2.1 |
| Total | 866 | 100.0 |

15b. The following statements are about challenges you may have faced while implementing this technology-integrated lesson or activity. Not enough computers were available.

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Strongly Disagree | 160 | 18.4 |
| Disagree | 265 | 30.5 |
| No Opinion | 27 | 3.1 |
| Agree | 212 | 24.4 |
| Strongly Agree | 206 | 23.7 |
| Total | 870 | 100.0 |

15c. The following statements are about challenges you may have faced while implementing this technology-integrated lesson or activity. You did not have adequate access to the Internet.

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Strongly Disagree | 241 | 27.9 |
| Disagree | 390 | 45.2 |
| No Opinion | 50 | 5.8 |
| Agree | 119 | 13.8 |
| Strongly Agree | 63 | 7.3 |
| Total | 863 | 100.0 |

15d. The following statements are about challenges you may have faced while implementing this technology-integrated lesson or activity. The class time or lab time that was available was too short.

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Strongly Disagree | 121 | 13.9 |
| Disagree | 286 | 32.9 |
| No Opinion | 58 | 6.7 |
| Agree | 298 | 34.3 |
| Strongly Agree | 106 | 12.2 |
| Total | 869 | 100.0 |

15e. The following statements are about challenges you may have faced while implementing this technology-integrated lesson or activity. You did not have strong enough computer skills.

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Strongly Disagree | 350 | 40.4 |
| Disagree | 401 | 46.3 |
| No Opinion | 45 | 5.2 |
| Agree | 58 | 6.7 |
| Strongly Agree | 13 | 1.5 |
| Total | 867 | 100.0 |

15f. The following statements are about challenges you may have faced while implementing this technologyintegrated lesson or activity. Many students did not have strong enough computer skills.

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Strongly Disagree | 76 | 8.8 |
| Disagree | 384 | 44.2 |
| No Opinion | 61 | 7.0 |
| Agree | 287 | 33.1 |
| Strongly Agree | 60 | 6.9 |
| Total | 868 | 100.0 |

15 g . The following statements are about challenges you may have faced while implementing this technology-integrated lesson or activity. You did not have adequate administrative support.

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Strongly Disagree | 259 | 29.9 |
| Disagree | 374 | 43.2 |
| No Opinion | 141 | 16.3 |
| Agree | 66 | 7.6 |
| Strongly Agree | 26 | 3.0 |
| Total | 866 | 100.0 |

15 h . The following statements are about challenges you may have faced while implementing this technology-integrated lesson or activity. You did not have adequate technical support.

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Strongly Disagree | 227 | 26.2 |
| Disagree | 382 | 44.1 |
| No Opinion | 104 | 12.0 |
| Agree | 118 | 13.6 |
| Strongly Agree | 35 | 4.0 |
| Total | 866 | 100.0 |

15i. The following statements are about challenges you may have faced while implementing this technologyintegrated lesson or activity. You did not have adequate instructional support.

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Strongly Disagree | 237 | 27.5 |
| Disagree | 433 | 50.2 |
| No Opinion | 126 | 14.6 |
| Agree | 53 | 6.1 |
| Strongly Agree | 14 | 1.6 |
| Total | 863 | 100.0 |

16a. In addition to its focus on technology skills, the Intel® Teach to the Future training suggests strategies that participants might use to incorporate project-based lessons into their teaching. The teaching strategies were new to me.

|  | Frequency | Percent |
| :--- | ---: | ---: |
| Not True At All | 271 | 28.4 |
| Somewhat True | 567 | 59.5 |
| Very True | 115 | 12.1 |
| Total | 953 | 100.0 |

16b. In addition to its focus on technology skills, the Intel® Teach to the Future training suggests strategies that participants might use to incorporate project-based lessons into their teaching. The teaching
strategies were relevant to my teaching goals

|  | Frequency | Percent |
| :--- | ---: | ---: |
| Not True At All | 22 | 2.3 |
| Somewhat True | 363 | 37.7 |
| Very True | 577 | 60.0 |
| Total | 962 | 100.0 |

17a. Since completing your Inte|® Teach to the Future training, has there been a change in how frequently you do the following? Use a textbook as a primary guide for instruction.

|  | Frequency | Percent |
| :--- | ---: | ---: |
| Do This Less | 347 | 35.8 |
| No Change | 518 | 53.5 |
| Do This More | 31 | 3.2 |
| Not Applicable | 72 | 7.4 |
| Total | 968 | 100.0 |

17b. Since completing your Inte $®$ ® Teach to the Future training, has there been a change in how frequently you do the following? Use Essential Questions to structure lessons.

