

Technology and Literacy Report

Advanced Education and Labour

July 1996

Forward

The Technology and Literacy Survey was undertaken in January, 1996 by the Provincial Literacy Coordinators of the Department of Advanced Education and Labour with the assistance of the Literacy Coordinators of the New Brunswick Community Colleges.

The purpose of the survey was to help identify what skills and knowledge existed in the area of technology amongst those who provide training and those who receive training in adult literacy. The survey also attempted to obtain information that could help appraise the level of interest for technology in delivering community-based literacy programs and identify barriers that inhibit its utilization.

The results of the survey conducted with the Anglophone linguistic group are tabulated in this English version. A provincial report section contains the combined results of both the Anglophone and Francophone linguistic groups.

The findings should help give a sense of direction and vision to those who are charged with developing and implementing action plans that would integrate technology into adult literacy programs.

We wish to thank all those who gave of their precious time to contribute to the success of this survey by either providing information, compiling results or managing the process.

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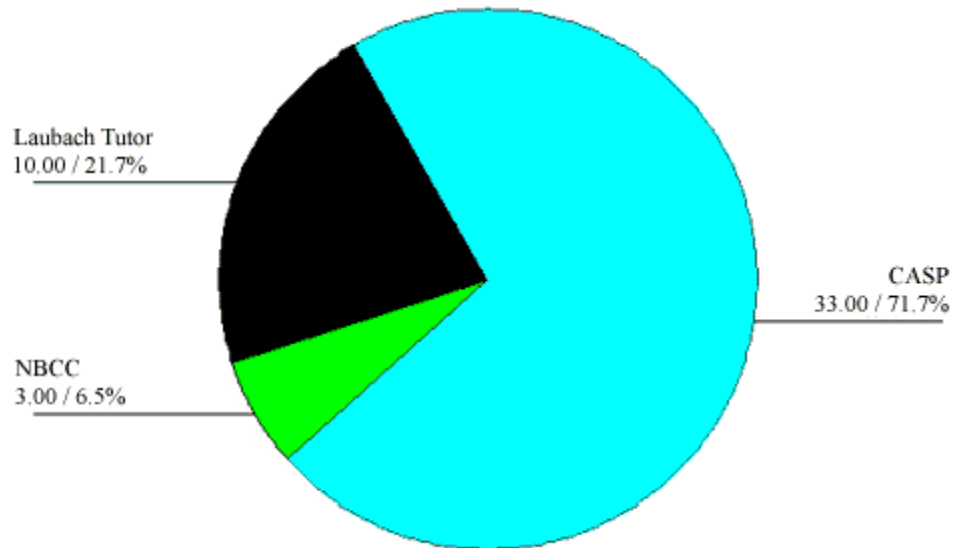
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Technology and Literacy Survey (Anglophones Educators)

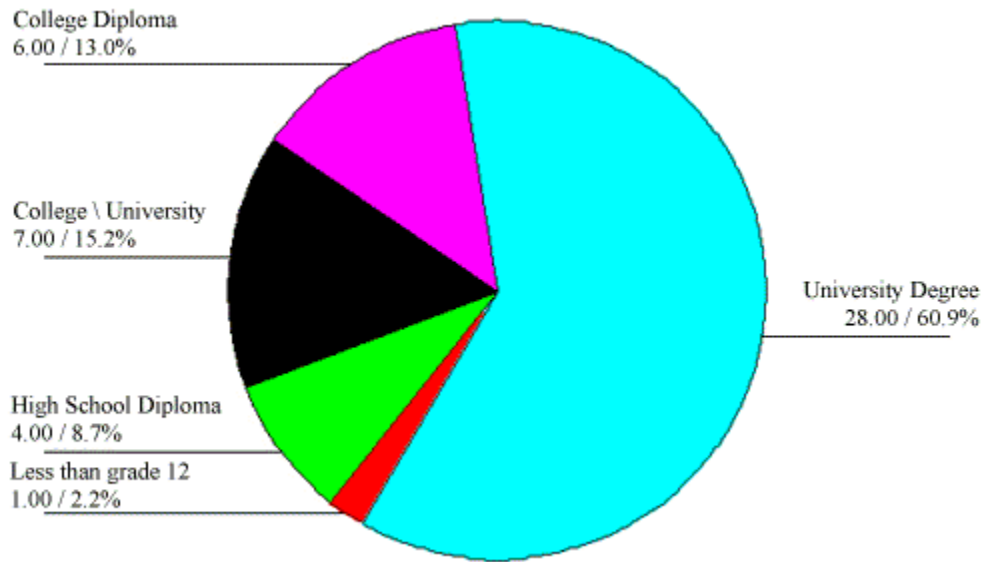
Distribution of the educators



- 33 or 71.7% of the educators are CASP facilitators.
- 10 or 21.7% of the educators are Laubach tutors.
- 3 or 6.5% of the educators are NBCC instructors.

Technology and Literacy Survey (Anglophones Educators)

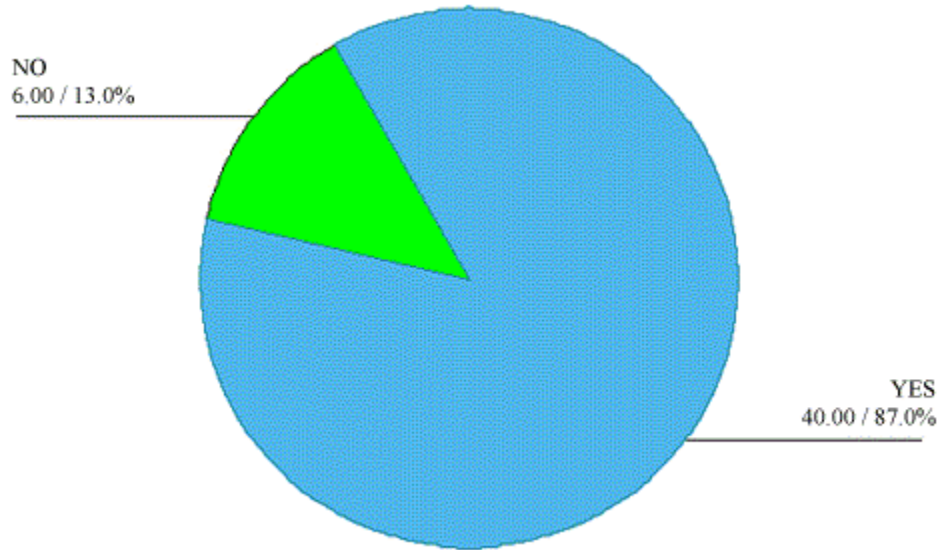
Education level of the educators.



- 2.2% or 1 educator has less than grade 12.
- 8.7% or 4 educators have a high school diploma.
- 15.2% or 7 educators have some college or university.
- 13.0% or 6 educators have a college diploma.
- 60.9% or 28 educators have a university degree.

Technology and Literacy Survey (Anglophones Educators)

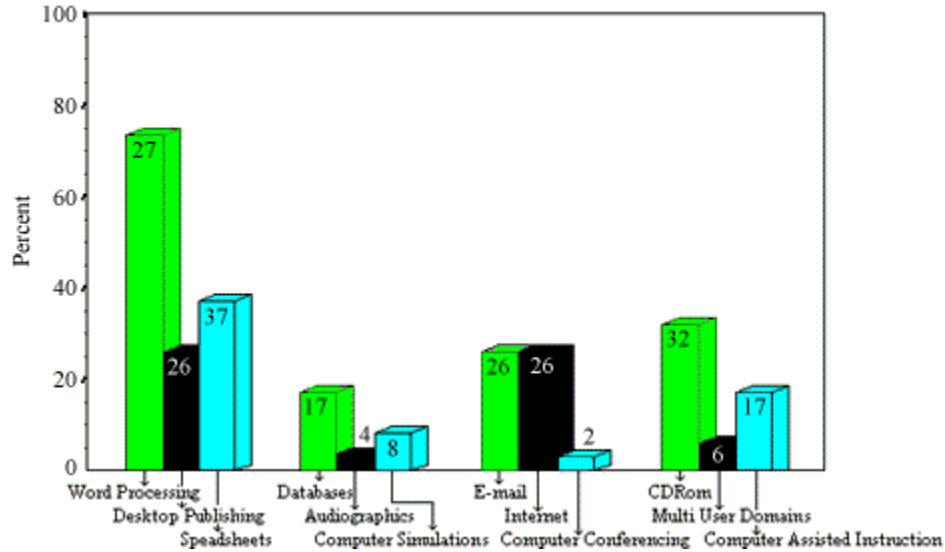
Experience using computers.



- 87% or 40 educators indicated that they had some computer experience.
- 13% or 6 educators indicated that they had no computer experience.

Technology and Literacy Survey (Anglophones Educators)

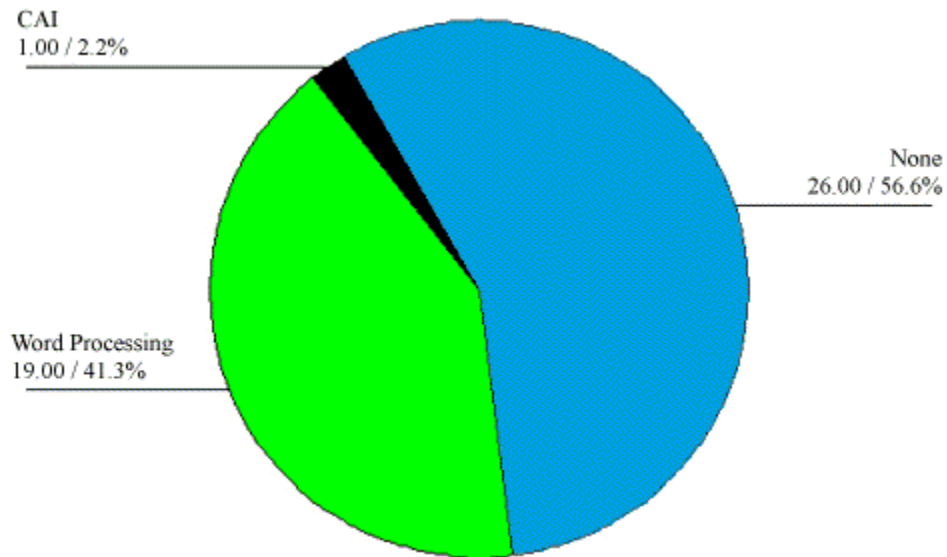
Computer programs educators have used.



- 73% or 34 educators out of 46
 - 26% or 12 educators out of 46
 - 37% or 17 educators out of 46
 - 17% or 8 educators out of 46
 - 4% or 2 educators out of 46
 - 8% or 4 educators out of 46
 - 26% or 12 educators out of 46
 - 26% or 12 educators out of 46
 - 2% or 1 educator out of 46
 - 32% or 15 educators out of 46
 - 6% or 3 educators out of 46
 - 17% or 8 educators out of 46
- Word Processing.
Desktop Publishing.
Spreadsheets.
Databases.
Audiographics.
Computer Simulations.
E-mail.
Internet.
Computer Conferencing.
CDRom.
Multi User Domains.
Computer Assisted Instruction.

Technology and Literacy Survey (Anglophones Educators)

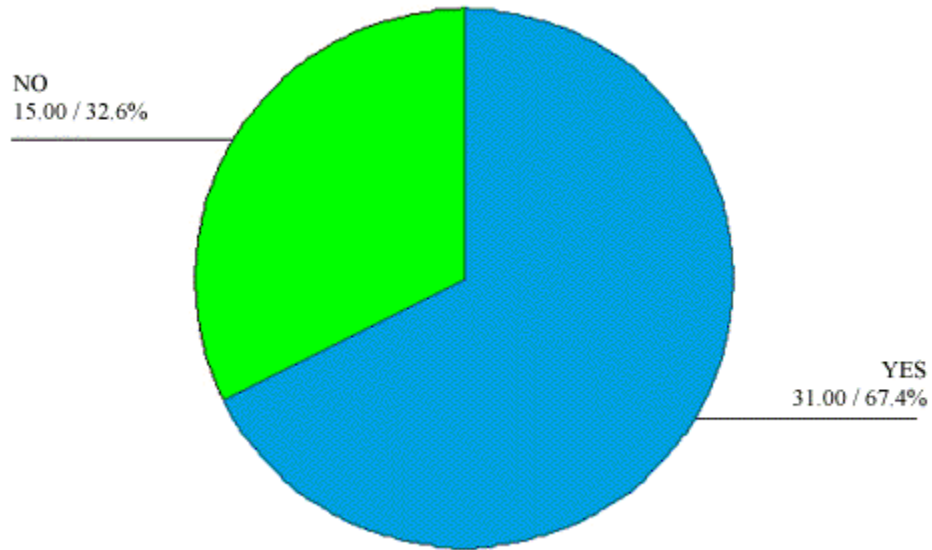
Which computer programs have you used in academic training?



- 56.5% or 26 educators have not used any in their academic upgrading program.
- 41.3% or 19 educators have used Word Processing in their academic upgrading program.
- 2.2% or 1 educator has used Computer Assisted Instruction (CAI) in their academic upgrading program.

Technology and Literacy Survey (Anglophones Educators)

Have you completed any computer training workshops or courses?



- 67.4% or 31 educators answered yes that they had completed computer training.
- 32.6% or 15 educators answered no that they have not completed any computer training.

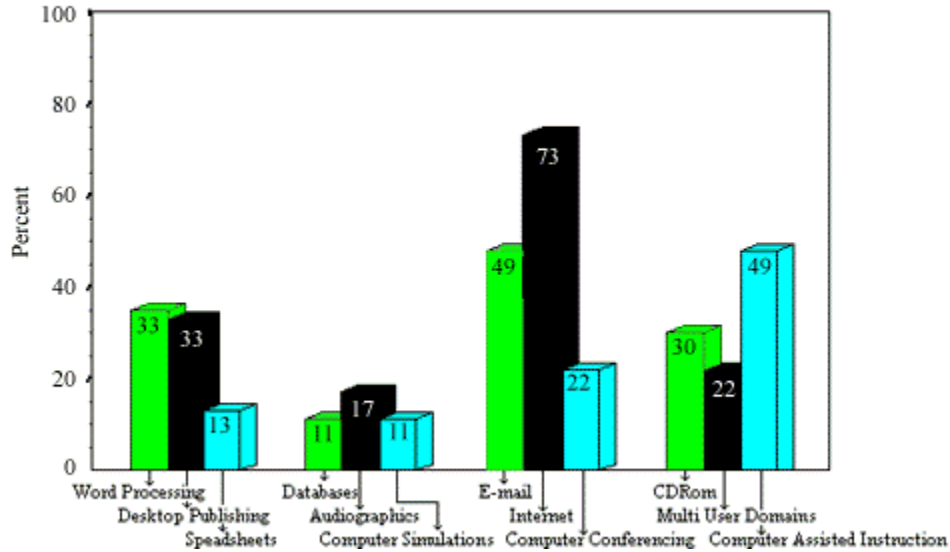
Technology and Literacy Survey (Anglophones Educators)

The workshops or courses completed:

- Eastern Business.
- Audiographics, Computer Conferencing, Multi User Domains.
- Internet.
- Intro to WordPerfect (NBCC).
- Academy of Learning (WP5.1, LOTUS 1-2-3, Desktop Publishing).
- Quatro Pro for windows, WP.
- University Course -- Introduction to computers.
- Word Processing at Modern Business College, Computer module for B.ED. at St. Thomas University.
- Programming.
- Computer training workshop - CASP professional development conference. (Memramcook) and Literacy Symposium University.
- Toronto School of Business Working Word.
- MS DOS, DOS Worksheet.
- Acc Pac, Windows Desktop Publishing.
- Basic computer Literacy at NBCC - Moncton.

Technology and Literacy Survey (Anglophones Educators)

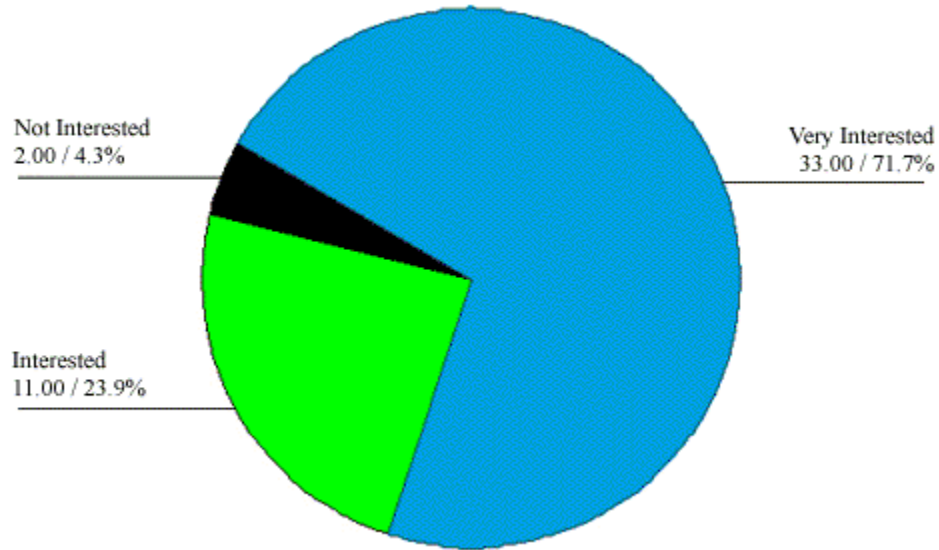
Identify the workshops that you would like to attend.



- 35% or 16 educators out of 46
 - 33% or 15 educators out of 46
 - 13% or 6 educators out of 46
 - 11% or 5 educators out of 46
 - 17% or 8 educators out of 46
 - 11% or 5 educators out of 46
 - 49% or 22 educators out of 46
 - 73% or 34 educators out of 46
 - 22% or 10 educators out of 46
 - 30% or 14 educators out of 46
 - 22% or 10 educators out of 46
 - 49% or 22 educators out of 46
- Word Processing.
 Desktop Publishing.
 Spreadsheets.
 Databases.
 Audiographics.
 Computer Simulations.
 E-mail.
 Internet.
 Computer Conferencing.
 CDROM.
 Multi User Domains.
 Computer Assisted Instruction.

Technology and Literacy Survey (Anglophones Educators)

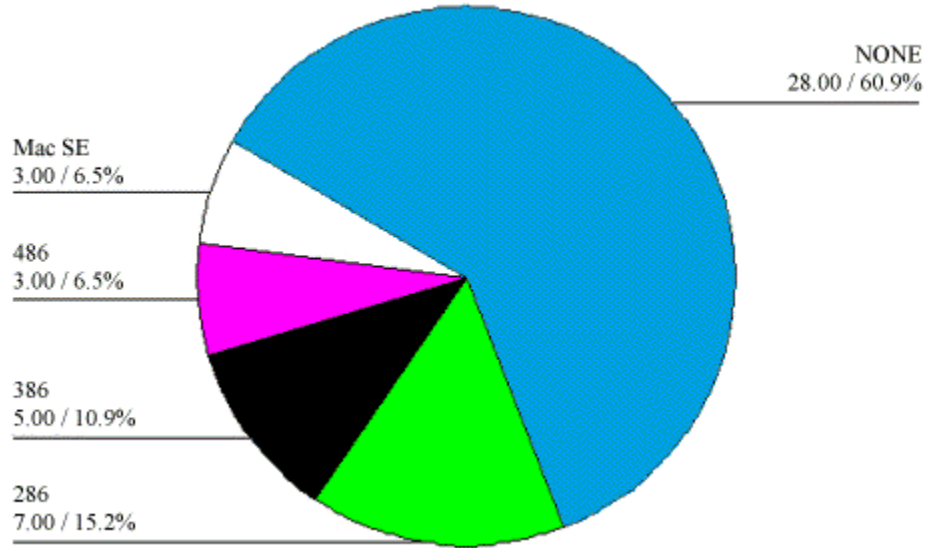
How interested are you in learning about new computer technologies?



- 71.7% or 33 educators are very interested in learning new computer technologies.
- 23.9% or 11 educators are interested in learning new computer technologies.
- 4.3% or 2 educators are not interested in learning new computer technologies.

Technology and Literacy Survey (Anglophones Educators)

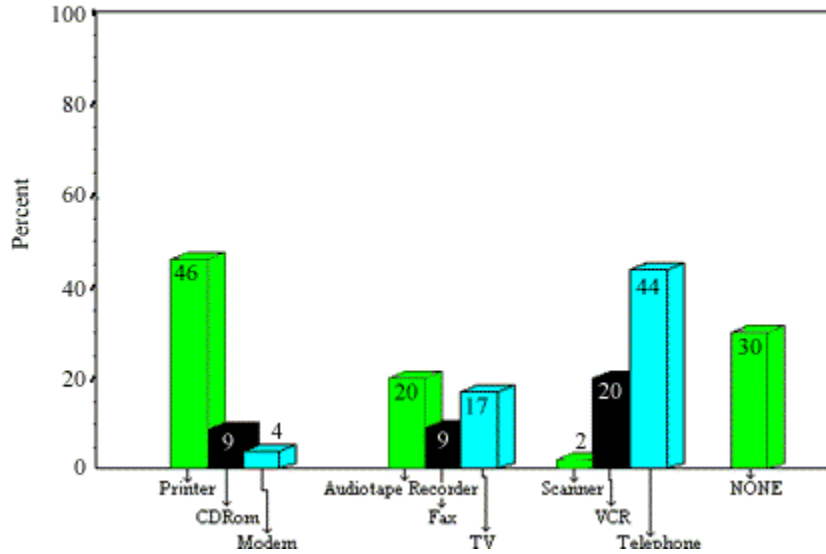
Do you have computers in your classroom?



- 6.5% or 3 educators have a Mac SE in their classroom.
- 15.2% or 7 educators have a 286 IBM or compatible in their classroom.
- 10.9% or 5 educators have a 386 IBM or compatible in their classroom.
- 6.5% or 3 educators have a 486 IBM or compatible in their classroom.
- 60.9% or 28 educators do not have a computer in their classroom.

Technology and Literacy Survey (Anglophones Educators)

What other technologies or computer hardware do you have in your classroom?

