

Activity 1. Conclusions. ICT skills of Teachers

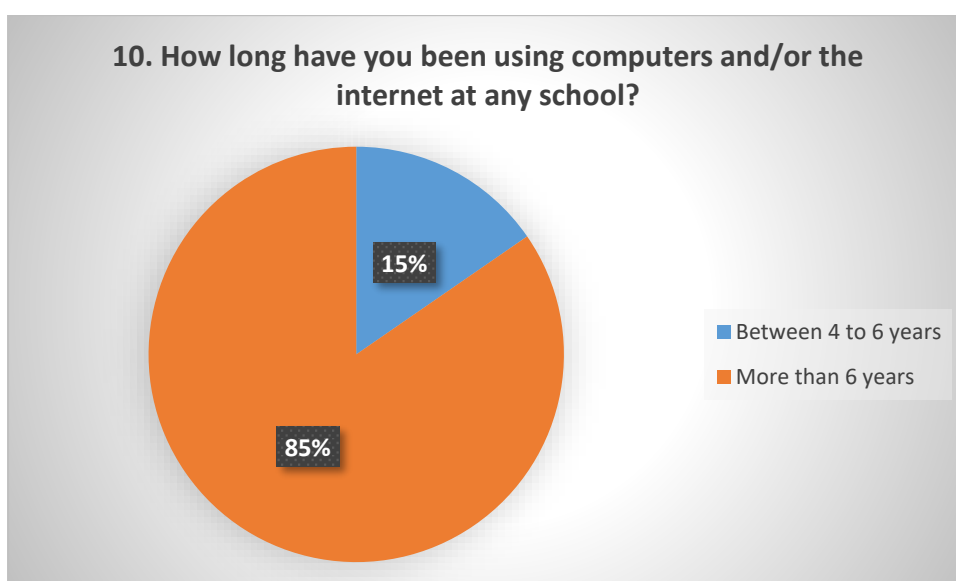
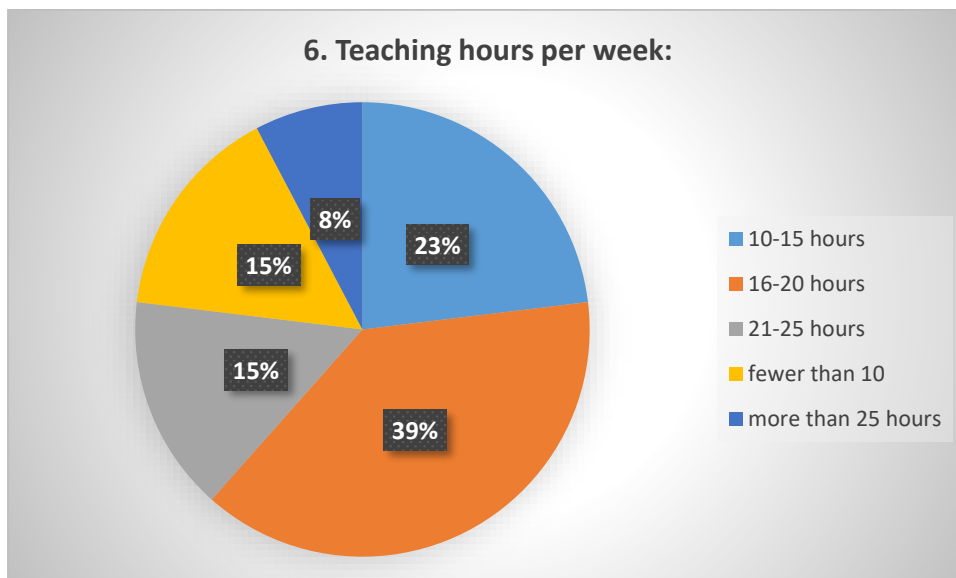
40% of teachers participated in survey done in November 2018.

A half of the teachers participating in the questionnaire are very experienced teachers as they have been working at school as teachers for 21-30 years (38%) or more than 30 years (23%). There are also young teachers whose experience of teaching are between 4-10 years (31%).