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Do This Less | 13 | 1.3 |
| No Change | 329 | 34.1 |
| Do This More | 601 | 62.2 |
| Not Applicable | 23 | 2.4 |
| Total | 966 | 100.0 |

17c. Since completing your Intel ${ }^{®}$ Teach to the Future training, has there been a change in how frequently you do the following? Access the Internet to aid in developing lessons or activities.

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Do This Less | 5 | .5 |
| No Change | 200 | 20.7 |
| Do This More | 751 | 77.7 |
| Not Applicable | 10 | 1.0 |
| Total | 966 | 100.0 |

17d. Since completing your Inte $®$ ® Teach to the Future training, has there been a change in how frequently you do the following? Use a computer for administrative work (for example, grading, attendance, creating handouts).

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Do This Less | 2 | .2 |
| No Change | 366 | 37.8 |
| Do This More | 590 | 61.0 |
| Not Applicable | 9 | .9 |
| Total | 967 | 100.0 |

17e. Since completing your Intel $®$ Teach to the Future training, has there been a change in how frequently you do the following? Present information to students using computer technology.

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Do This Less | 5 | .5 |
| No Change | 258 | 26.7 |
| Do This More | 681 | 70.5 |
| Not Applicable | 22 | 2.3 |
| Total | 966 | 100.0 |

17f. Since completing your Intel $®$ Teach to the Future training, has there been a change in how frequently you do the following? Use rubrics to evaluate student work.

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Do This Less | 5 | .5 |
| No Change | 391 | 40.6 |
| Do This More | 538 | 55.9 |
| Not Applicable | 29 | 3.0 |
| Total | 963 | 100.0 |

17 g . Since completing your Inte|® Teach to the Future training, has there been a change in how frequently you do the following? Have students review and revise their own work.

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Do This Less | 6 | .6 |
| No Change | 481 | 49.8 |
| Do This More | 449 | 46.5 |
| Not Applicable | 30 | 3.1 |
| Total | 966 | 100.0 |

17h. Since completing your Inte| $®$ Teach to the Future training, has there been a change in how frequently you do the following? Have students present their work to the class.

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Do This Less | 3 | .3 |
| No Change | 392 | 40.6 |
| Do This More | 542 | 56.1 |
| Not Applicable | 29 | 3.0 |
| Total | 966 | 100.0 |

17i. Since completing your Intel $®$ Teach to the Future training, has there been a change in how frequently you do the following? Have students engage in independent research using the Internet.

|  | Frequency | Percent |
| :--- | ---: | ---: |
| Do This Less | 7 | .7 |
| No Change | 358 | 37.0 |
| Do This More | 547 | 56.5 |
| Not Applicable | 56 | 5.8 |
| Total | 968 | 100.0 |

17j. Since completing your Intel $®$ Teach to the Future training, has there been a change in how frequently you do the following? Have students work on group projects.

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Do This Less | 8 | .8 |
| No Change | 426 | 44.2 |
| Do This More | 495 | 51.3 |
| Not Applicable | 35 | 3.6 |
| Total | 964 | 100.0 |

17 k . Since completing your Intel $®$ Teach to the Future training, has there been a change in how frequently you do the following? Have students choose their own topics for research projects.

|  | Frequency | Percent |
| :--- | ---: | ---: |
| Do This Less | 15 | 1.6 |
| No Change | 519 | 54.0 |
| Do This More | 352 | 36.6 |
| Not Applicable | 76 | 7.9 |
| Total | 962 | 100.0 |

18. How many computers are in your classroom (the room(s) in which you primarily teach, not the school computer lab)? (Those who responded 0 computers skipped Question 19)

|  | Frequency | Percent |
| :--- | ---: | ---: |
| 0 computers | 36 | 3.7 |
| 1 computer | 253 | 26.1 |
| $2-4$ computers | 449 | 46.4 |
| $5-7$ computers | 114 | 11.8 |
| More than 7 computers | 116 | 12.0 |
| Total | 968 | 100.0 |

19. Do the computers in your classroom have Internet access?

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Yes, all of them do | 761 | 81.5 |
| Yes, some of them do | 154 | 16.5 |
| No, none of them do | 19 | 2.0 |
| Total | 934 | 100.0 |

20. In your school do you have computer labs or media centers? (Those who responded "no" skipped Questions 21-24.)

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Yes | 926 | 95.6 |
| No | 43 | 4.4 |
| Total | 969 | 100.0 |

21. Do some or all of the computers in the labs/media centers have access to the Internet?

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Yes | 913 | 99.0 |
| No | 9 | 1.0 |
| Total | 922 | 100.0 |