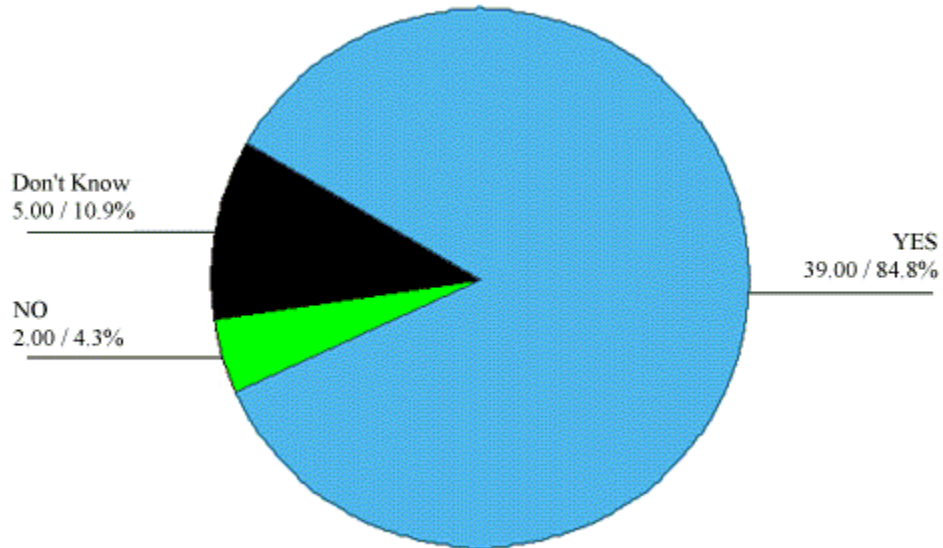


- 46% or 21 classes
- 9% or 4 classes
- 4% or 2 classes
- 20% or 9 classes
- 9% or 4 classes
- 17% or 8 classes
- 2% or 1 class
- 20% or 9 classes
- 44% or 20 classes
- 30% or 14 classes

- Printer.
- CDROM.
- Modem.
- Audiotape Recorder.
- Fax.
- TV.
- Scanner.
- VCR.
- Telephone.
- NONE.

Technology and Literacy Survey (Anglophones Educators)

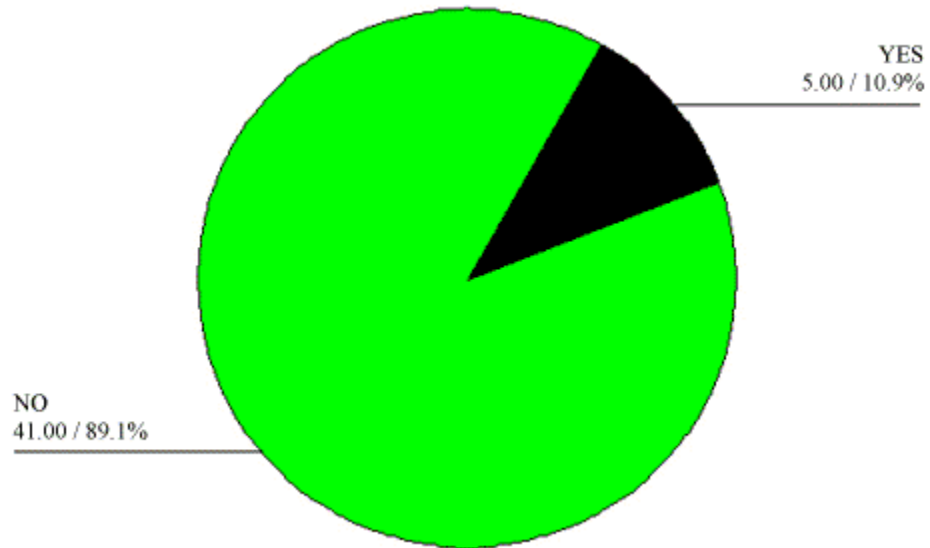
Do you think access to E-mail and Internet would be educationally beneficial to the learners in your program?



- 10.9% or 5 educators do not know if access to E-mail and the Internet would be educationally beneficial to the learners.
- 4.3% or 2 educators do not think that access to E-mail and the Internet would be educationally beneficial to the learners.
- 84.8% or 39 educators think that access to E-mail and the Internet would be educationally beneficial to the learners.

Technology and Literacy Survey (Anglophones Educators)

Do you presently have access to a 486 computer, a modem, a telephone line and a printer?



- 89.1% or 41 educators do not have access to these items.
- 10.9% or 5 educators do have access to these items.

Technology and Literacy Survey (Anglophones Educators)

Are there physical, financial or other barriers to installing them in your classroom?

- "Cannot financially afford any luxuries. All fund raising pays for the upkeep of our educational facility."
- "Plans are to have a pentium and all above hardware in early 1996."
- "No funding for this type of service."
- "We exist on donations, so we lack funds."
- "There are no funds available presently to accommodate our CASP classroom with computers. To set up a phone would be \$400 alone."
- "There are physical and financial barriers. We used a borrowed space from the city along with other organizations and clubs. It is a day to day struggle to raise money for books and to pay for photocopies."
- "Use a room in the Kiwanis Community Centre. Since this is also used by other community groups, security may be a problem. Financing may also be a problem."
- "Budget and prison regulations."

Technology and Literacy Survey (Anglophones Educators)

"To help prepare adult literacy students for the future, our programs must provide them with an exposure to computers and communication technology and the skills to effectively use the technology."

Please comment on this statement.

- "Agree with this statement. You have 2 strikes against you if you are both functional and computer illiterate."
- "Generally agree with the above statement. Our students are different from the CASP's, however they already have jobs. Some use computers, but most do not. Most of them have been at Hub for at least 5 yrs. If they lost their job. Their technical skills would definitely be an asset."
- "It would be of benefit, however the primary focus are the basics, if possible exposure to computer. Realistically we are unable to afford the cost of most of the available technology."
- "Agree, but the truth of the matter is we do not have the funding for computers and access to the Internet etc. Realistically the CASP program barely has funding for books."
- "With the coming of the information highway, some learners are in danger of being run over. Exposure to various computer systems in a supportive environment will prepare learners and hopefully give them confidence for the future."
- "Depends on how affective training is and how accessible the computer would be for the student."
- "Whole heartedly agree with this statement. Computers skills are needed in a wide variety of jobs today - even a cashier in a store must be comfortable with operating a computerized till. People need to be computer literate and to feel comfortable with computers. So they will not feel inhibited to apply for computer related jobs."
- "The suggestion in this statement is ideal. However regarding adult students especially those who are disabled or with special needs will the time be available for longer training sessions and not just short introductory exposure?"
- "Given the increasing role of computers in the work place and in society in general, I would agree with this statement. But there has to be a balance between what the students know and what we want them to know."
- "First of all the students need reading and writing competency in order to use the computer. But there are simpler programs that they can start with and for sure the more they know about computers the better because many work places use them."
- "Having a computer in the classroom is not an accessory today; it is a necessity. Not only does it provide a large stride into the future, but it can erase the fears many students have of even applying for work. (Almost all businesses have computers.)"
- "This is true to a certain extent. Students may need exposure to computers but this cannot interfere with the many other skills they require to function adequately."

Technology and Literacy Survey (Anglophones Educators)

Please provide your views on the use of technology in education.

- "Hands on use of any type of technology would benefit all students in literacy. Technology is as important as text books."
- "Technology in education is great. It's fun to learn. Many learners will be surprised at how easy it really is. They have the idea that computers are too difficult to learn, that computers are way out of their league. It would improve their confidence greatly."
- "Use of technology in education gives the student a variety of learning techniques. They are not limited to just reading out of a book. It provides them with a little knowledge to better prepare themselves for the fast changes that is happening in our world."
- "I think that in today's society we as educators do need to adopt our classrooms to the technologies of today and tomorrow. Unfortunately due to financial cutbacks to education it will certainly be a challenge to provide our students with access to this technology."
- "There is a place for technology in education, but it must be a supplement and not a substitute. There is no point in learning about E-mail if a person cannot write a sentence."
- "I believe in using whatever is most effective at the time. If audio-visual aids, computers etc; are used appropriately, they can greatly enhance learning, especially when used "hand on" by the student. Using technology for the sake of technology is unwise. Sometimes simple old-fashioned approaches may be more appropriate. One should always keep the goal in mind when planning which approaches to use."
- "Must be properly researched, pilot-tested, modified and incorporated in an individualised programme designed for adults . Flexibility, and "user friendly," and as a tool to support learners in effective ways, and those to be developed for "life-long learning" are core components of a programme for using technology in education."
- "I feel that technology is very important. However with no typing skills I feel it would be difficult for an "older adult" student to effectively master a computer in a given period of time."
- "I feel strongly towards technology in the classroom because it is an excellent way of introducing technology in the classroom at a grassroots level."
- "If students learn through computer they will be more motivated and self directed in their learning and able to learn more."
- "The more technology students are exposed to in the classroom, the less formidable these electronic gadget will seem to them in the workplace. In my classroom, most of the students have not been exposed to computers. They are even nervous with our typewriter!"
- "Literacy means reading, writing and math skill that we need for our everyday life. With the increasing use of computer technology in day-to-day working and employment we are now depriving our adults learners what the public school system has been providing to school children. Without computer training you will be left behind and with education that is at least a decade behind. My view is simple: Teaching and education are

synonymous."

- "Technology in education I believe to be the number one tool to prepare students for their future."
- "In our classroom an introduction to the computer would be to the advantage of our students. An introduction could include basically how to use but most important of all how in the course of their own lives it could be used. Perhaps for a specific job also for personal use."
- "Technology in education is powerful resource that can motivate students in the learning process. It can provide information to students who generally do not have access to it As well as provide an evaluation tool for educators."
- "I think it is great if you have the money. However, I am concern that the reading level of our students is so low, not to mention their numeric skills. I think we need to concentrate on what is needed to raise the literacy level of our students."
- "Adults involved in upgrading programs need to be given all the same technological experiences as students in the school system. Adults are dedicated to their education and therefore deserve to be granted this privilege."
- "Each day brings the hand of education and the hand of technology closer together. Soon these hands will clasp and education as our students have known it will be little more than an historical reference."
- "Computer literacy is an important part of functional literacy in Canada today. The CASP classroom can provide a relaxed atmosphere for learning computer skills as well as for learning the traditional subjects."
- "Technology had far exceeded the age of automation as visualized and experienced in our most recent past, and now that the futuristic notion of business dependence has been realized, we as the guardians of educational relevancy and excellent must also be the agents of change."
- "I think computers are a big step forward and put access to vast areas of data at a student's fingertips. In today's schools they should be an ongoing avenue of exercise; but in literacy with adults returning for educational needs, they can be, at best, only a supplementary aid because the software for literacy needs may not always be adaptable to our classes, or even available at prices we can afford."
- "The use is two fold:
 1. It is another medium for delivering education.
 2. It will familiarize students with new technology and increase their job prospect."

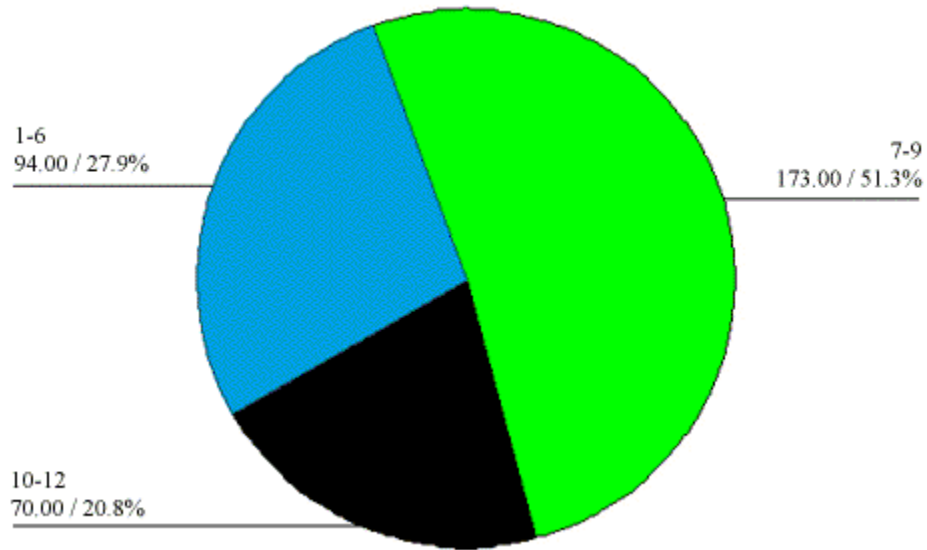
Technology and Literacy Survey (Anglophones Educators)

Comments

- "Before computers can be successfully integrated into classrooms, there must be some agreement on the part of the "monguls" of the job market how much and what it is they need employees to know and how much of the "work" technology will do. Do workers in banks and other financial institutions have to know how to calculate percentages for interest? I feel that we are asking adult upgraders, and public school students, for the matter, to jump through hoops that are, and are fast becoming obsolete."
- "We need computer in each classroom. We need printers for each so each student can see on paper what they have accomplished. We need up to date programs and instructions in a simple straight forward way. User friendly."
- "Having only one computer (386), technology such as E-mail and Internet are beyond the scope of our abilities. Before accessing these newest developments, I would prefer to acquire enough keyboards to teach the students some computer basic before introducing them to advanced software or programs. I see a need for basic typing or keyboarding skills as well as an "intro to computers" course for my students. Then, programs like basic math, geography, or language arts skills would be most helpful as supplements to learning packets and class texts."
- "I find that as a tutor teaching one on one, the computer is very destructive, because of the many students trying to use one computer. I would prefer a separate classroom with enough computers to satisfy their needs. That way I can teach phonics without and distractions, as my students are very easily distracted."
- "I feel we are doing a disservice to our adult learners by not incorporating computers use in their education. We received a "286" in October '95. I have found disk for games and word processing. The students are so enthusiastic that they set up a schedule to have time at it. Imagine if we had a 486."
- "I would dearly love to have computer technology in my classroom. Many of my students are interested in learning how to use computers. We do have a 286 but this machine, which lacks a hard drive, is too limited."
- "I fully agree that a computer in the classroom provides a multitude of exciting new experiences and opportunities. Most sites cannot afford this and some sponsors may not contribute more monies to purchase all equipment needed. I feel that Literacy New Brunswick should incorporate the cost of a computer set-up in the classroom with the funding they now provide, and access to software."

Technology and Literacy Survey (Anglophones Learners)

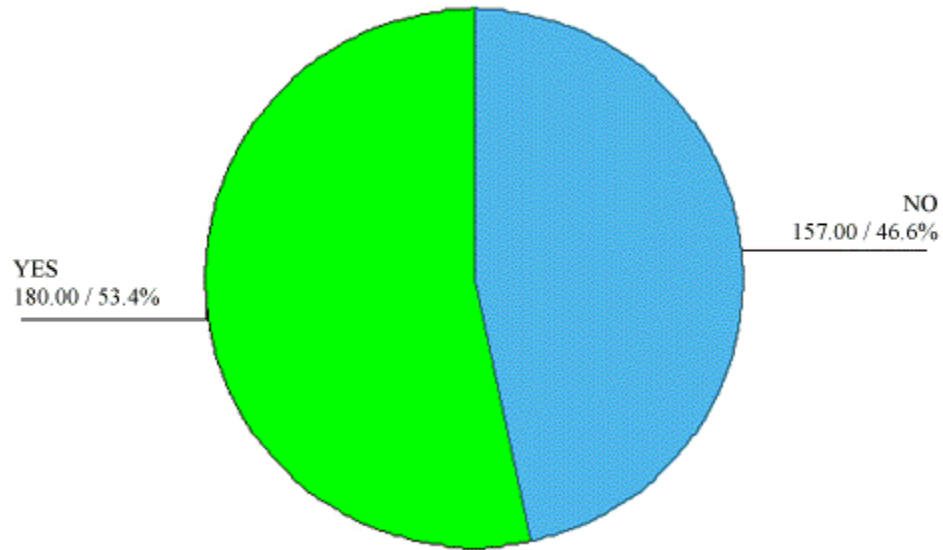
Level of Education



- 27.9% or 94 out of 337 are in the level 1-6.
- 51.3% or 173 out of 337 are in the level 7-9.
- 20.8% or 70 out of 337 are in the level 10-12.

Technology and Literacy Survey (Anglophones Learners)

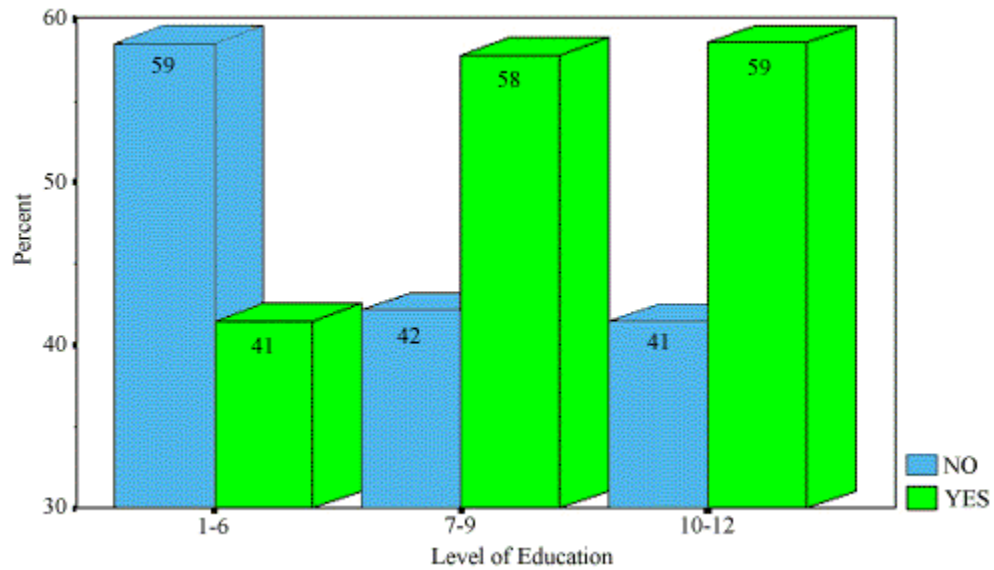
Have you used a computer?



- 53.4% or 180 learners indicated that they have used computers.
- 46.6% or 157 learners indicated that they have not used computers.

Technology and Literacy Survey (Anglophones Learners)

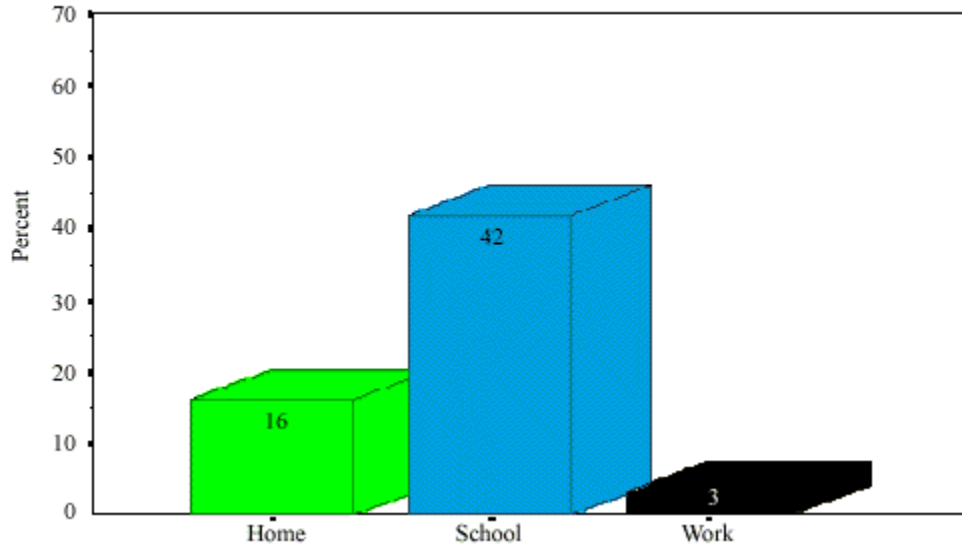
Use of computers by the level of education.



- 59% of the 94 learners in level 1-6 have not used computers.
- 41% of the 94 learners in level 1-6 have used computers.
- 42% of the 173 learners in level 7-9 have not used computers.
- 58% of the 173 learners in level 7-9 have used computers.
- 41% of the 70 learners in level 10-12 have not used computers.
- 59% of the 70 learners in level 10-12 have used computers.

Technology and Literacy Survey (Anglophones Learners)

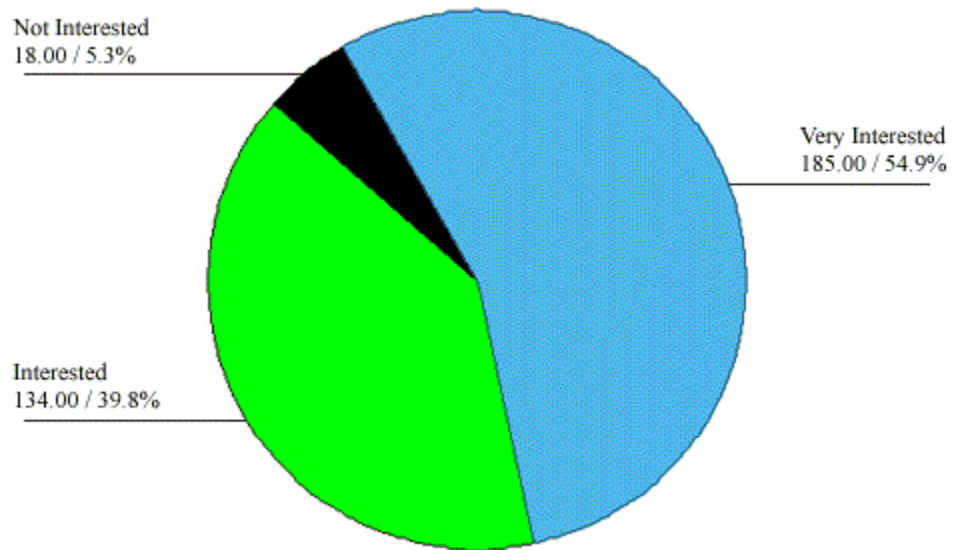
Location where computers were used.



- 16% or 54 learners indicated that they used a computer at home.
- 42% or 143 learners indicated that they used a computer at school.
- 3% or 11 learners indicated that they used a computer at work.