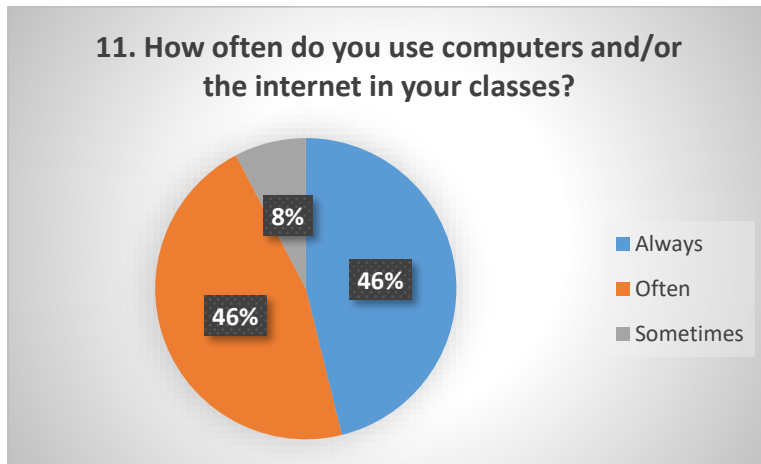
The majority of them teach 16-20 hours per week (39%) or 10-15 hours per week (23%).

85% of teachers have been using internet for more than 6 years. Others use it 4-6 years which means that there are no teachers who have started using internet only recently.

That means that we have received responses from teachers with different experience and teaching competences representing different generations and age groups.



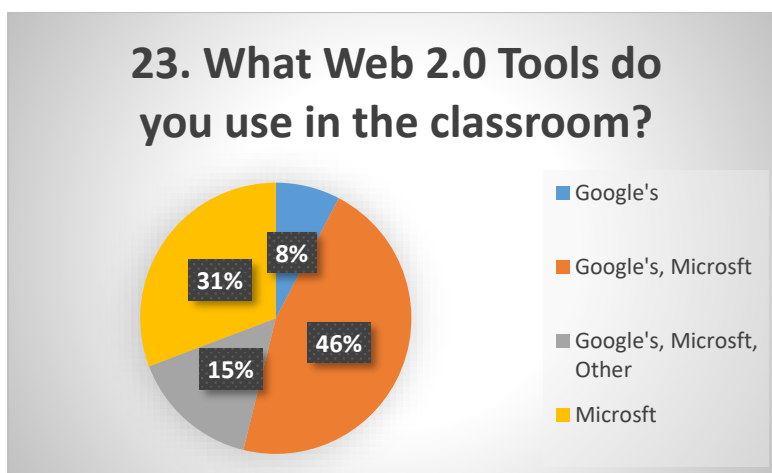
46% of teachers always use computers or internet in their classes but 46% do it often. Only 8% think that they use them only sometimes and there are no teachers who never does this. These good results could be explained by the fact that our teachers use different activities and tasks on Moodle platform or iTools regularly. Teachers use Moodle platform successfully during their regular classes, preparing students for tests and writing tests.



All Teachers have taken general courses on using internet tools and general skills courses on using Moodle platform. It was done by school ICT coordinator. Some subject teachers have also been taught by a more experienced teacher as we share ICT experience in subject groups regularly.

Participation in ICT training is compulsory for teachers in Tukums Evening and Distance Learning Secondary School as new skills and competences are needed to update and modernise materials and resources on Moodle. It means that teachers should have adequate skills but they don't use their skills as often as they would like to.

Only some of the teachers lack sufficient technical or pedagogical support a little or partially. Some teachers think that there are not enough adequate materials in native language for teaching available.

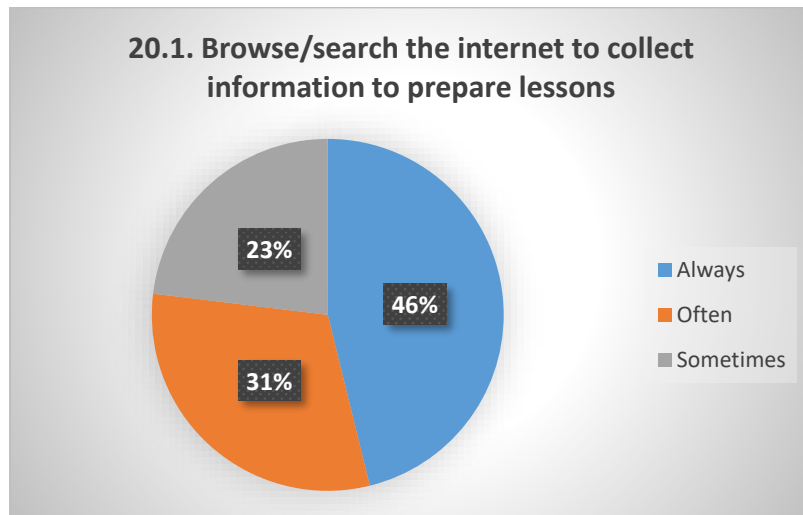


Teachers always use Web2.0 tools to prepare tests and materials for students used in the classroom. The subjects where teachers use these tools most often are languages, geography, mathematics, ICT and history.