22. In total, how many computers are available in the computer labs or media centers? Please give a combined total if your students have access to multiple labs or media centers.

|  | Frequency | Percent |
| :--- | ---: | ---: |
| $1-10$ computers | 47 | 5.1 |
| $11-20$ computers | 132 | 14.2 |
| $21-30$ computers | 346 | 37.2 |
| $31-40$ computers | 152 | 16.3 |
| 41 or more computers | 253 | 27.2 |
| Total | 930 | 100.0 |

23. How often do you work with your students in the computer lab or media center?

|  | Frequency | Percent |
| :--- | ---: | ---: |
| Daily | 66 | 7.1 |
| Weekly | 281 | 30.2 |
| Monthly | 191 | 20.6 |
| Less than once <br> per month | 236 | 25.4 |
| Never | 155 | 16.7 |
| Total | 929 | 100.0 |

24. How easy or difficult is it to schedule time in the computer lab/media center?

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Very difficult | 155 | 16.7 |
| Somewhat difficult | 340 | 36.6 |
| No opinion | 104 | 11.2 |
| Easy | 248 | 26.7 |
| Very easy | 82 | 8.8 |
| Total | 929 | 100.0 |

25. Do you have your students use computers at home to do their schoolwork?

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Yes | 459 | 47.4 |
| No | 510 | 52.6 |
| Total | 969 | 100.0 |

26. To do their schoolwork, do you have your students use computers outside of school at a community center, library, or public technology center?

|  | Frequency | Percent |
| :--- | ---: | ---: |
| Yes | 280 | 28.9 |
| No | 689 | 71.1 |
| Total | 969 | 100.0 |

27. Are you receiving academic or professional development credits for your participation in Intel Teach to the Future?

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Yes | 927 | 79.0 |
| No | 246 | 21.0 |
| Total | 1173 | 100.0 |

28. Please estimate the percentage of students attending your school who are eligible for the free and reduced lunch program.

|  | Frequ <br> ency | Percent |
| :--- | ---: | ---: |
| $0-25 \%$ | 264 | 22.6 |
| $25-50 \%$ | 304 | 26.1 |
| $51-75 \%$ | 266 | 22.8 |
| $76-100 \%$ | 284 | 24.4 |
| Not Applicable | 48 | 4.1 |
| Total | 1166 | 100.0 |

29. How many years of experience do you have as a K-12 teacher (counting part or all of the 2005-06 academic year as a full year)?

|  | Frequency | Percent |
| :--- | ---: | ---: |
| $1-2$ | 90 | 7.7 |
| $3-9$ | 360 | 30.6 |
| $10-19$ | 383 | 32.6 |
| 20 or more | 340 | 28.9 |
| Not <br> Applicable | 3 | .3 |
| Total | 1176 | 100.0 |

30. What is your gender?

|  |  |  |
| :--- | ---: | ---: |
|  | Frequency | Percent |
| Male | 180 | 15.3 |
| Female | 993 | 84.7 |
| Total | 1173 | 100.0 |

31. What is your race/ethnicity?

|  | Frequency | Percent |
| :--- | ---: | ---: |
| American Indian or Alaska Native | 22 | 1.9 |
| Asian | 14 | 1.2 |
| Black or African American | 86 | 7.3 |
| Hispanic/Latino | 76 | 6.5 |
| Native Hawaiian or Other Pacific Islander | 3 | .3 |
| White | 980 | 83.2 |
| Other | 13 | 1.1 |

* Percent totals over $100 \%$ since respondents were able to check off multiple responses


[^0]:    ${ }^{1}$ Response rates for the U.S. Intel Teach to the Future Essentials 2006 End of School Year Survey were calculated based on the number of responses received relative to the number of valid email requests that were sent minus messages that bounced back to Intel or EDC. Of the 4,953 individuals who were asked to take the survey (4,053 Participant Teachers and 900 Master Teachers), 1,178 people responded ( 825 Participant Teachers and 268 Master Teachers, with 85 respondents not identifying themselves as either), for a response rate of $24 \%$ ( $20 \%$ response rate for Participant Teachers and $30 \%$ for Master Teachers

[^1]:    ${ }^{2}$ National averages for free/reduced price lunch eligibility come from the U.S. Department of Education, National Center for Educational Statistics (NCES) National Assessment of Educational Progress (NAEP) 2003 Reading Assessment for $4^{\text {th }}$ graders.

[^2]:    ${ }^{3}$ National statistics for Internet access in school come from the U.S. Department of Education, National Center for Educational Statistics (NCES) Digest of Educational Statistics, 2004.