Technology and Literacy Survey (Anglophones Learners)

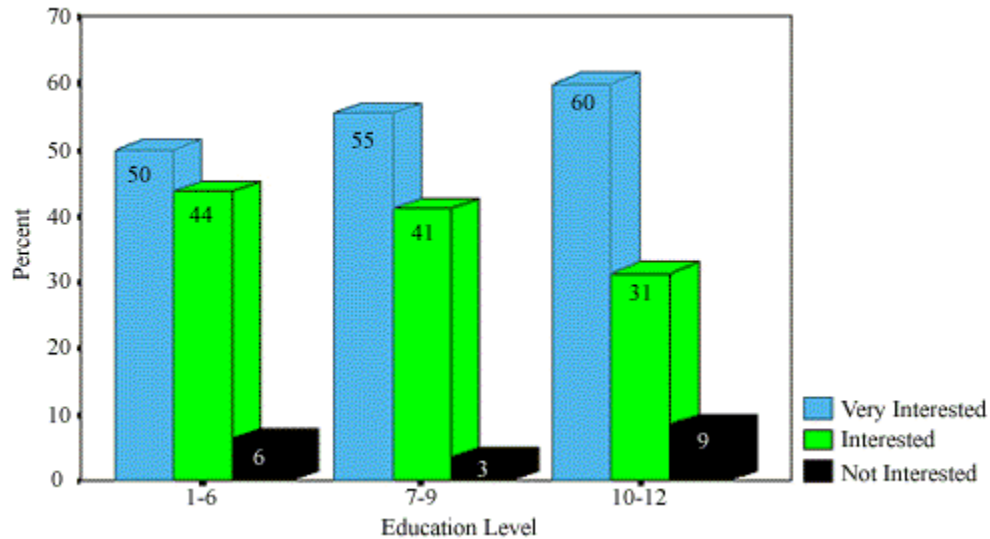
How interested are you in learning about new technologies, such as Internet and E-mail?



- 54.9% or 185 learners are very interested.
- 39.8% or 134 learners are interested.
- 5.3% or 18 learners are not interested.

Technology and Literacy Survey (Anglophones Learners)

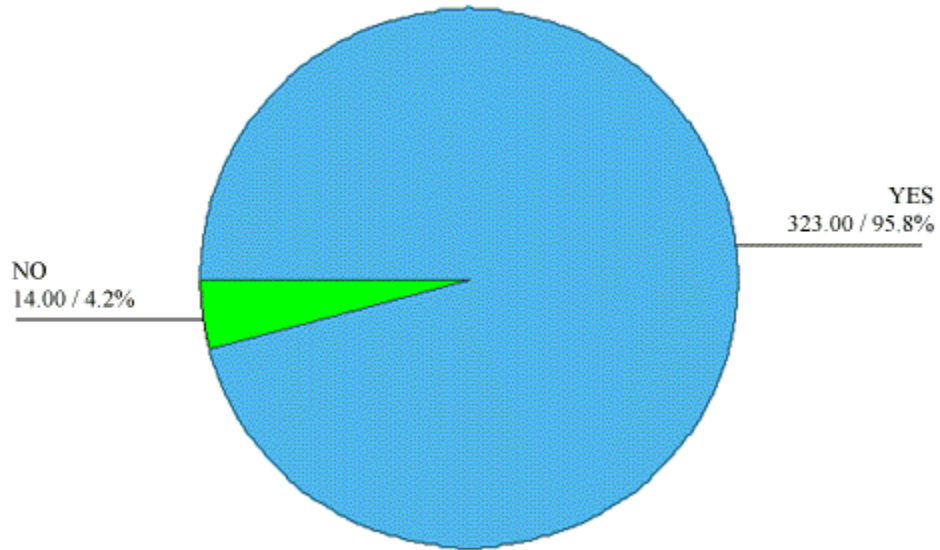
How interested are you in learning about new technology? (*by the level of education*)



- 50% of the 94 learners in level 1-6 are very interested.
- 44% of the 94 learners in level 1-6 are interested.
- 6% of the 94 learners in level 1-6 are not interested.
- 55% of the 173 learners in level 7-9 are very interested.
- 41% of the 173 learners in level 7-9 are interested.
- 3% of the 173 learners in level 7-9 are not interested.
- 60% of the 70 learners in level 10-12 are very interested.
- 31% of the 70 learners in level 10-12 are interested.
- 9% of the 70 learners in level 10-12 are not interested.

Technology and Literacy Survey (Anglophones Learners)

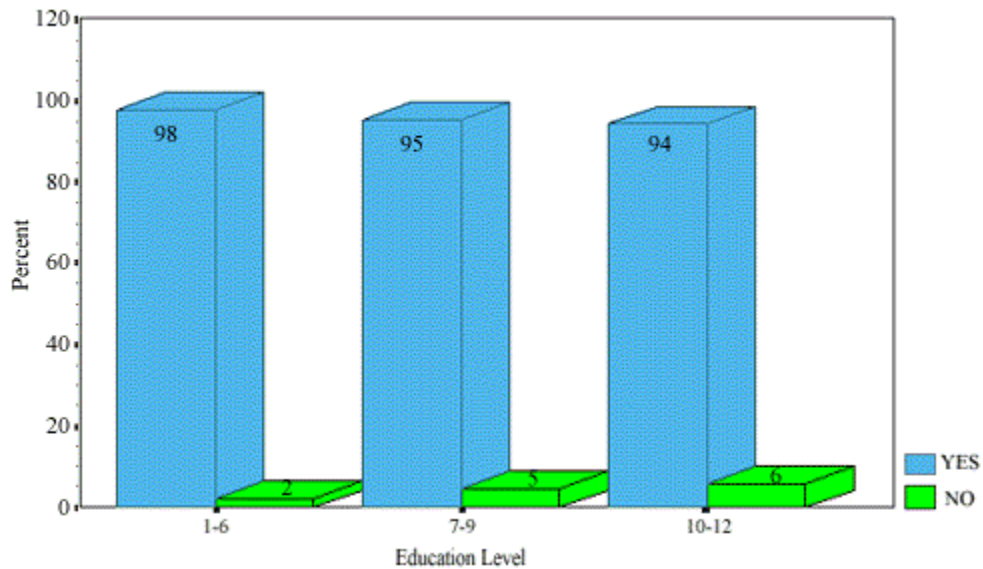
Do you or would you feel comfortable using a computer in your classroom?



- 95.8% or 323 learners indicated that yes they would feel comfortable using a computer in their classroom.
- 4.2% or 14 learners indicated that they would not feel comfortable using a computer in their classroom.

Technology and Literacy Survey (Anglophones Learners)

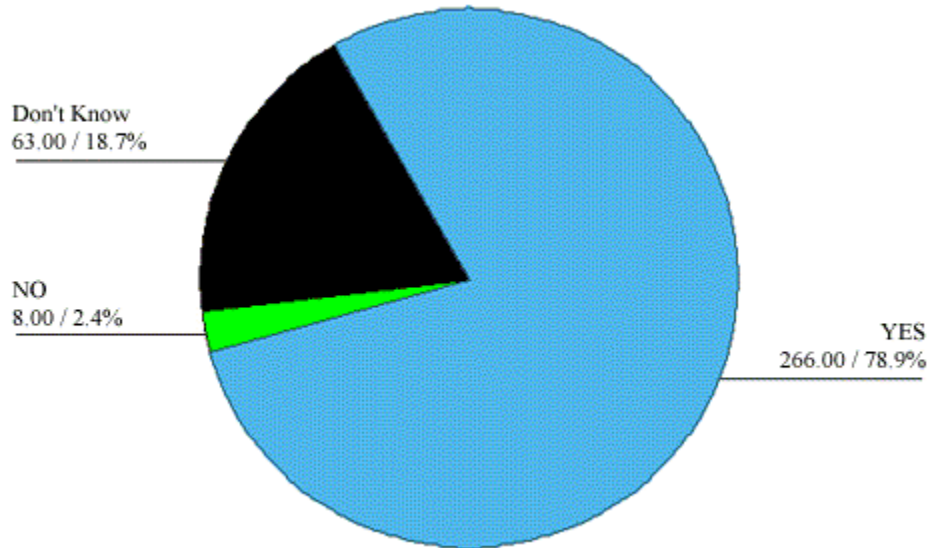
Do you feel comfortable using a computer in your classroom? (by level of education)



- 98% of the 94 learners in level 1-6 are comfortable using a computer in the classroom.
- 2% of the 94 learners in level 1-6 are not comfortable using a computer in the classroom.
- 95% of the 173 learners in level 7-9 are comfortable using a computer in the classroom.
- 5% of the 173 learners in level 7-9 are not comfortable using a computer in the classroom.
- 94% of the 70 learners in level 10-12 are comfortable using a computer in the classroom.
- 6% of the 70 learners in level 10-12 are not comfortable using a computer in the classroom.

Technology and Literacy Survey (Anglophones Learners)

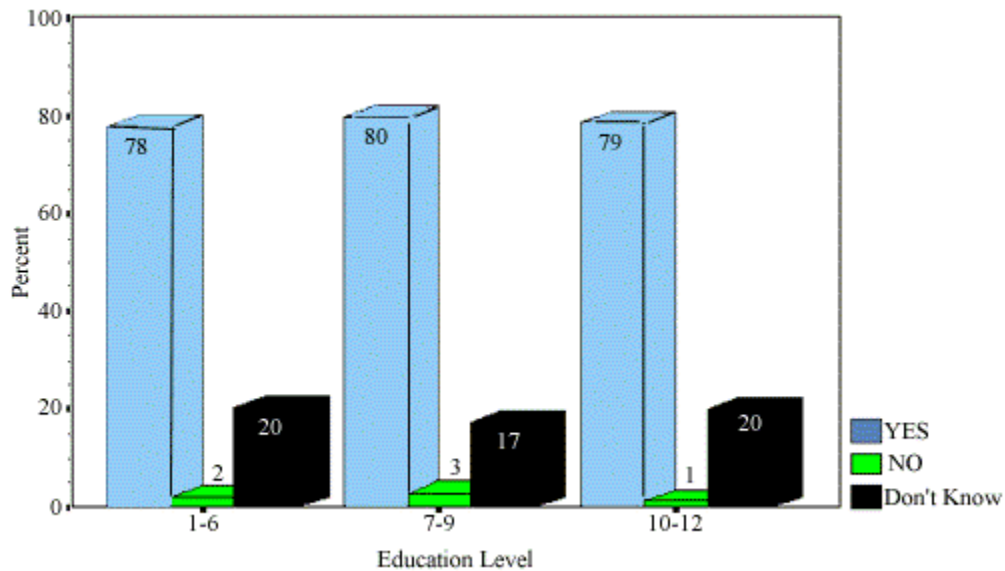
Do you think that using a computer can help you improve your reading, writing and math?



- 78.9% or 266 learners indicated yes it would help.
- 2.4% or 8 learners indicated no it would not help.
- 18.7% or 63 learners indicated the they don't know if it would help.

Technology and Literacy Survey (Anglophones Learners)

Do you think that using a computer can help you improve your reading, writing and math? (by level of education)



- 78% of the learners in the level 1-6 indicated that it would help them.
- 2% of the learners in the level 1-6 indicated that it would not help them.
- 20% of the learners in the level 1-6 indicated that they do not know if it would help them.
- 80% of the learners in the level 7-9 indicated that it would help them.
- 3% of the learners in the level 7-9 indicated that it would not help them.
- 17% of the learners in the level 7-9 indicated that they do not know if it would help them.
- 79% of the learners in the level 10-12 indicated that it would help them.
- 1% of the learners in the level 10-12 indicated that it would not help them.
- 20% of the learners in the level 10-12 indicated that they do not know if it would help them.

Technology and Literacy Survey (Anglophones Learners)

How will learning more about computers help you now and in the future?

- "Help find a better job in the workplace, more competitive in the job market."
- "In the future most of the work is going to be done by computers."
- "All you hear in the papers and on T.V. is computers, computers, computers!"
- "I don't like computers and really have no desire to use one."
- "With the advancement of the computer age, it's at the point where you have to learn computers yourself."
- "Helps you to think, read, write, learn, spell, and extra trade."
- "If I knew how to operate one, I would buy one to help with taxes and I would use it on the farm inventory."

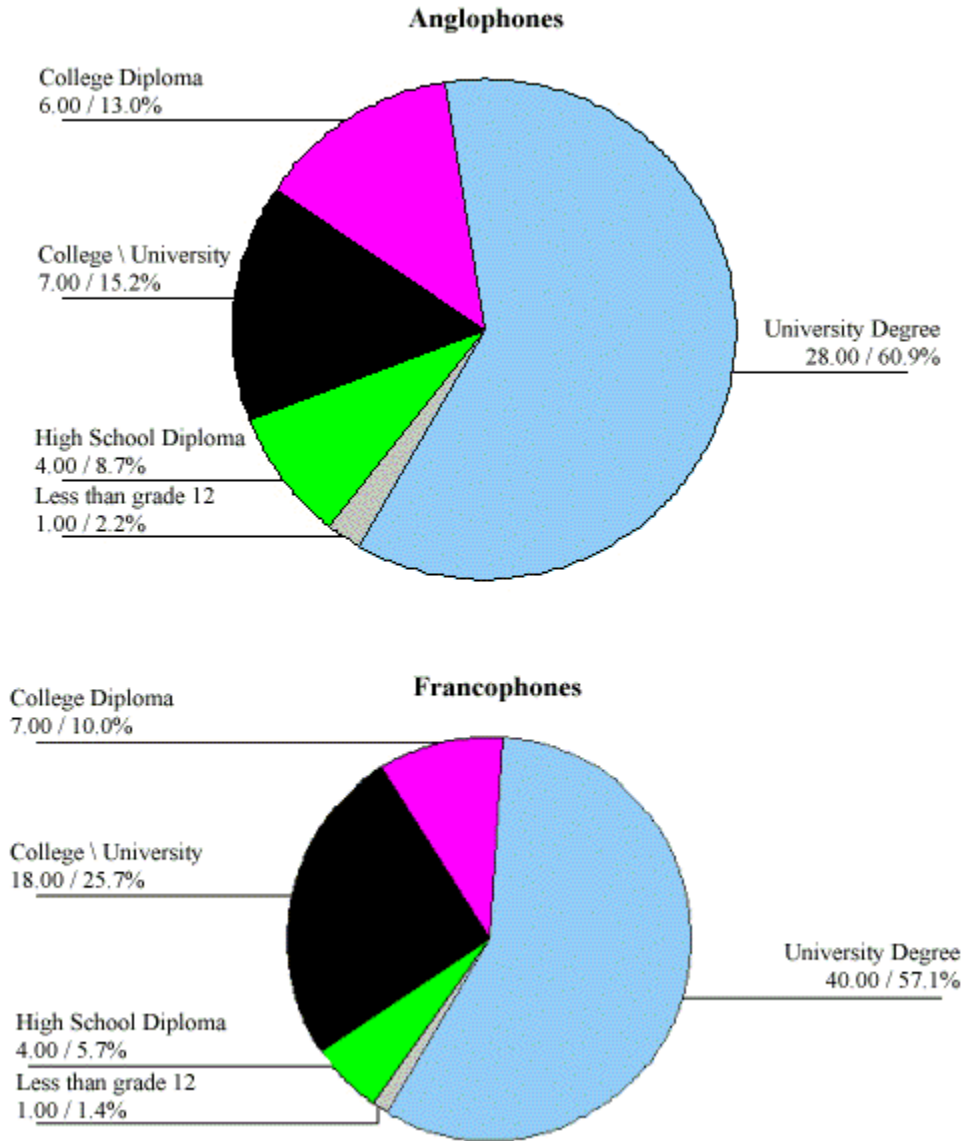
Technology and Literacy Survey (Anglophones Learners)

Comments

- "I don't believe in computers. They ruin this country. They took all these jobs away from us."
- "Would like more computers in the classroom, so everybody can get a chance to use one."
- "There should be more computer education to further secure from job lose."
- "I started in the CASP program in July 1995. I have learn a lot more about computers than I knew before. I hope to be able to keep working on the computer as much as I can. I find computers are a good way of learning things such as writing properly, punctuation. It also teaches you how to use the keyboard."
- "I think that all schools and programs should have one for those who wish to learn can, because some day they will have to use one."
- "I never used a computer and if we had one for our classroom I think it would be great. We could learn to use it at our own speed, and if we have trouble with one of our lessons then we could have the computer help us. I think that every learning class should have a computer to help the learners."
- "We should use computers in the classroom as part of our training for future jobs. That is what there getting us prepared for."
- "The quicker I am introduced to the E-mail and the Internet the more of an asset I will become to any company or business atmosphere."

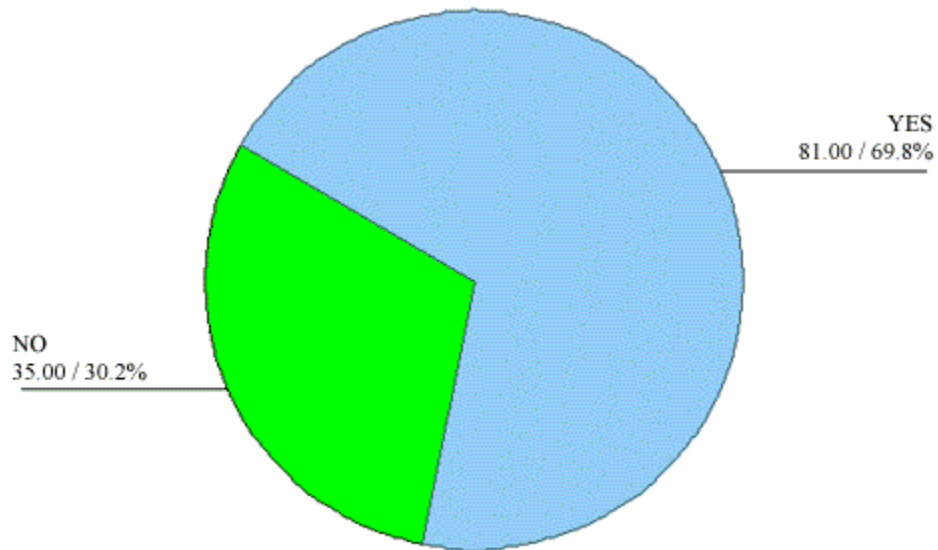
Technology and Literacy Survey (Educators) - Provincial Report

Education level of educators. *(by linguistic group)*



Technology and Literacy Survey (Educators) - Provincial Report

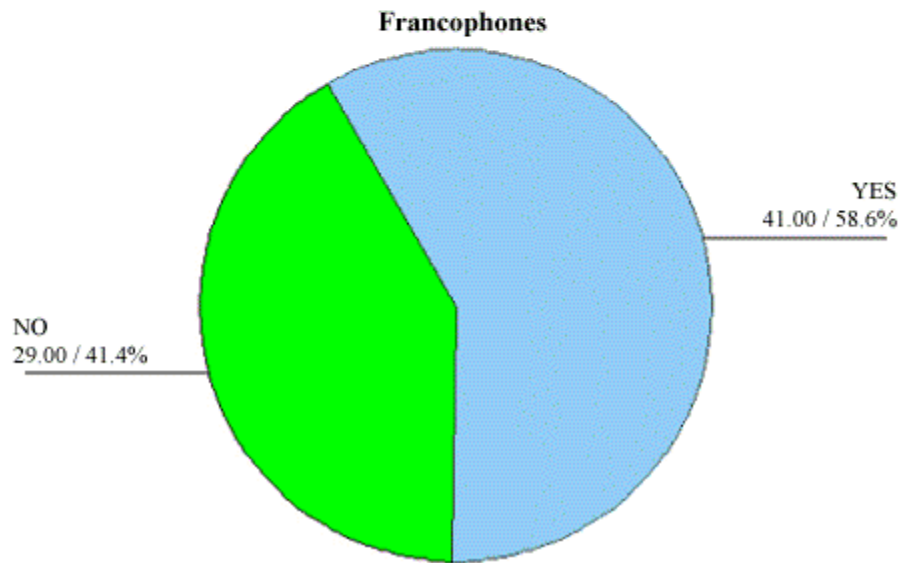
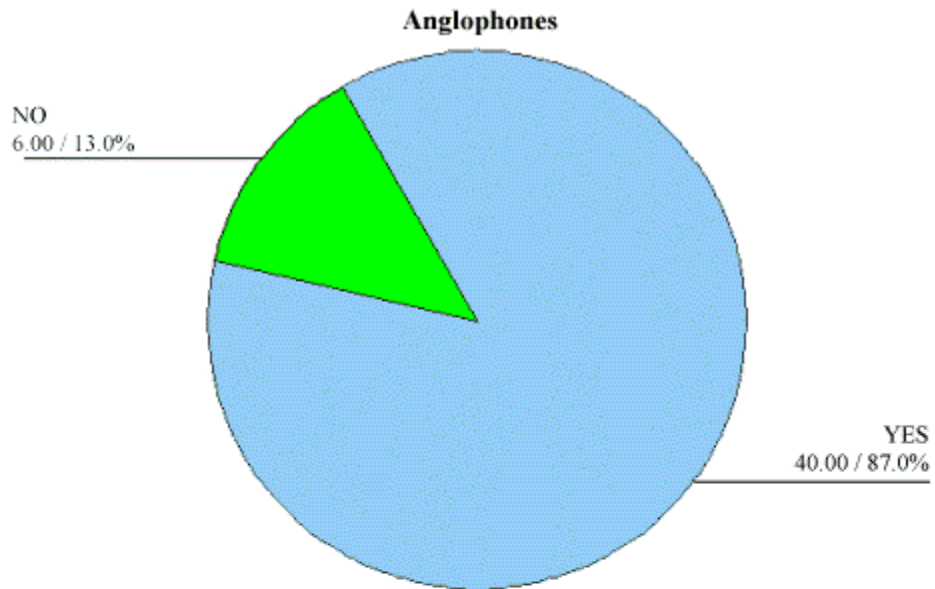
Experience using computers



- 69.8% or 81 educators indicated that they had some computer experience.
- 30.2% or 35 educators indicated that they had no computer experience.

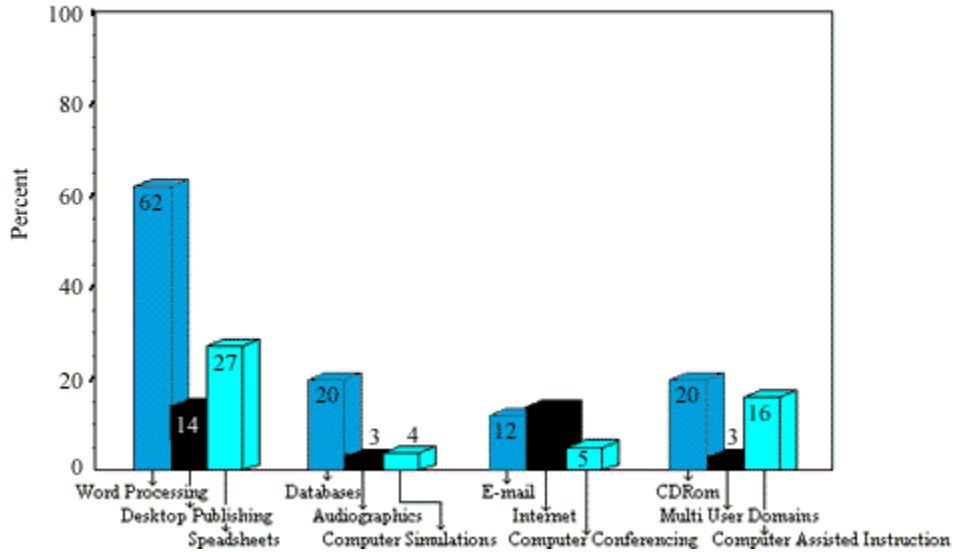
Technology and Literacy Survey (Educators) - Provincial Report

Experience using computers (*by linguistic group*)



Technology and Literacy Survey (Educators) - Provincial Report

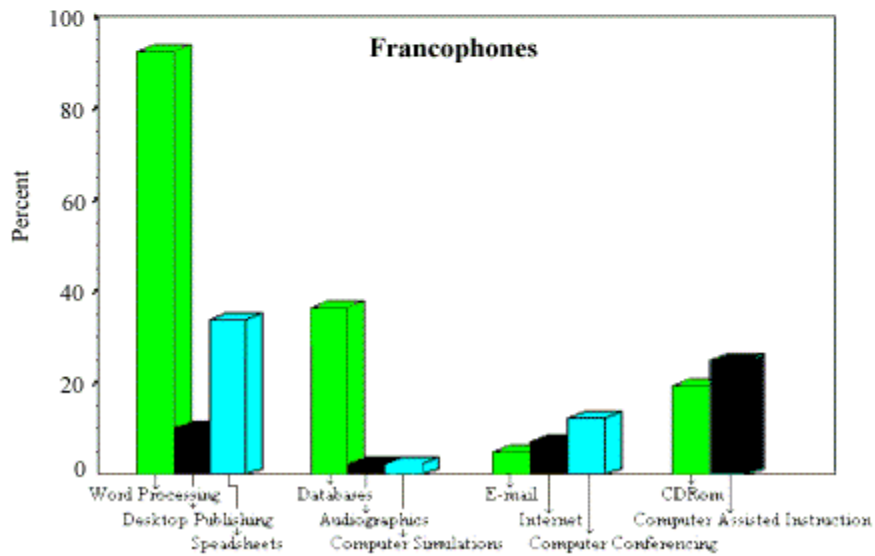
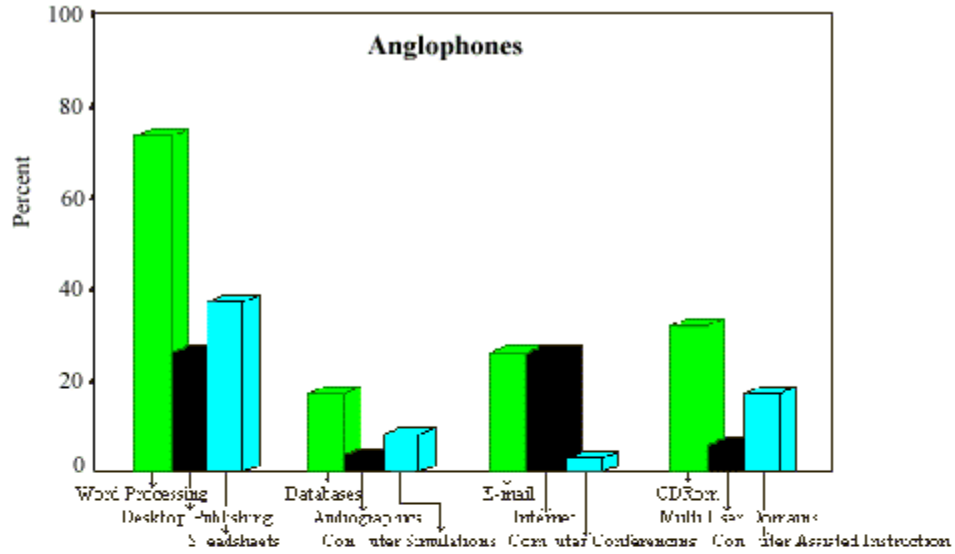
Computer programs educators have used.



- 62% or 72 educators out of 116 Word Processing.
- 14% or 16 educators out of 116 Desktop Publishing.
- 27% or 31 educators out of 116 Spreadsheets.
- 20% or 23 educators out of 116 Databases.
- 3% or 3 educators out of 116 Audiographics.
- 4% or 5 educators out of 116 Computer Simulations.
- 12% or 14 educators out of 116 E-mail.
- 13% or 15 educators out of 116 Internet.
- 5% or 6 educators out of 116 Computer Conferencing.
- 20% or 23 educators out of 116 CDROM.
- 3% or 3 educators out of 116 Multi User Domains.
- 16% or 18 educators out of 116 Computer Assisted Instruction.

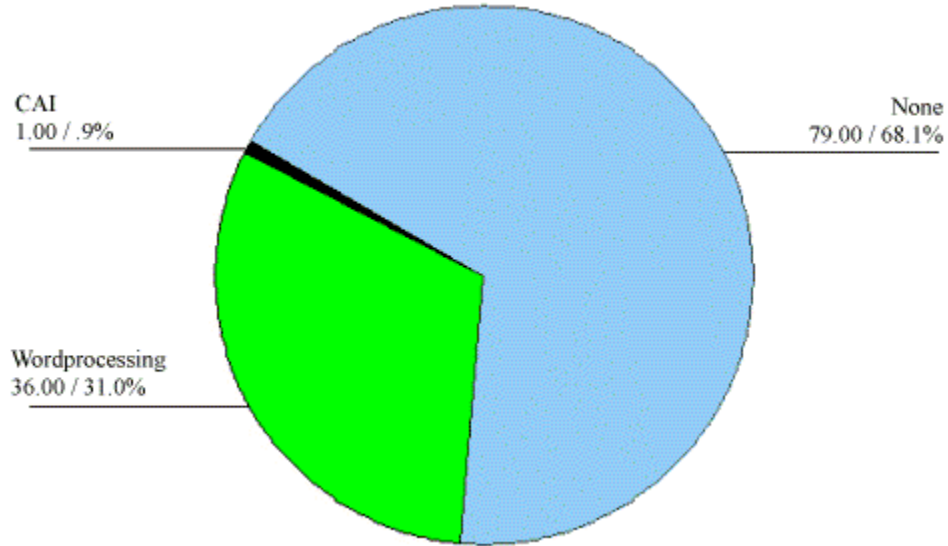
Technology and Literacy Survey (Educators) - Provincial Report

Computer programs educators have used. (by linguistic group)



Technology and Literacy Survey (Educators) - Provincial Report

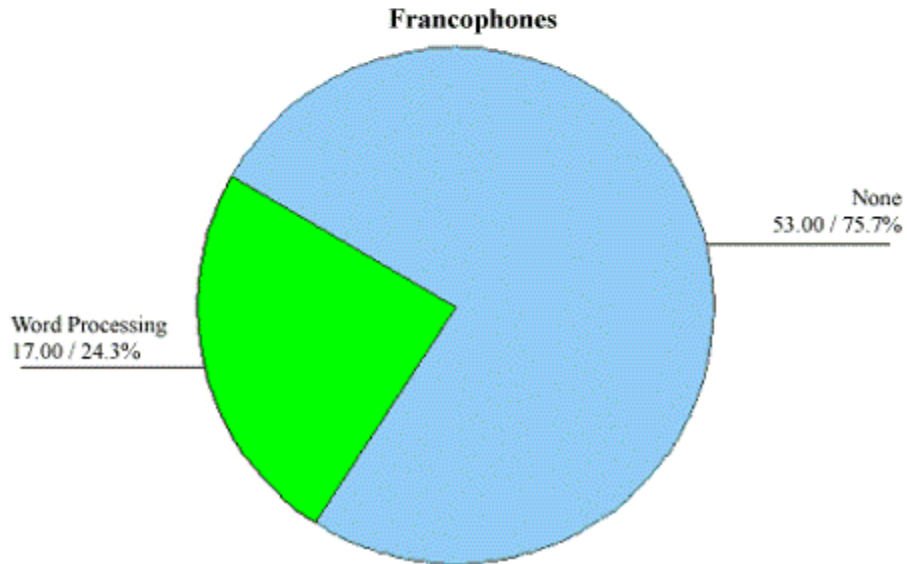
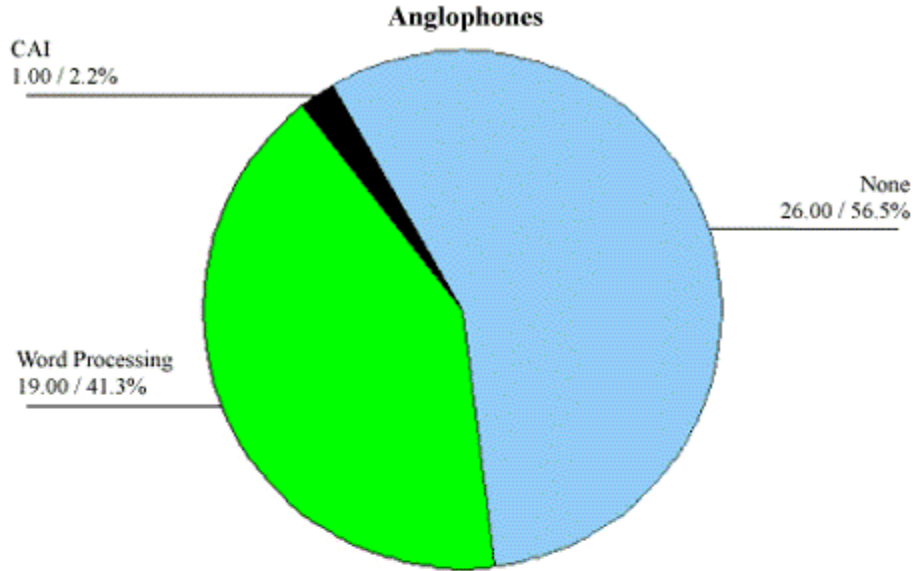
Which computer programs have you used in academic training?



- 68.1% or 79 educators have not used any in their academic upgrading program.
- 31.0% or 36 educators have used Word Processing in their academic upgrading program.
- 0.9% or 1 educator used Computer Assisted Instruction (CAI) in their academic upgrading program.

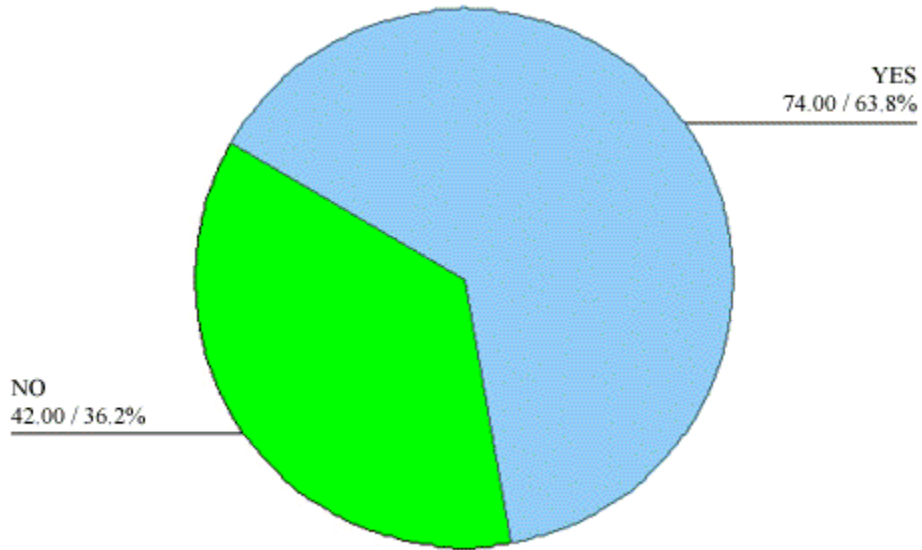
Technology and Literacy Survey (Educators) - Provincial Report

Which computer programs have you used in academic training? (*by linguistic group*)



Technology and Literacy Survey (Educators) - Provincial Report

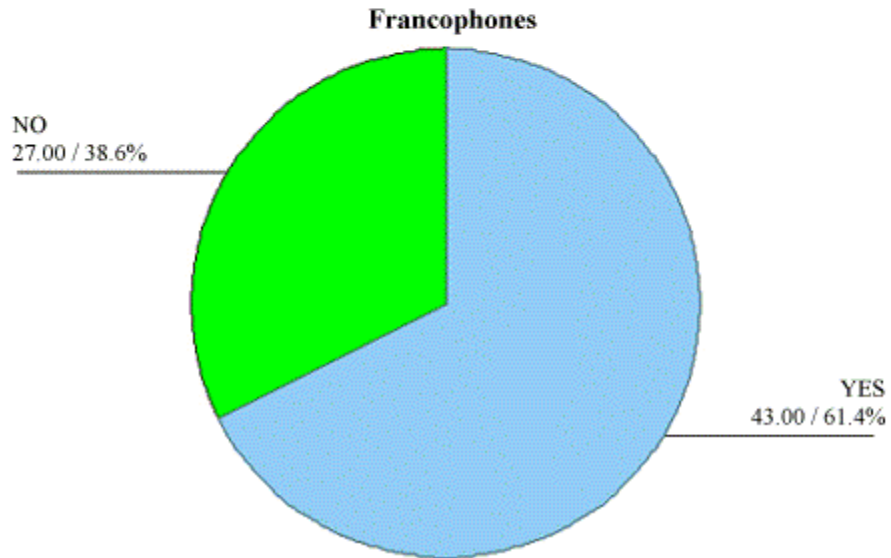
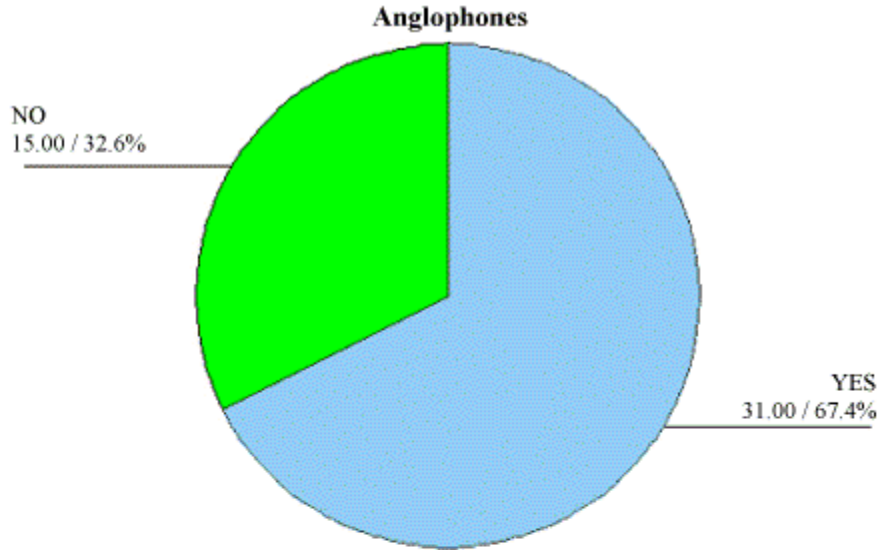
Have you completed any computer training workshops or courses?



- 63.8% or 74 educators answered yes that they had completed computer training.
- 36.2% or 42 educators answered no that they have not completed any computer training.

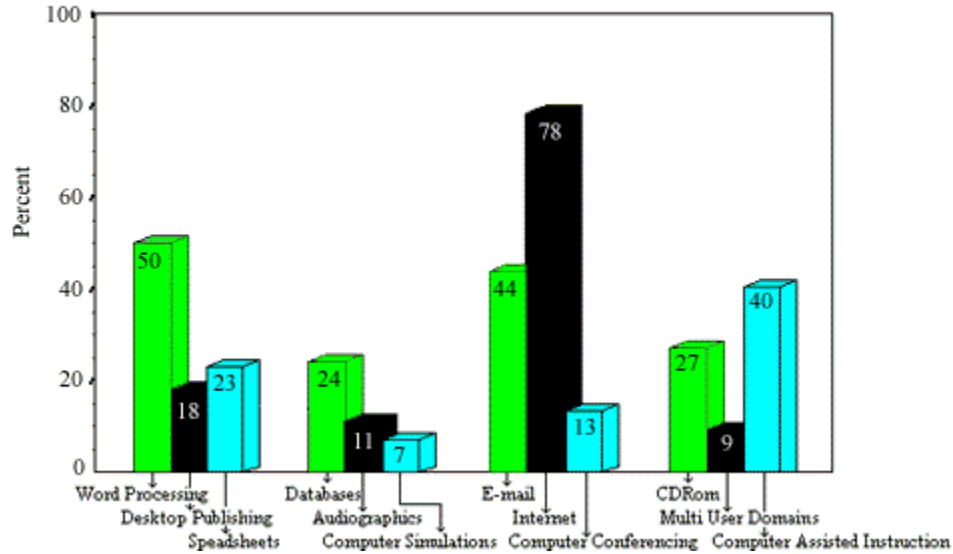
Technology and Literacy Survey (Educators) - Provincial Report

Have you completed any computer training workshops or courses? (*by linguistic group*)



Technology and Literacy Survey (Educators) - Provincial Report

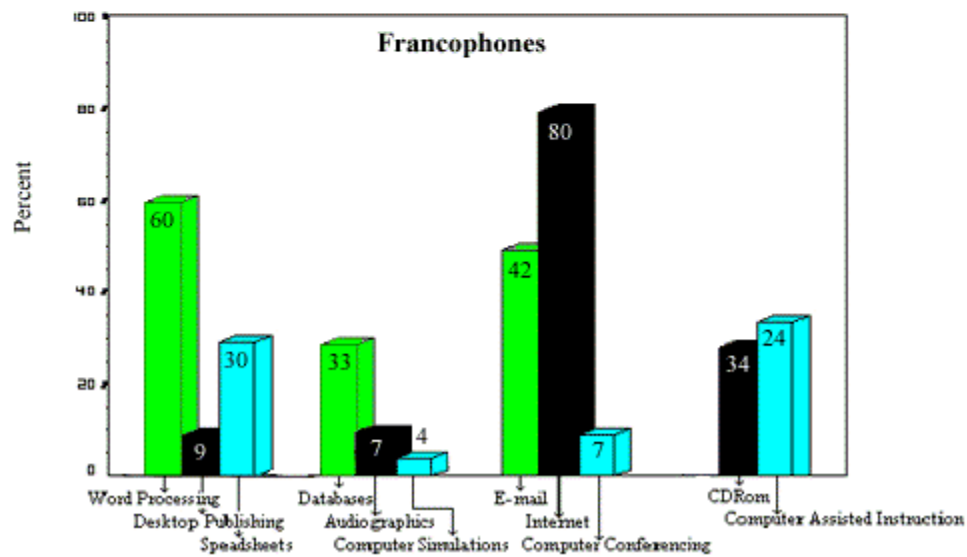
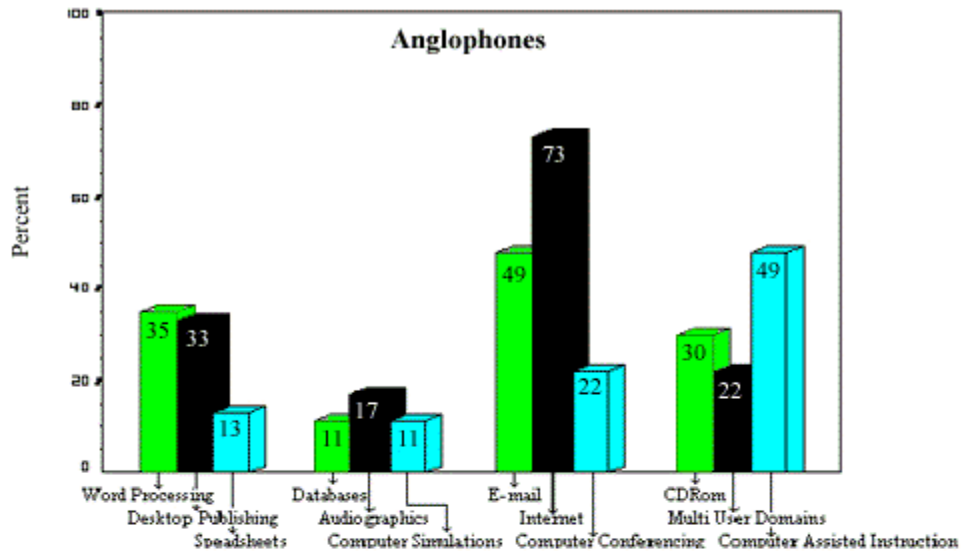
Identify workshops that you would like to attend.



- 50% or 58 educators out of 116 Word Processing.
- 18% or 21 educators out of 116 Desktop Publishing.
- 23% or 27 educators out of 116 Spreadsheets.
- 24% or 28 educators out of 116 Databases.
- 11% or 13 educators out of 116 Audiographics.
- 7% or 8 educators out of 116 Computer Simulations.
- 44% or 51 educators out of 116 E-mail.
- 78% or 90 educators out of 116 Internet.
- 13% or 15 educators out of 116 Computer Conferencing.
- 27% or 31 educators out of 116 CDROM.
- 9% or 10 educators out of 116 Multi User Domains.
- 40% or 46 educators out of 116 Computer Assisted Instruction.

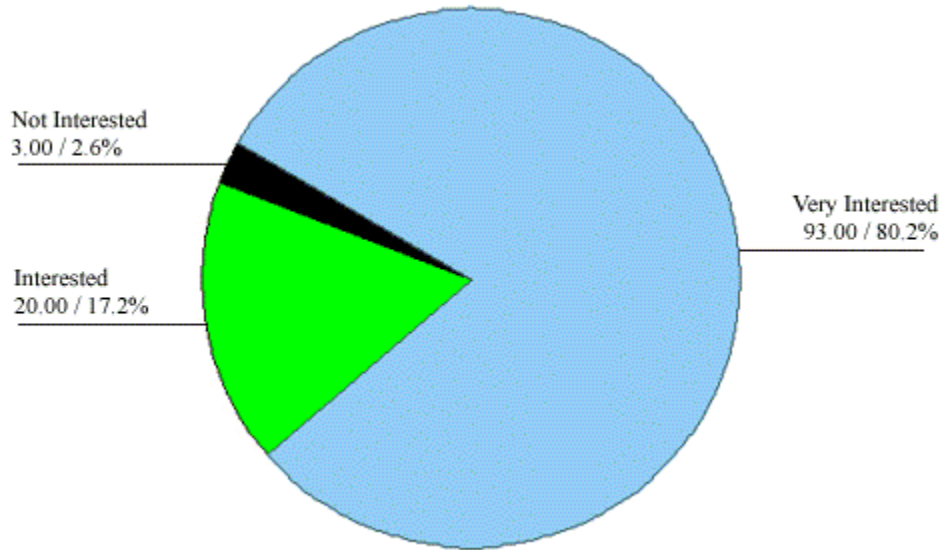
Technology and Literacy Survey (Educators) - Provincial Report

Identify workshops that you would like to attend.
(by linguistic group)



Technology and Literacy Survey (Educators) - Provincial Report

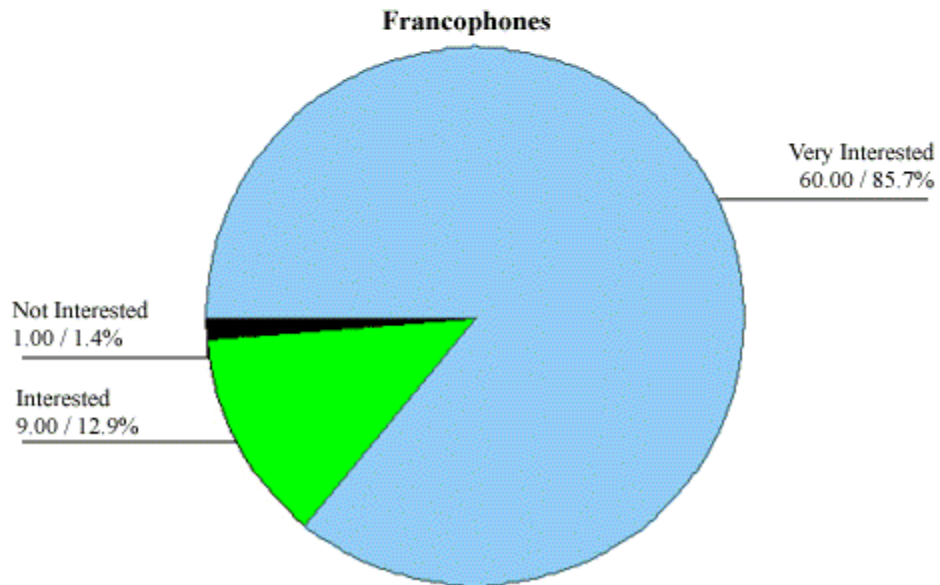
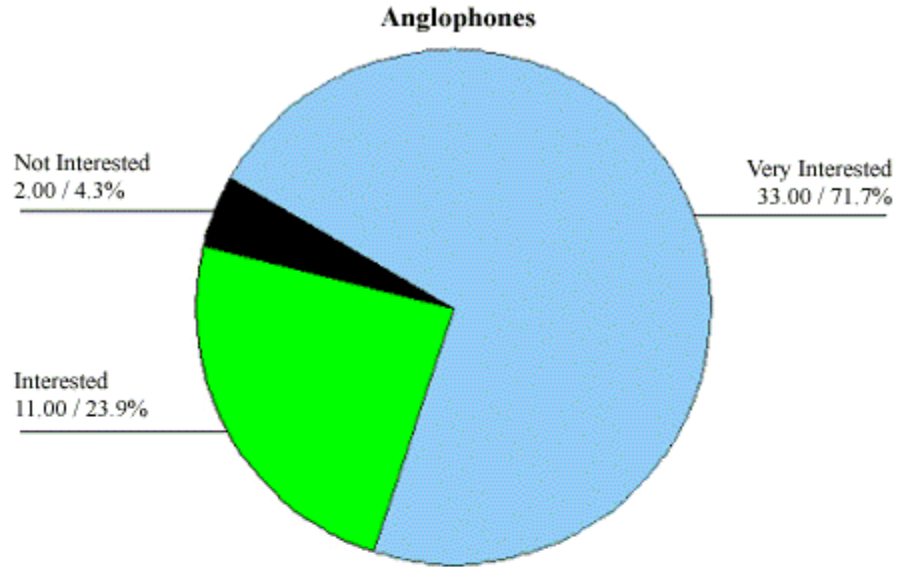
How interested are you in learning about new computer technologies?



- 80.2% or 93 educators are very interested in learning new computer technologies.
- 17.2% or 20 educators are interested in learning new computer technologies.
- 2.6% or 3 educators are not interested in learning new computer technologies.

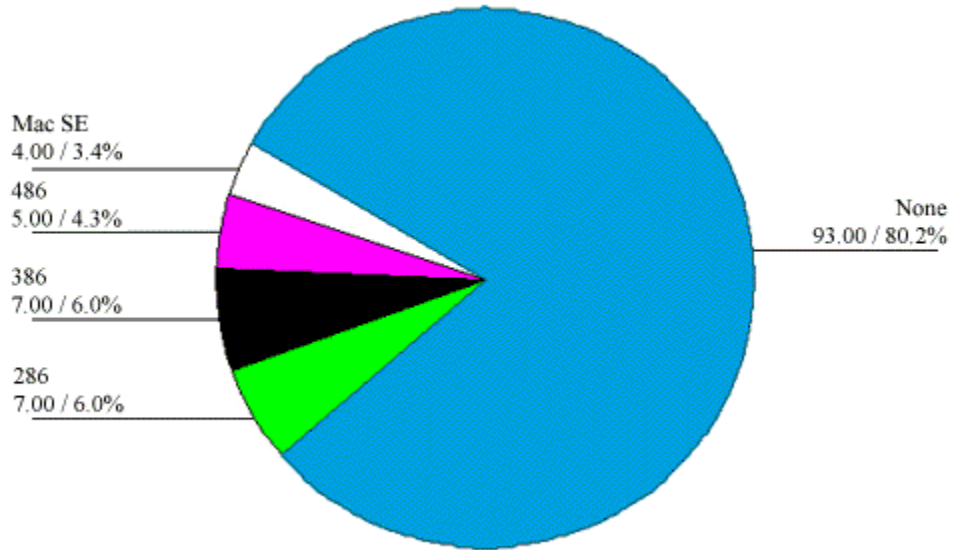
Technology and Literacy Survey (Educators) - Provincial Report

How interested are you in learning about new computer technologies? (*by linguistic group*)



Technology and Literacy Survey (Educators) - Provincial Report

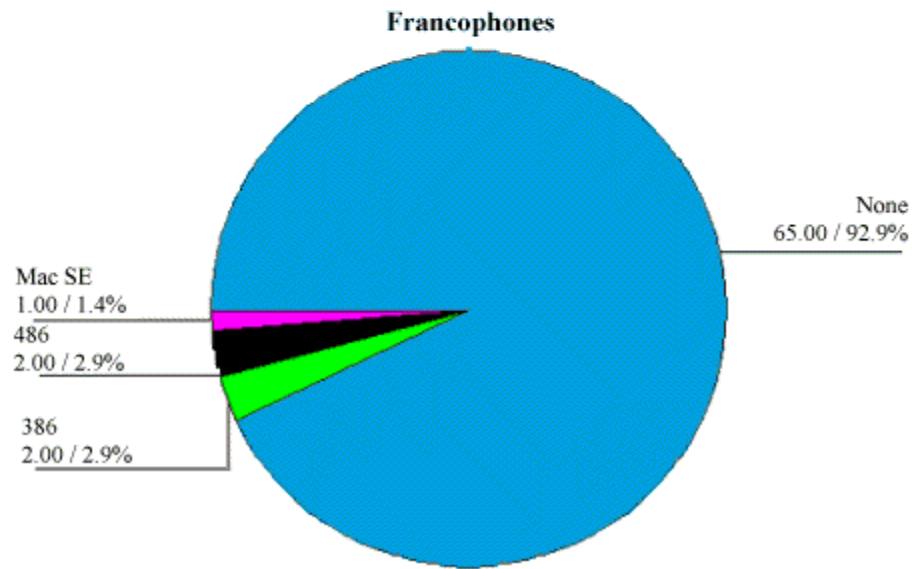
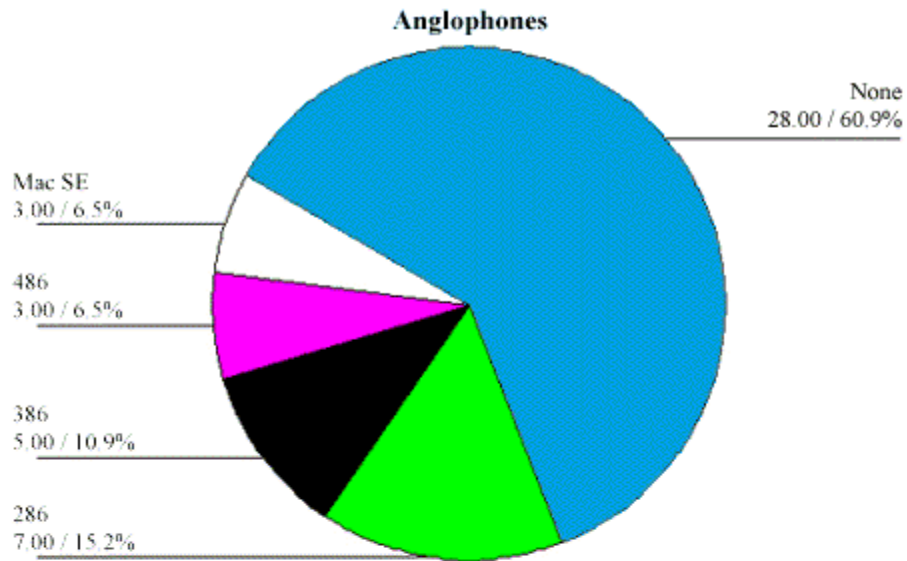
Do you have computers in your classroom?



- 3.4% or 4 educators have a Mac SE in their classroom.
- 6.0% or 7 educators have a 286 IBM or compatible in their classroom.
- 6.0% or 7 educators have a 386 IBM or compatible in their classroom.
- 4.3% or 5 educators have a 486 IBM or compatible in their classroom.
- 80.2% or 93 educators do not have a computer in their classroom.

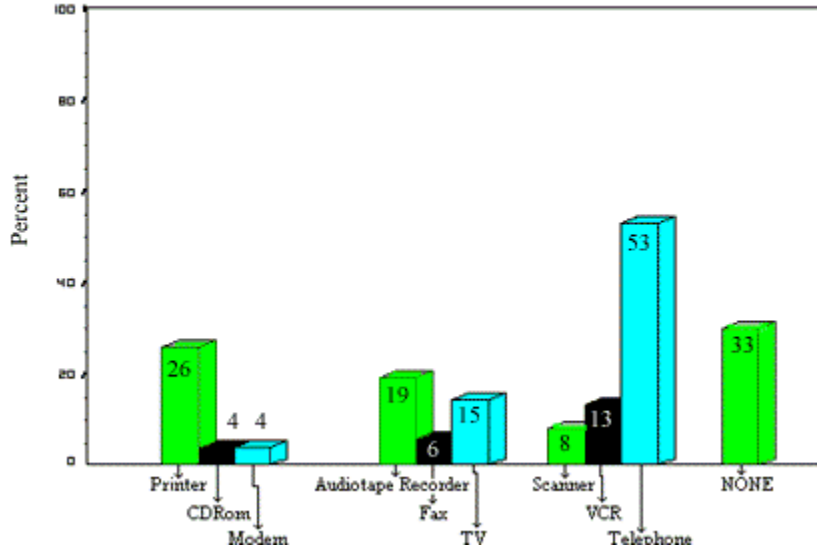
Technology and Literacy Survey (Educators) - Provincial Report

Do you have computers in your classroom? (by linguistic group)



Technology and Literacy Survey (Educators) - Provincial Report

What other technologies or computer hardware do you have in your classroom?

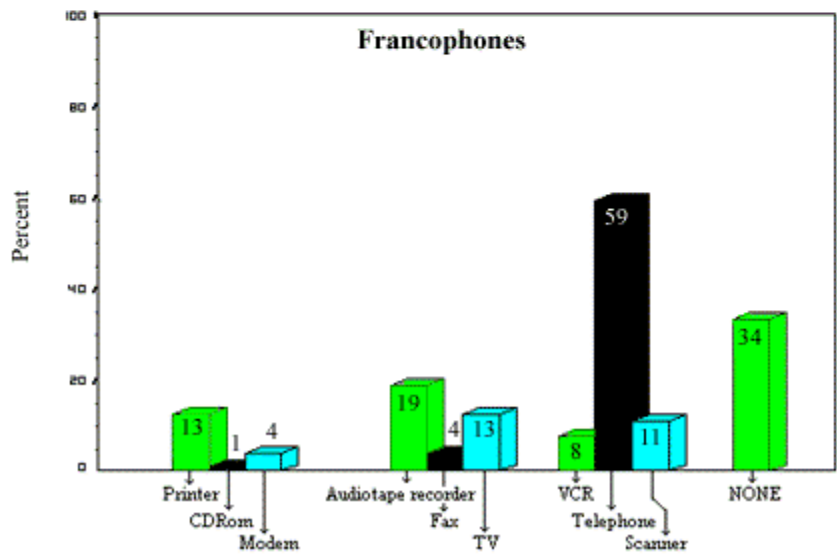
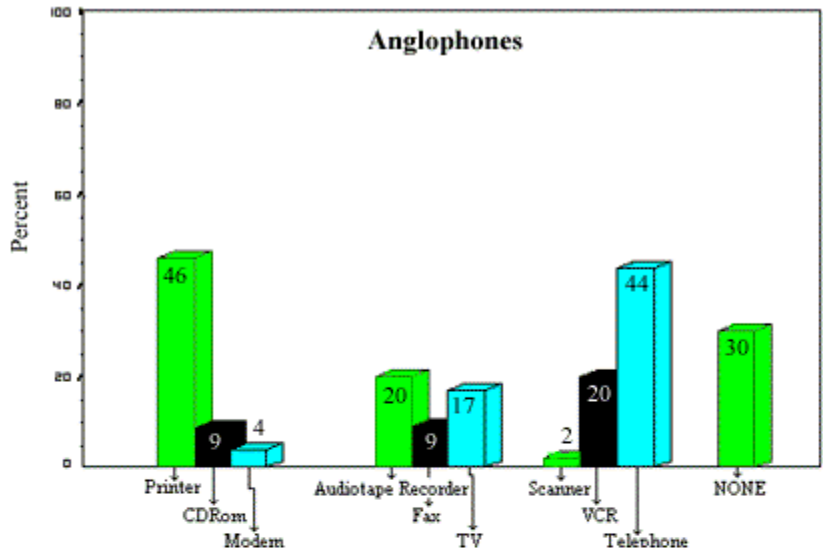


- 26% or 30 classes
- 4% or 5 classes
- 4% or 5 classes
- 19% or 22 classes
- 6% or 7 classes
- 15% or 17 classes
- 8% or 9 classes
- 13% or 15 classes
- 53% or 61 classes
- 33% or 38 classes

- Printer.
- CDROM.
- Modem.
- Audiotape Recorder.
- Fax.
- TV.
- Scanner.
- VCR.
- Telephone.
- NONE.

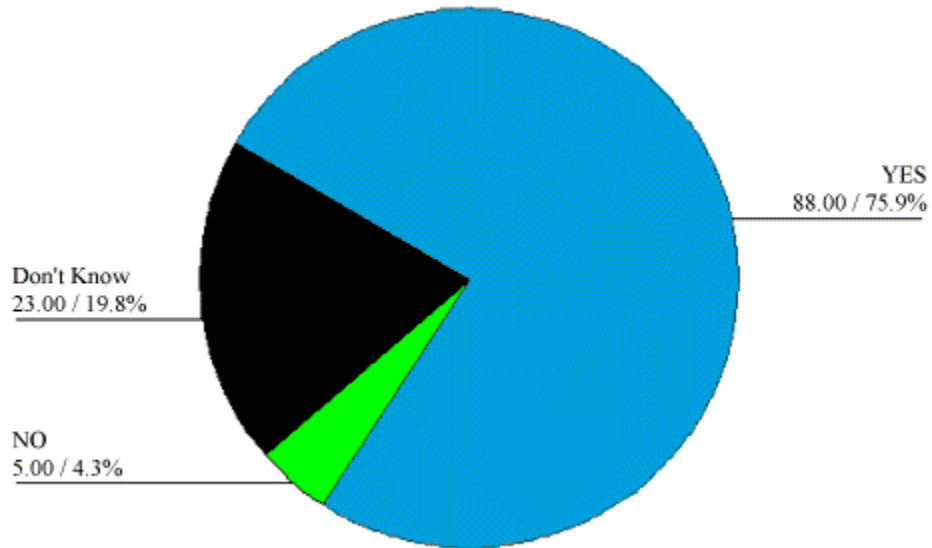
Technology and Literacy Survey (Educators) - Provincial Report

What other technologies or computer hardware do you have in your classroom?
(by linguistic group)



Technology and Literacy Survey (Educators) - Provincial Report

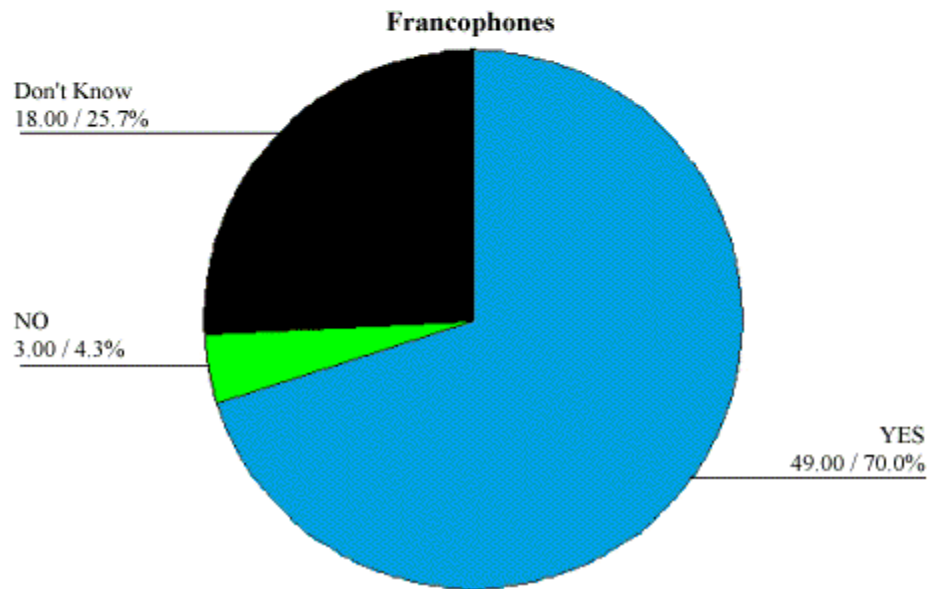
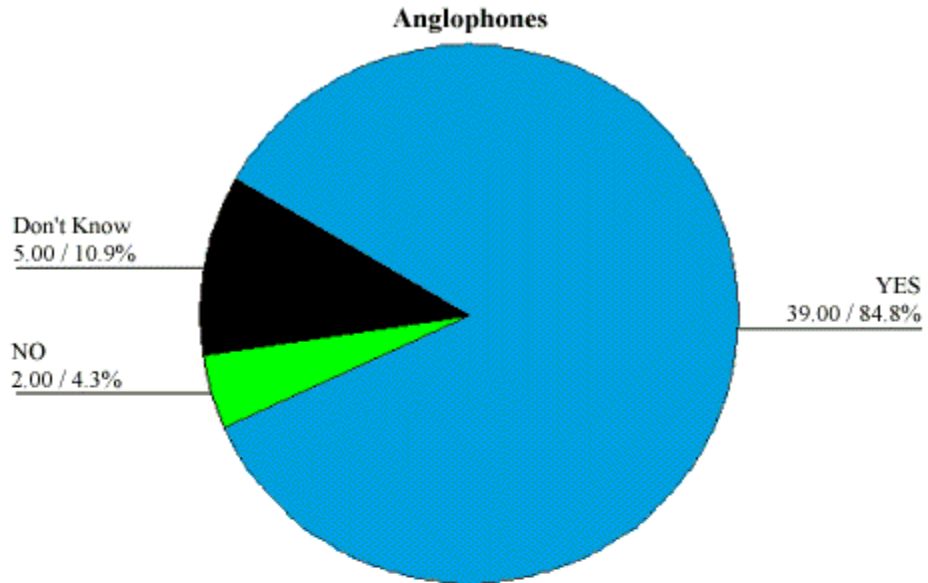
Do you think access to E-mail and Internet would be educationally beneficial to the learners in your program?



- 19.8% or 23 educators do not know if access to e-mail and the internet would be educationally beneficial to the learners.
- 4.3% or 5 educators do not think that access to e-mail and the internet would be educationally beneficial to the learners.
- 75.9% or 88 educators think that access to e-mail and the internet would be educationally beneficial to the learners.

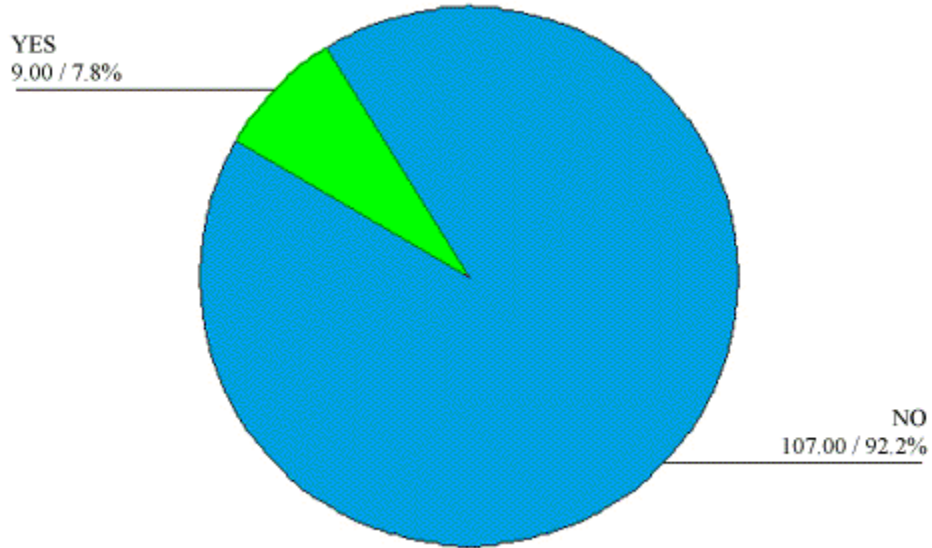
Technology and Literacy Survey (Educators) - Provincial Report

Do you think access to E-mail and Internet would be educationally beneficial to the learners in your program?
(by linguistic group)



Technology and Literacy Survey (Educators) - Provincial Report

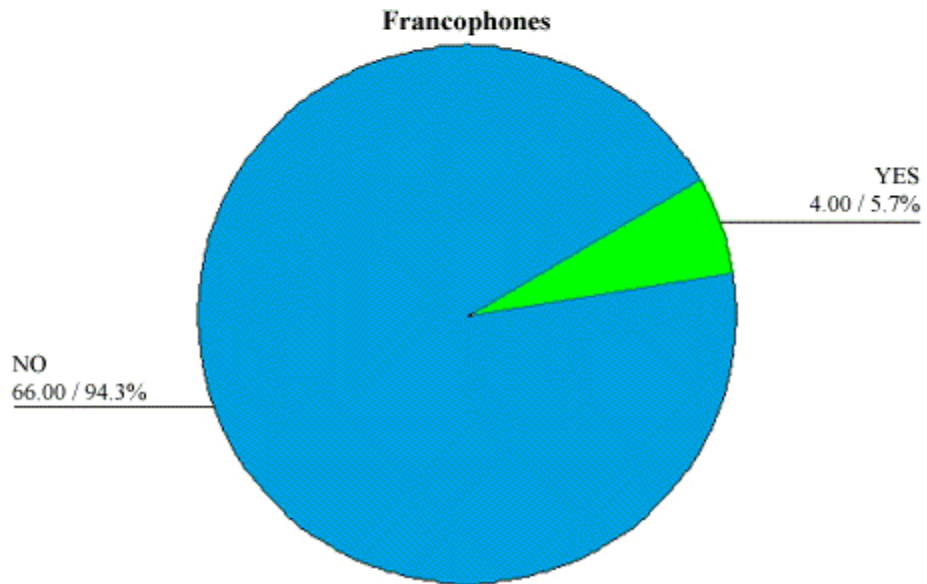
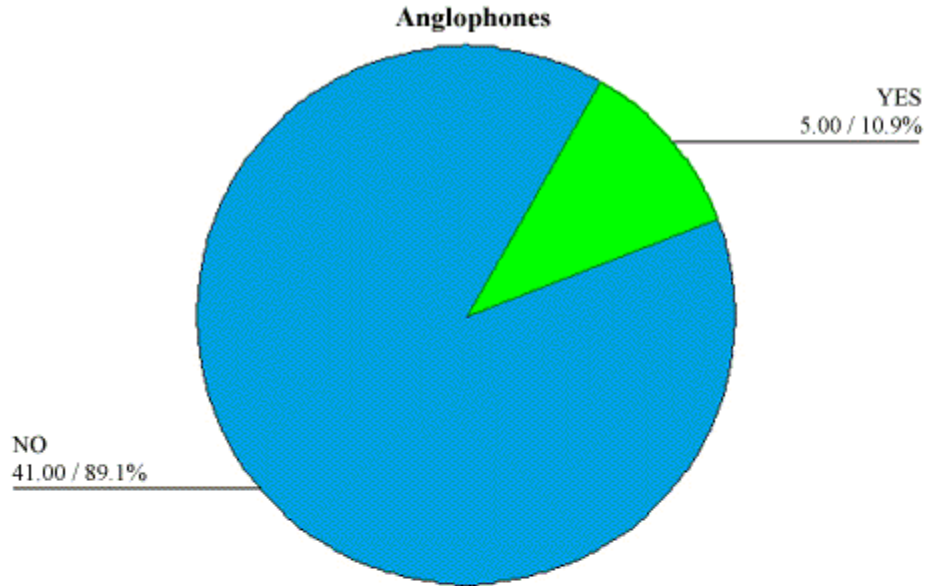
Do you presently have access to a 486 computer, a modem, a telephone line and a printer?



- 92.8% or 107 educators do not have access to these items.
- 7.8% or 9 educators do have access to these items.

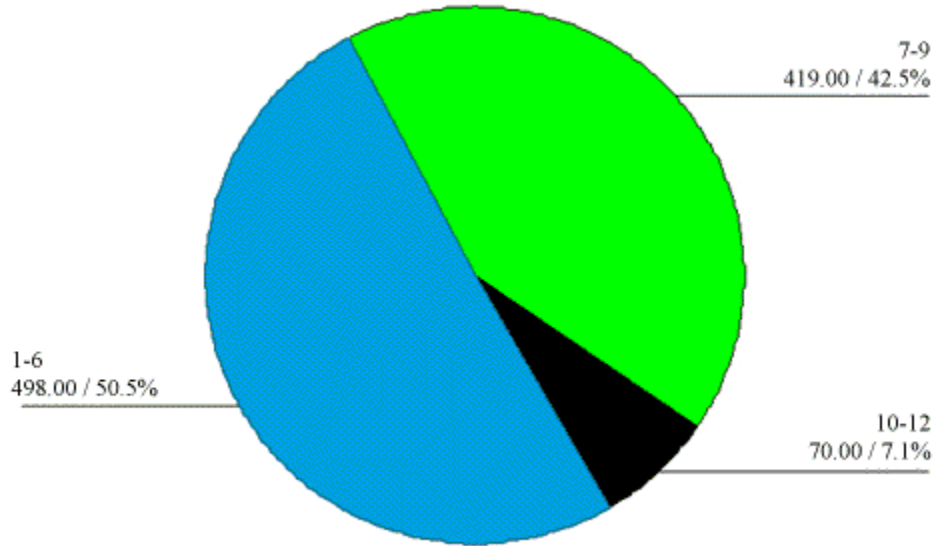
Technology and Literacy Survey (Educators) - Provincial Report

Do you presently have access to a 486 computer, a modem, a telephone line and a printer? (*by linguistic group*)



Technology and Literacy Survey (Learners) - Provincial Report

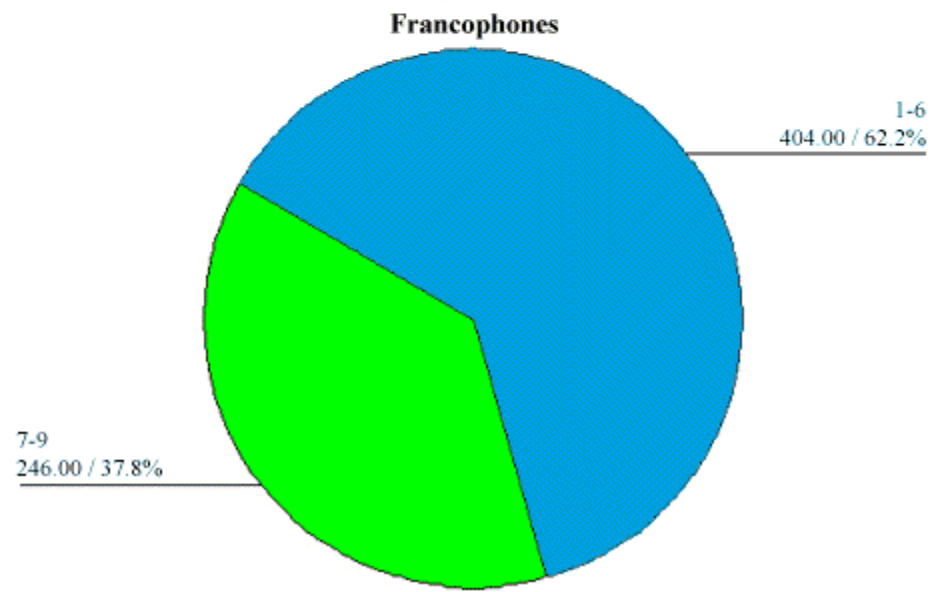
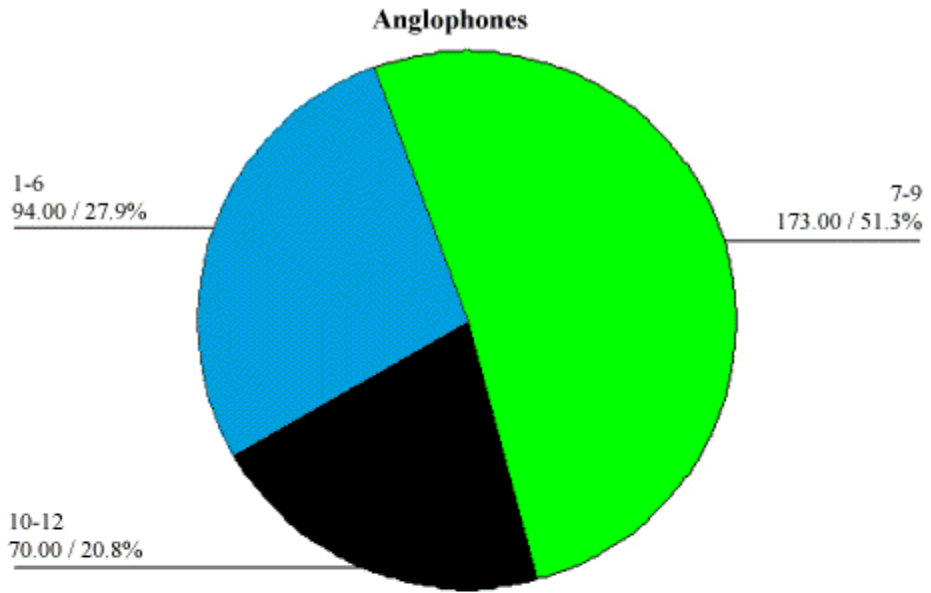
Level of education



- 50.5% or 498 out of 987 are in the level 1-6.
- 42.5% or 419 out of 987 are in the level 7-9.
- 7.1% or 70 out of 987 are in the level 10-12.

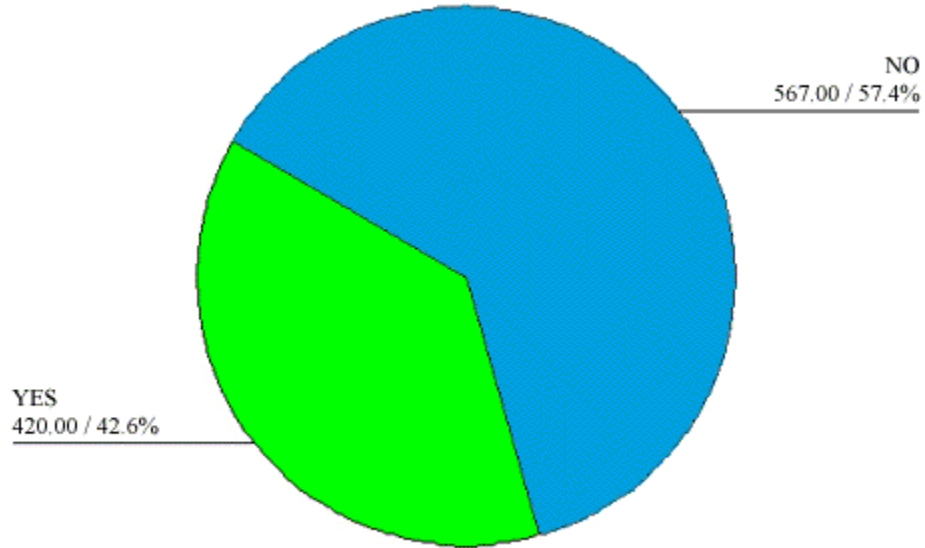
Technology and Literacy Survey (Learners) - Provincial Report

Level of education of the learners (*by linguistic group*)



Technology and Literacy Survey (Learners) - Provincial Report

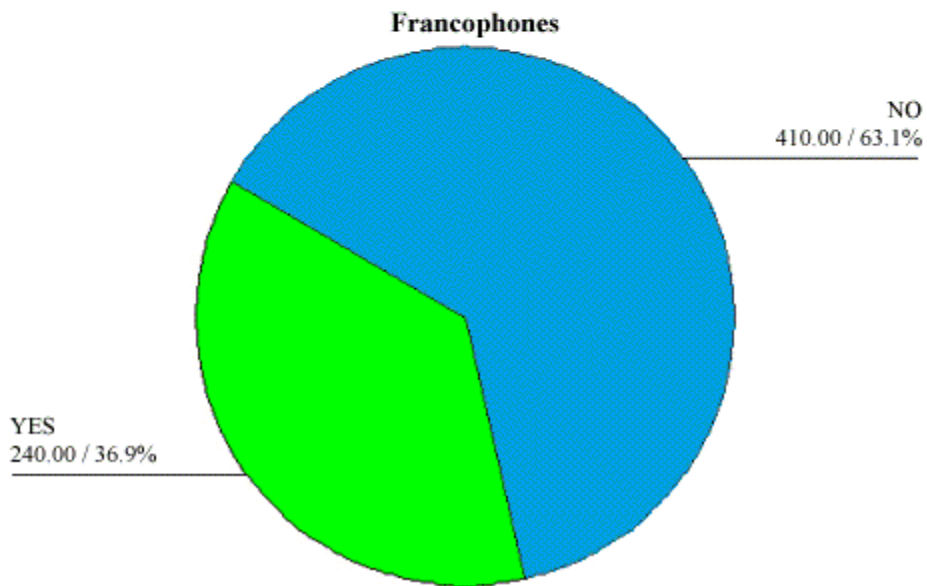
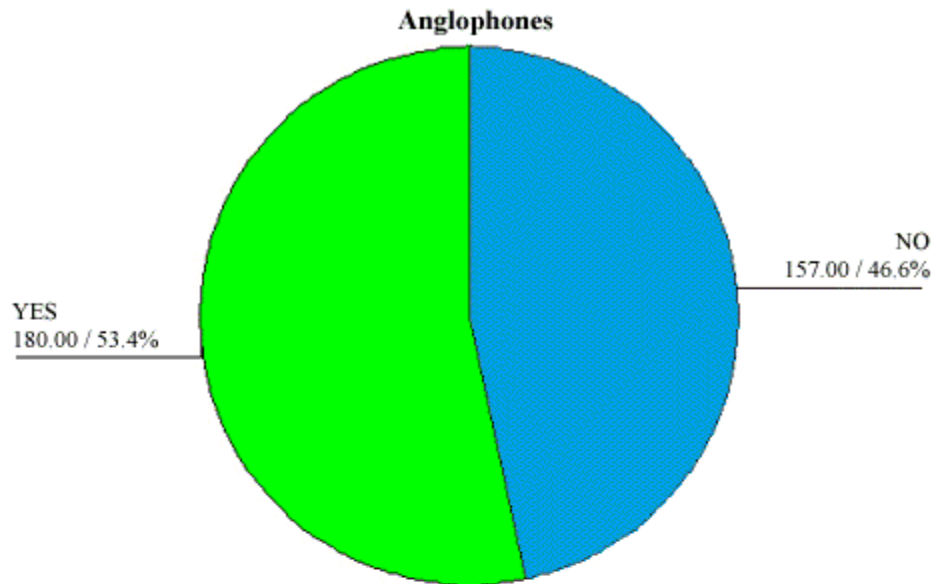
Have you used a computer?



- 42.6% or 420 learners indicated that they have used computers.
- 57.4% or 567 learners indicated that they have not used computers.

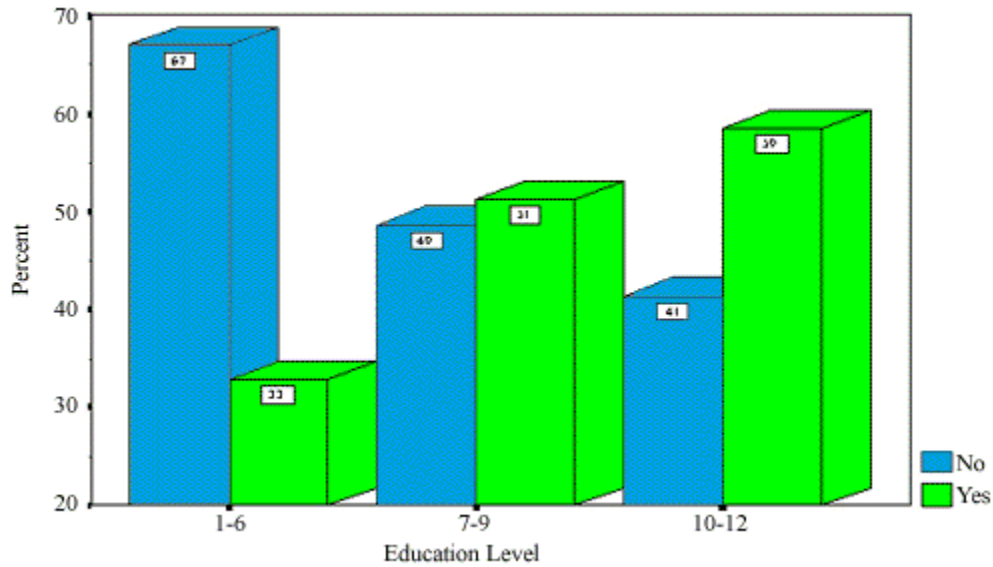
Technology and Literacy Survey (Learners) - Provincial Report

Have you used computers? (*by linguistic group*)



Technology and Literacy Survey (Learners) - Provincial Report

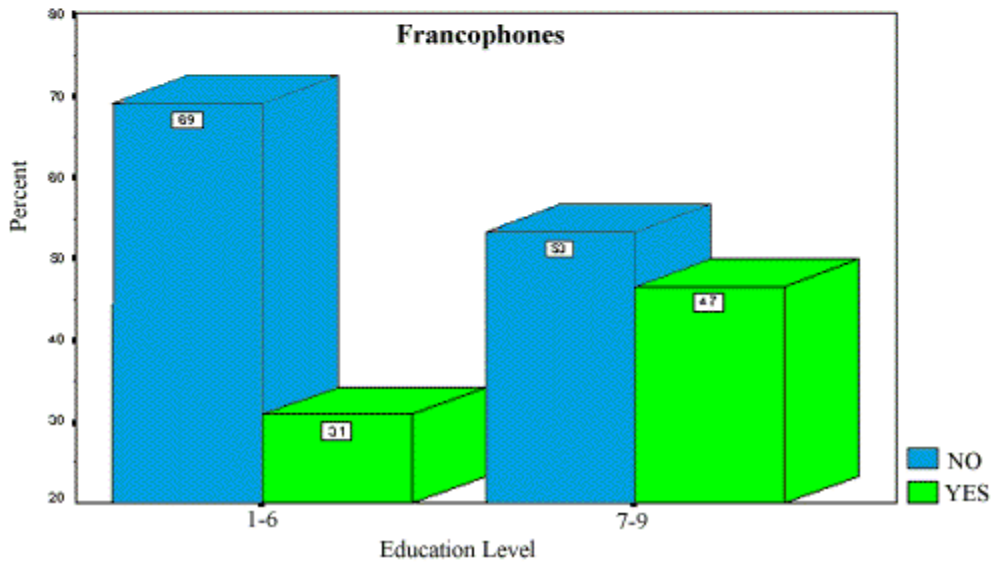
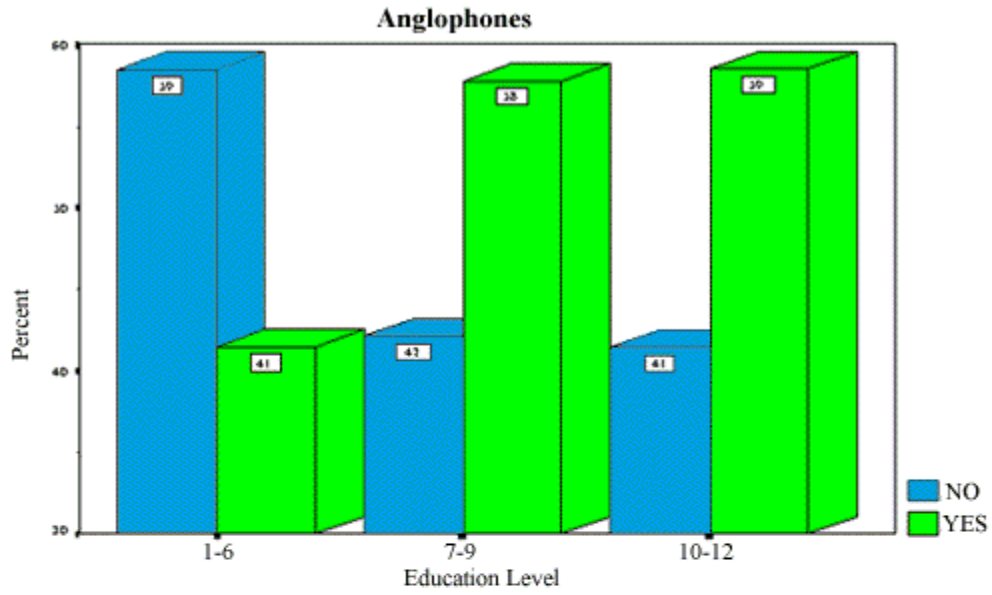
Use of computers (by level of education)



- 67% of the 498 learners in level 1-6 have not used computers.
- 33% of the 498 learners in level 1-6 have used computers.
- 49% of the 419 learners in level 7-9 have not used computers.
- 51% of the 419 learners in level 7-9 have used computers.
- 41% of the 70 learners in level 10-12 have not used computers.
- 59% of the 70 learners in level 10-12 have used computers.

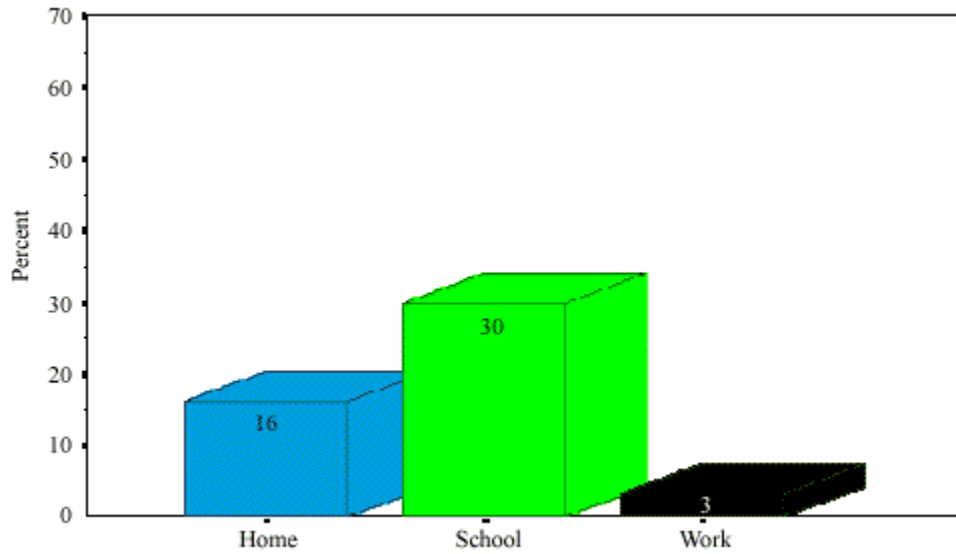
Technology and Literacy Survey (Learners) - Provincial Report

Have you used computers? (*by linguistic group*)



Technology and Literacy Survey (Learners) - Provincial Report

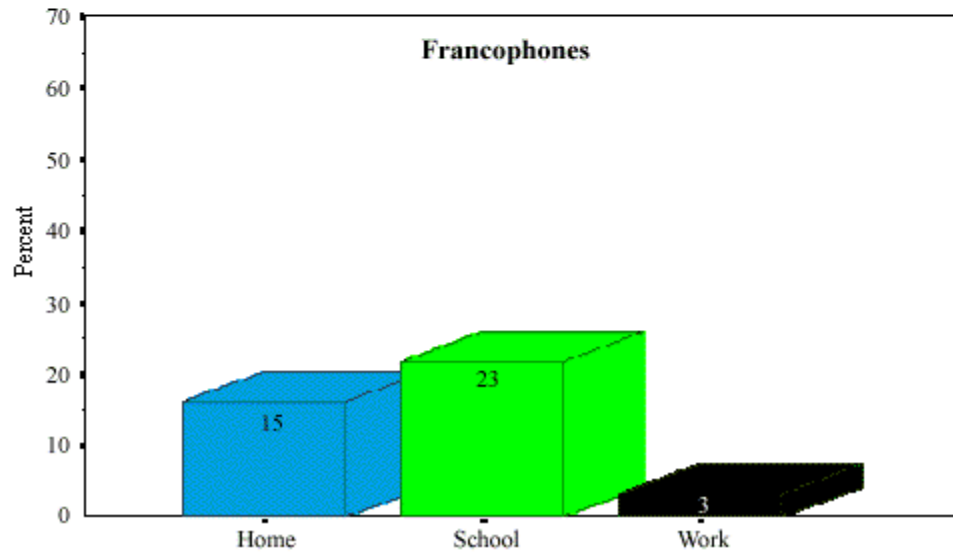
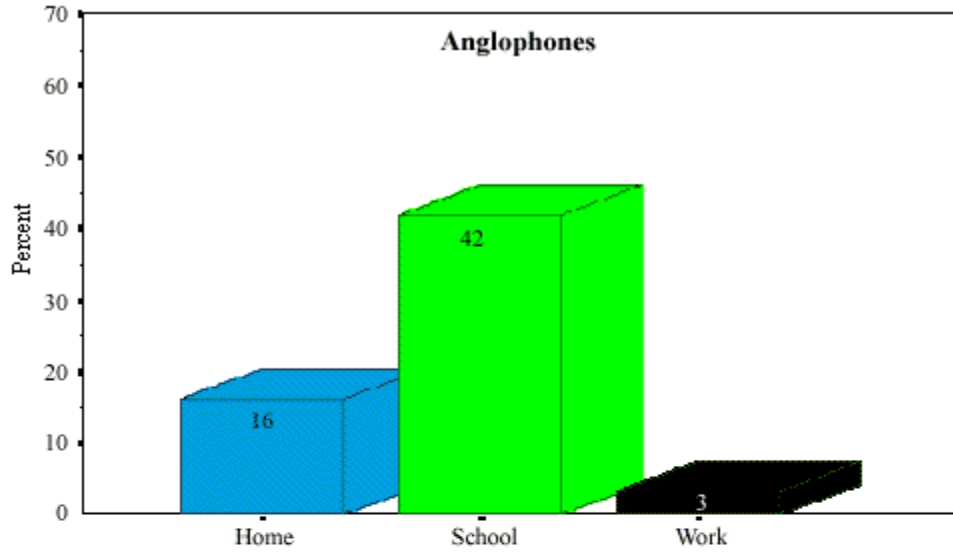
Location where computers were used?



- 16% or 155 out of 987 learners indicated that they used a computer at home.
- 30% or 293 out of 987 learners indicated that they used a computer at school.
- 3% or 32 out of 987 learners indicated that they used a computer at work.

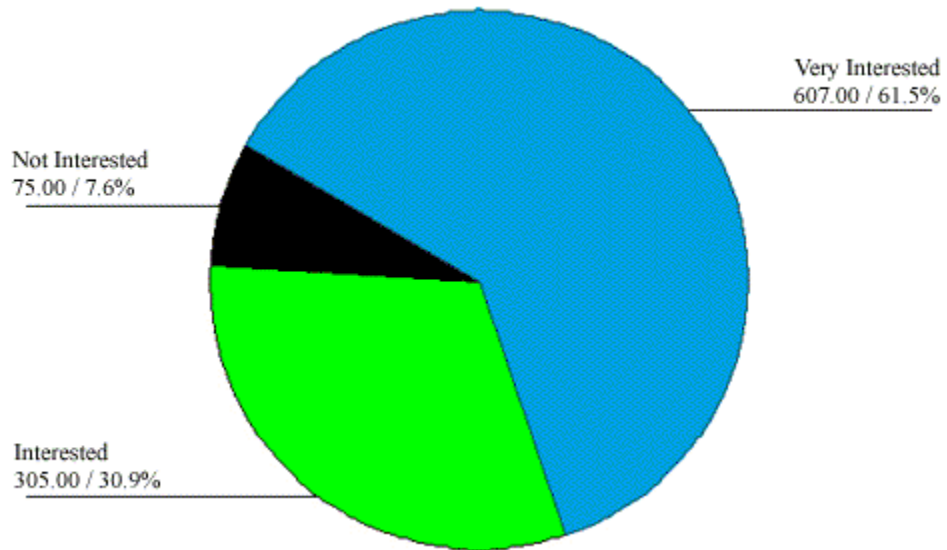
Technology and Literacy Survey (Learners) - Provincial Report

Location where computers were used? (*by linguistic group*)



Technology and Literacy Survey (Learners) - Provincial Report

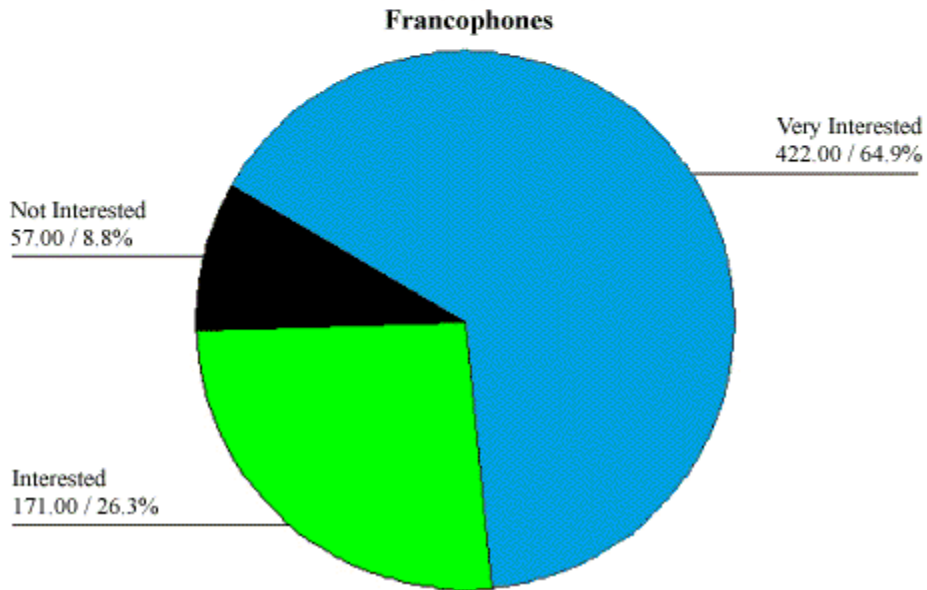
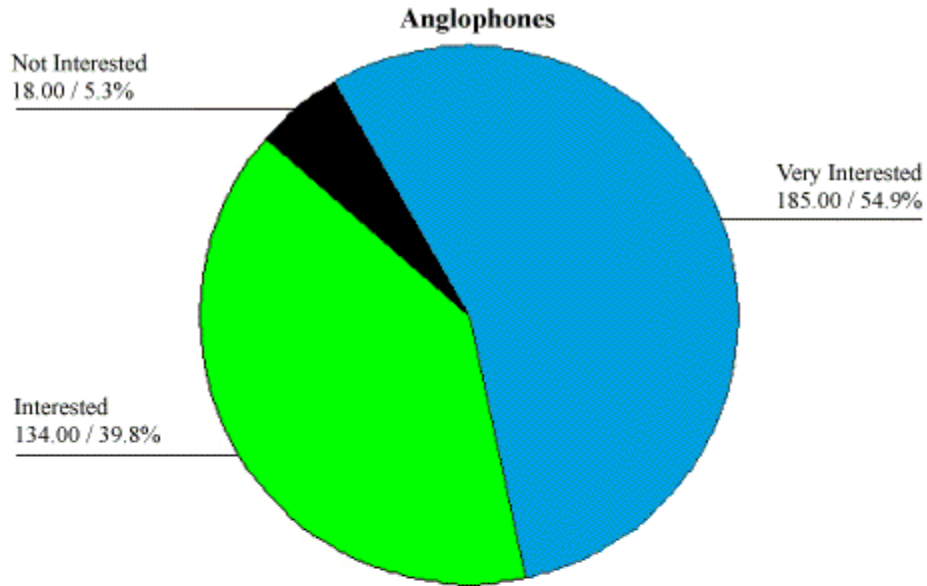
How interested are you in learning about new technologies, such as Internet and E-mail?



- 61.5% or 607 learners are very interested.
- 30.9% or 305 learners are interested.
- 7.6% or 75 learners are not interested.

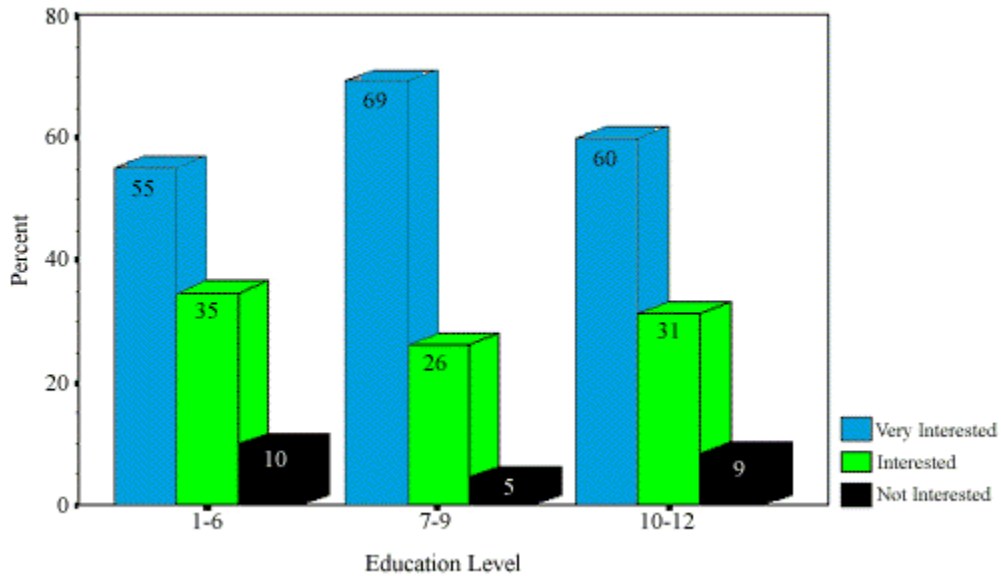
Technology and Literacy Survey (Learners) - Provincial Report

How interested are you in learning about new technologies, such as Internet and E-mail? (*by linguistic group*)



Technology and Literacy Survey (Learners) - Provincial Report

How interested are you in learning about new technology by level of education?



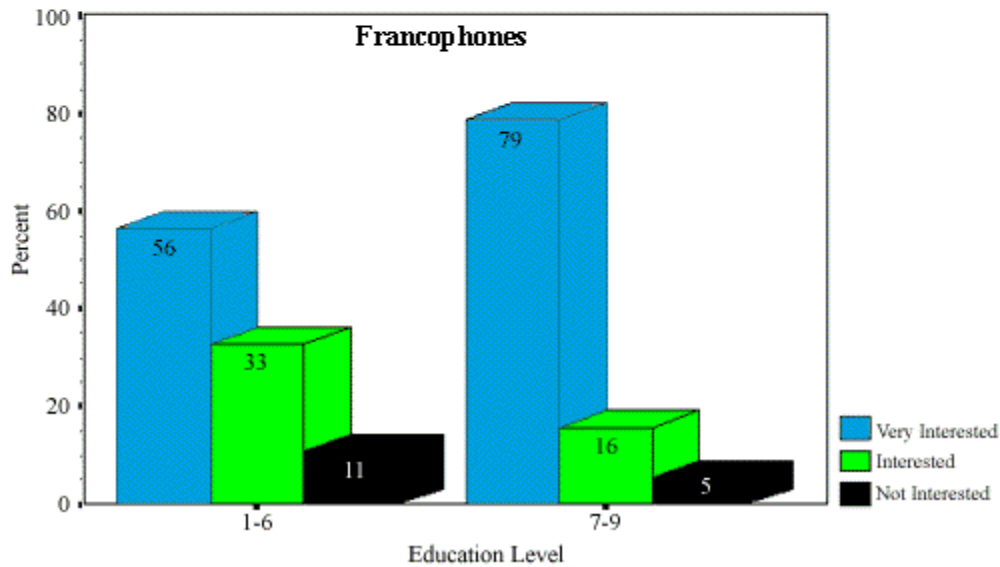
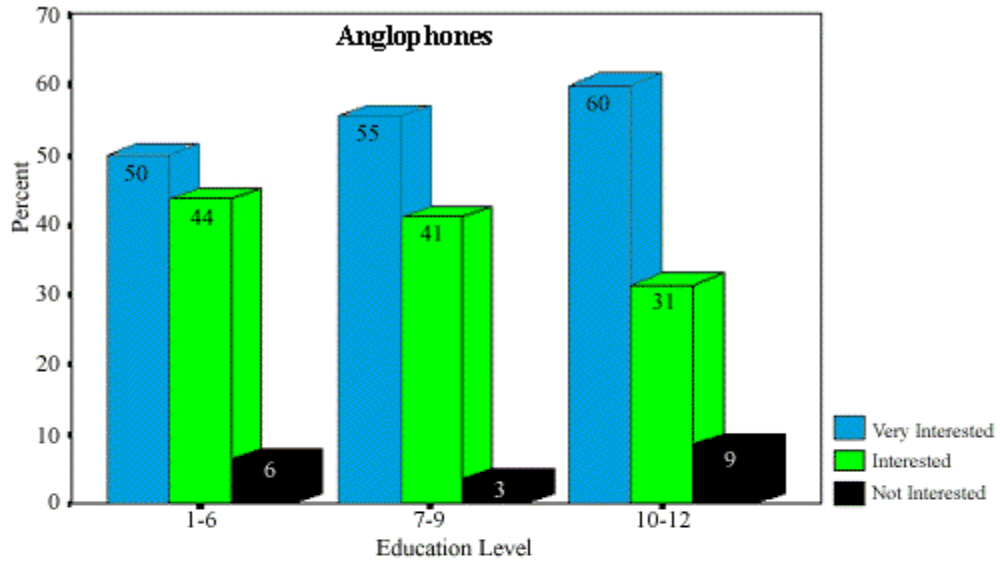
- 55% of the 498 learners in level 1-6 are very interested.
- 35% of the 498 learners in level 1-6 are interested.
- 10% or the 498 learners in level 1-6 are not interested.

- 69% of the 419 learners in level 7-9 are very interested.
- 26% of the 419 learners in level 7-9 are interested.
- 5% or the 419 learners in level 7-9 are not interested.

- 60% of the 70 learners in level 10-12 are very interested.
- 31% of the 70 learners in level 10-12 are interested.
- 9% or the 70 learners in level 10-12 are not interested.

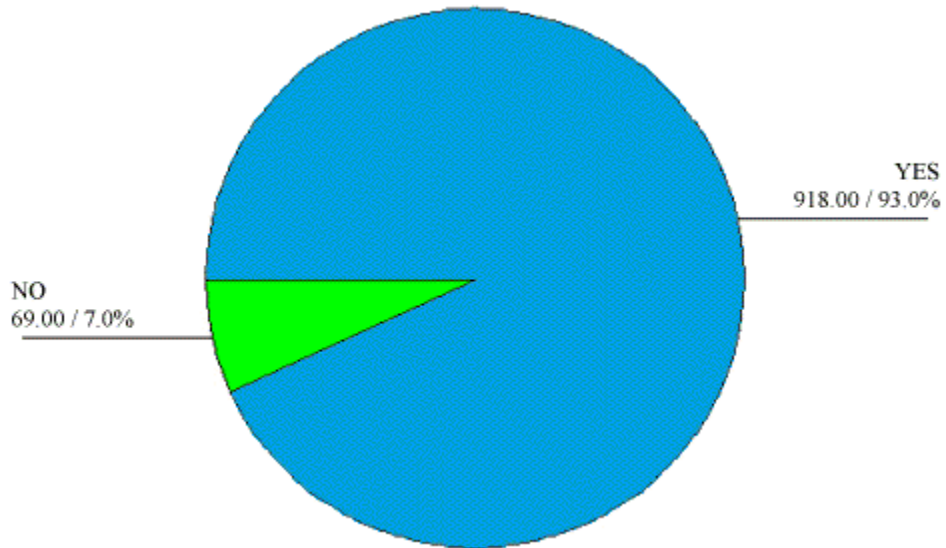
Technology and Literacy Survey (Learners) - Provincial Report

How interested are you in learning about new technologies, such as Internet and E-mail? (by linguistic group)



Technology and Literacy Survey (Learners) - Provincial Report

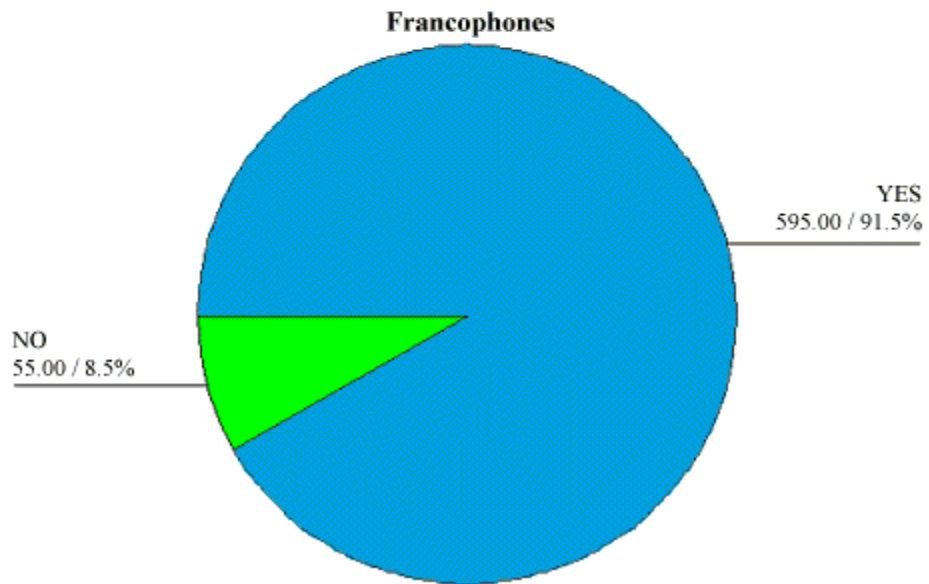
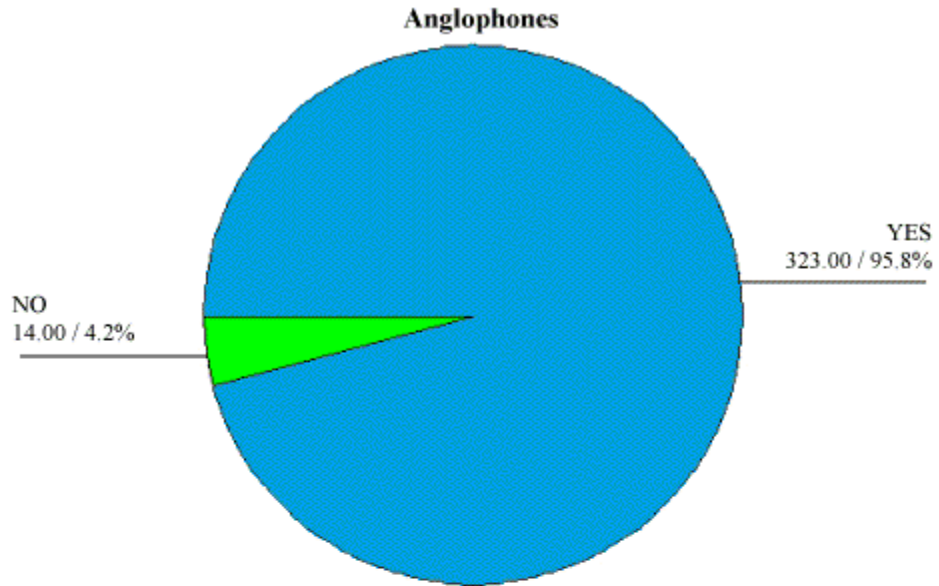
Do you or would you feel comfortable using a computer in your classroom?



- 93.0% or 918 learners indicated that yes they would feel comfortable using a computer in their classroom.
- 7.0% or 69 learners indicated that they would not feel comfortable using a computer in their classroom.

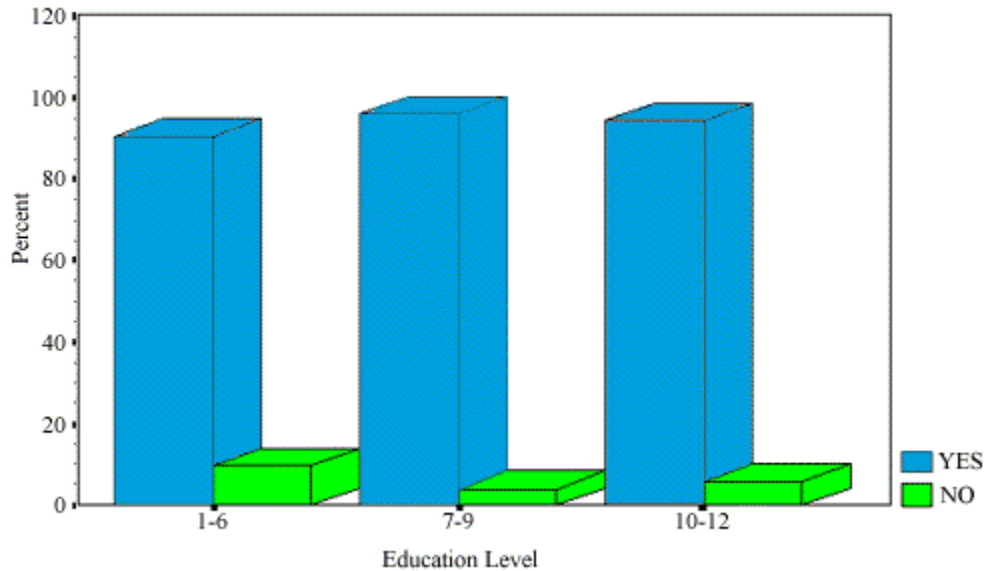
Technology and Literacy Survey (Learners) - Provincial Report

Do you or would you feel comfortable using a computer in your classroom? (*by linguistic group*)



Technology and Literacy Survey (Learners) - Provincial Report

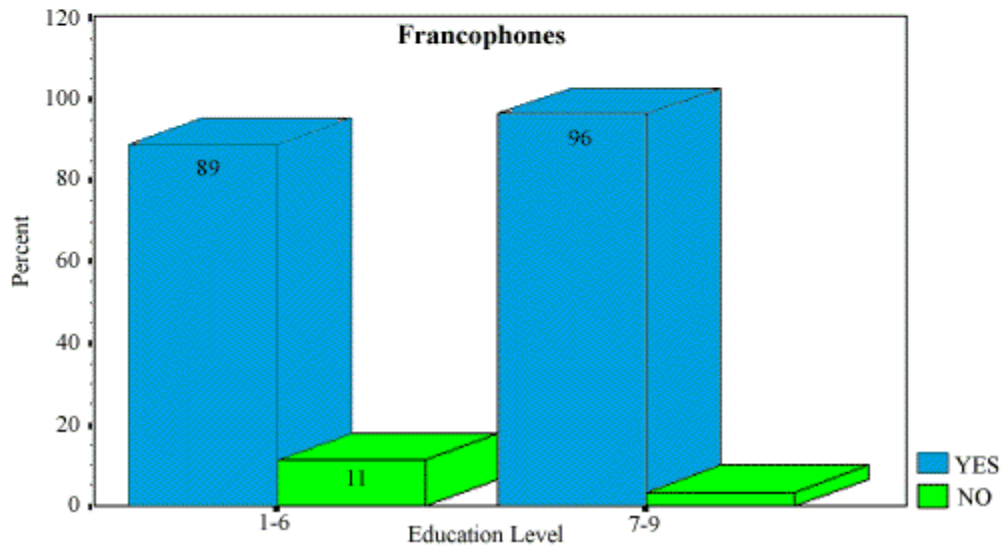
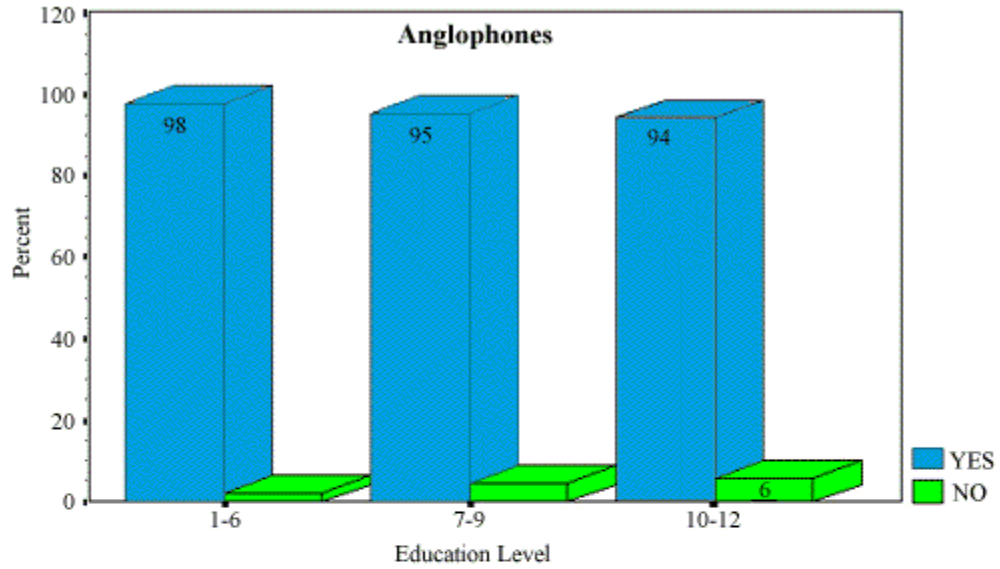
Do you feel comfortable using a computer in your classroom? (by level of education)



- 90% of the 498 learners in level 1-6 are comfortable using a computer in the classroom.
- 10% of the 498 learners in level 1-6 are not comfortable using a computer in the classroom.
- 96% of the 419 learners in level 7-9 are comfortable using a computer in the classroom.
- 4% of the 419 learners in level 7-9 are not comfortable using a computer in the classroom.
- 94% of the 70 learners in level 10-12 are comfortable using a computer in the classroom.
- 6% of the 70 learners in level 10-12 are not comfortable using a computer in the classroom.

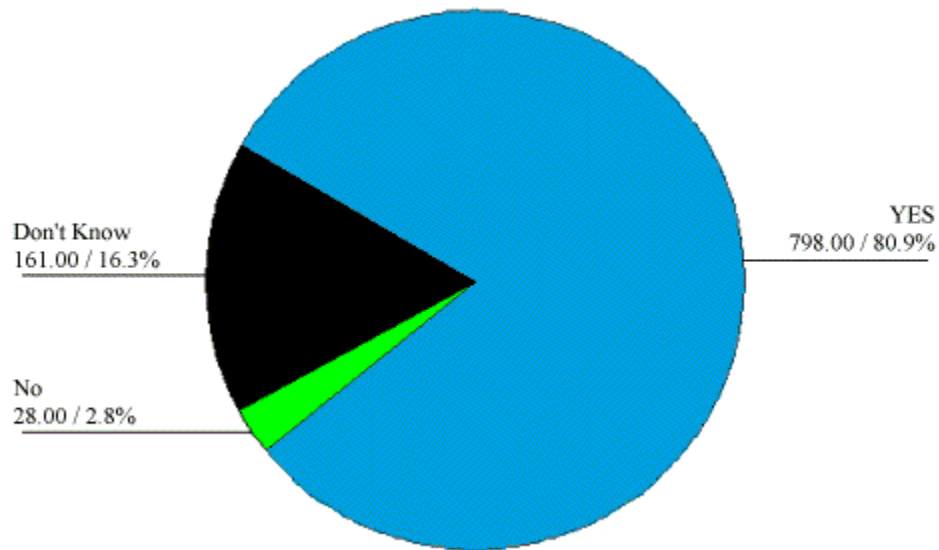
Technology and Literacy Survey (Learners) - Provincial Report

Do you feel comfortable using a computer in your classroom? (*by linguistic group*)



Technology and Literacy Survey (Learners) - Provincial Report

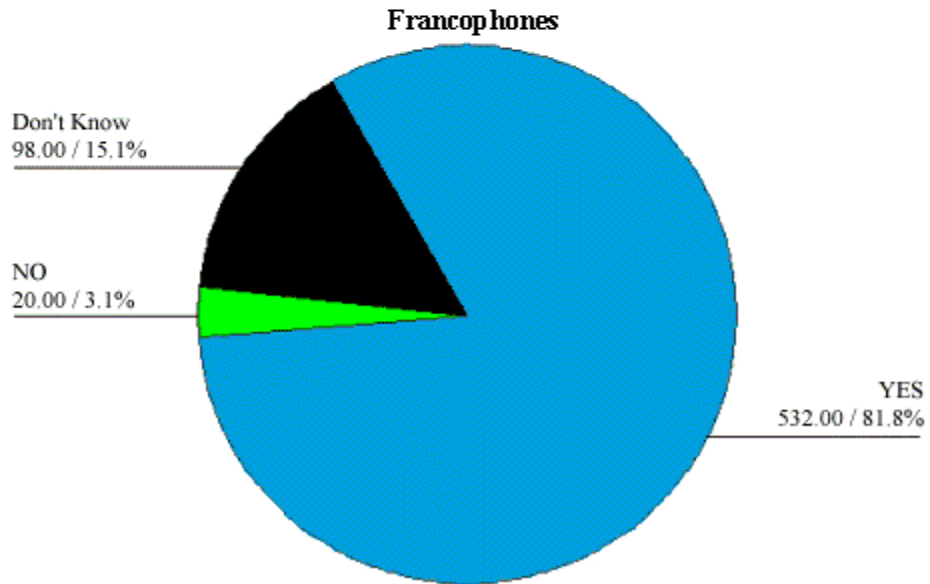
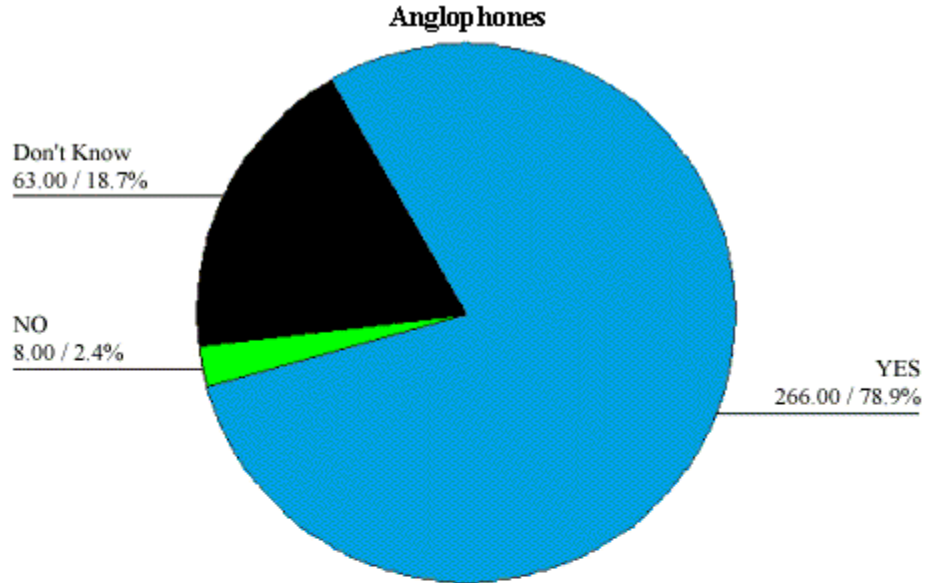
Do you feel that using a computer can help you improve your reading, writing and math?



- 80.9% or 798 learners indicated yes it would help.
- 2.8% or 28 learners indicated no it would not help.
- 16.3% or 161 learners indicated the they don't know if it would help.

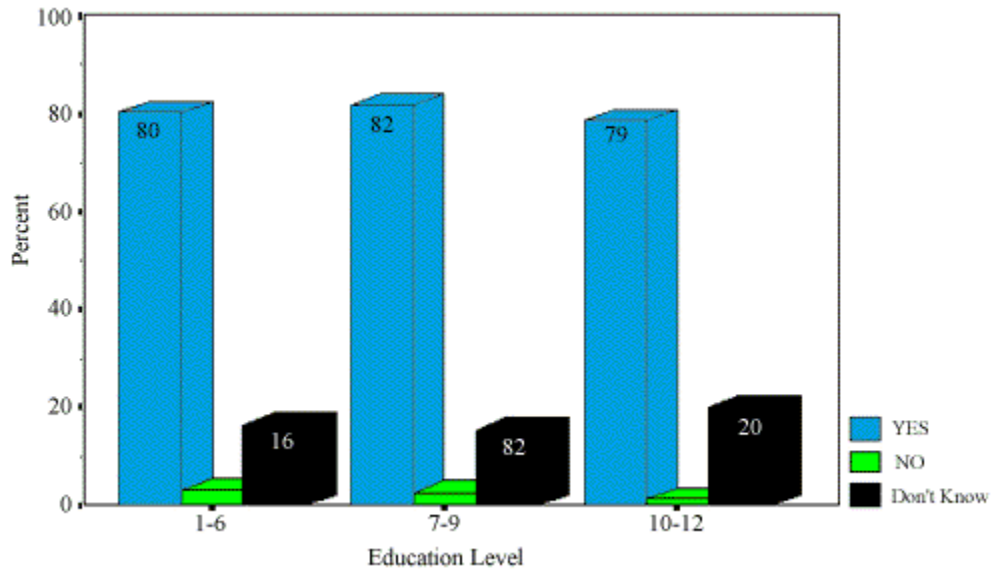
Technology and Literacy Survey (Learners) - Provincial Report

Do you think that using a computer can help you improve your reading, writing and math? (*by linguistic group*)



Technology and Literacy Survey (Learners) - Provincial Report

Do you think that using a computer can help you improve your reading, writing and math? (by level of education)



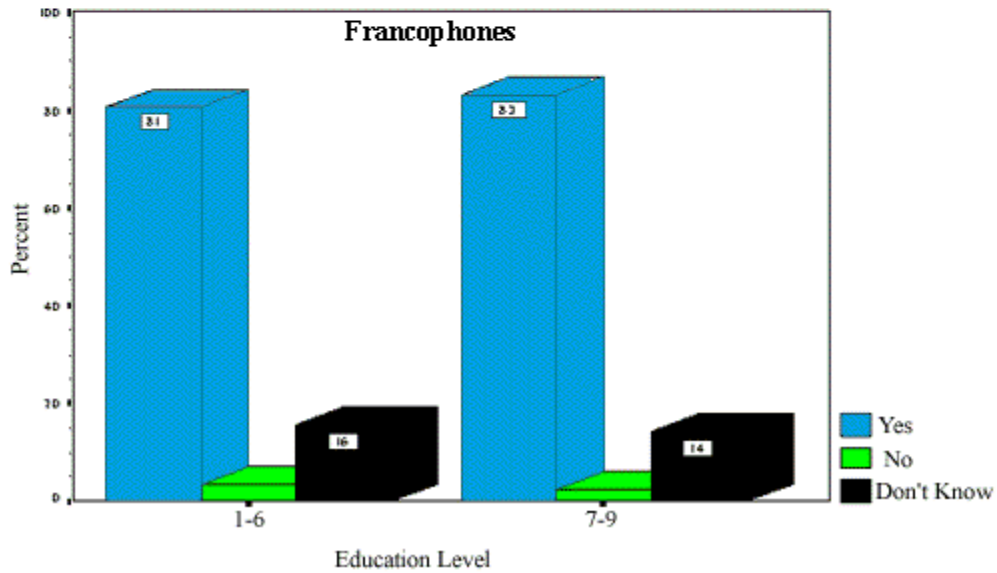
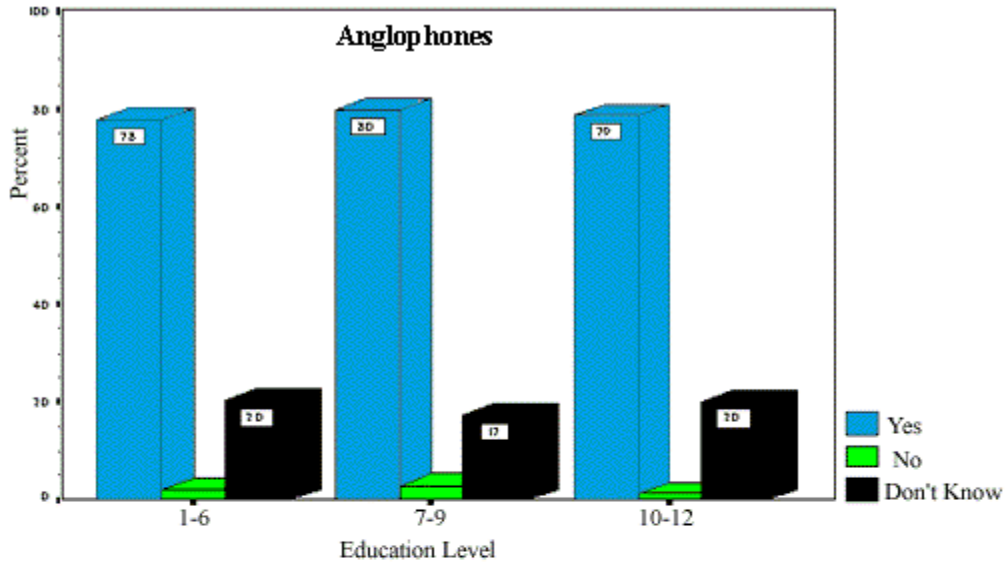
- 80% of the learners in the level 1-6 indicated that it would help them.
- 4% of the learners in the level 1-6 indicated that it would not help them.
- 16% of the learners in the level 1-6 indicated that they do not know if it would help them.

- 82% of the learners in the level 7-9 indicated that it would help them.
- 2% of the learners in the level 7-9 indicated that it would not help them.
- 16% of the learners in the level 7-9 indicated that they do not know if it would help them.

- 79% of the learners in the level 10-12 indicated that it would help them.
- 1% of the learners in the level 10-12 indicated that it would not help them.
- 20% of the learners in the level 10-12 indicated that they do not know if it would help them.

Technology and Literacy Survey (Learners) - Provincial Report

Do you think that using a computer can help you improve your reading, writing and math? (by linguistic group)



Questionnaire: Technology and Literacy Survey for Educators

Please check one of the following:

New Brunswick Community College (NBCC) instructor _____

Laubach Tutor _____

Community Academic Services Program (CASP) facilitator _____

Section A

1. Check the category that best reflects your highest level of education:

_____ less than grade 12

_____ high school diploma

_____ some college or university

_____ college diploma

_____ university degree

_____ graduate school

_____ other (specify) _____

2. Do you have any experience using computers?

_____ yes

_____ no

If yes, which of the following have you used?

_____ word processing _____ desktop publishing

_____ E-mail _____ Internet

_____ spreadsheets _____ computer conferencing

_____ databases _____ CDROM

_____ audiographics _____ multi user domains (MUDs)

_____ computer simulations _____ computer assisted instruction (CAI)

3. Which of the above have you used in your academic upgrading program?

4. Have you completed any computer training workshops or courses?

_____ yes

_____ no

If yes, please specify training received:

5. Identify four of the items listed in question #2 for which you would like training:

6. How interested are you in learning about new computer technologies?

- very interested
- interested
- not interested

Section B

7. If you have computers in your classroom, indicate the type and the number of each:
IBM or compatible: 286 386 486 Pentium
Mac/Apple Mac SE Power Mac Apple IIGs
Other (please specify) _____

8. What other technologies or computer hardware do you have in your classroom?
 printer audiotape recorder scanner
 CDROM fax VCR
 modem TV telephone

9. Do you think access to E-mail and Internet would be educationally beneficial to the learners in your program?
 yes
 no
 don't know

10. In order to use E-mail and Internet effectively, you would require a 486 computer, a modem, a telephone line and a printer. Do you presently have access to these items?
 yes
 no

If no, are there physical, financial, or other barriers to installing them in your classroom? Explain.

11. "To help prepare adult literacy students for the future, our programs must provide them with an exposure to computers and communication technology and the skills to effectively use the technology."
Please comment on this statement.

12. Please provide your views on the use of technology in education.

If you are willing to talk to us about using computers in the classroom, please provide your name and the name of your college, CASP or Literacy Council below.
Feel free to add any other comments here:

Name: _____
College/CASP/Council: _____

Questionnaire: Technology and Literacy Survey for Learners

Section A

1. Check your present level of education:

- 1-6
- 7-9
- 10-12
- other (specify) _____

2. Have you used computers?

- yes
- no

If yes, where?

- at home
- at work
- at school

3. If you have used a computer, describe what you used it for:

4. How interested are you in learning about new computer technologies, such as Internet and E-mail?

- very interested
- interested
- not interested

Section B

5. Do you or would you feel comfortable using a computer in your classroom?

- yes
- no

6. Do you think using a computer can help you improve your reading, writing and math?

- yes
- no
- don't know

7. How will learning more about computers help you now and in the future?

Section C

If you are willing to talk to us about using computers, please provide you name and the name of your college, CASP or Literacy Council below and feel free to add any other comments here:

Name: _____

College/CASP/Council: _____

Instructor/Facilitator/Tutor: _____