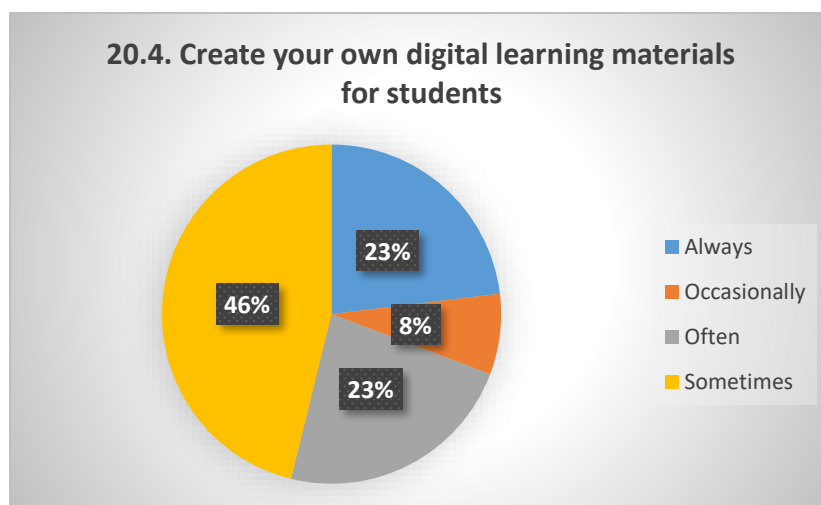
ICT SKILLS FOR TEACHING

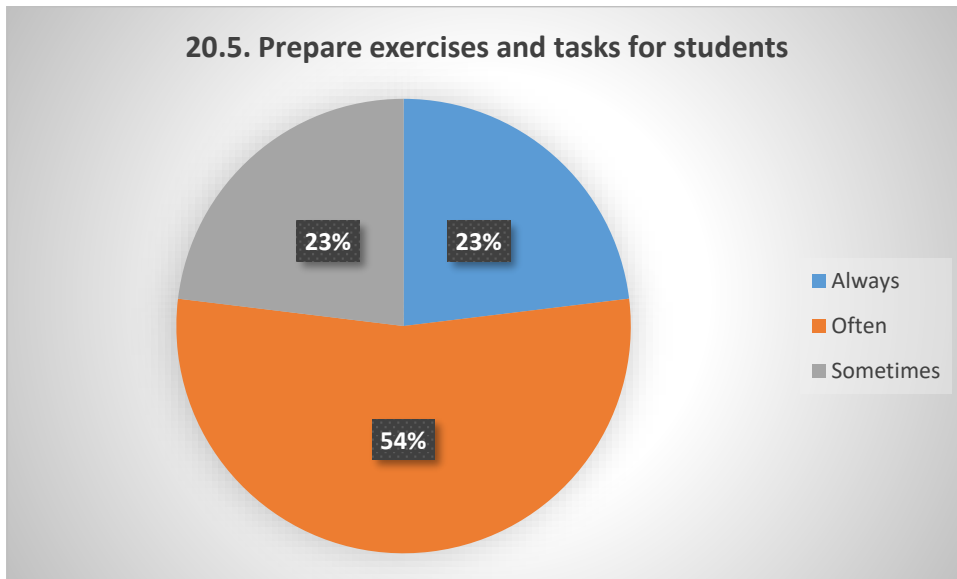
School provides teachers with laptops. There are two computer classrooms available for teaching, 17 laptops and 8 iPads, which can be used during regular classes. As we are e-learning and distance learning school the number of students coming to school every day is not very big and the equipment is enough to support our students.

All teachers use their ICT skills for preparing lessons and in the classroom. 46% of teachers always use internet to collect information to prepare lessons. 31% does it often and 23% think that they sometimes do it. There are no teachers who never use internet for teaching.



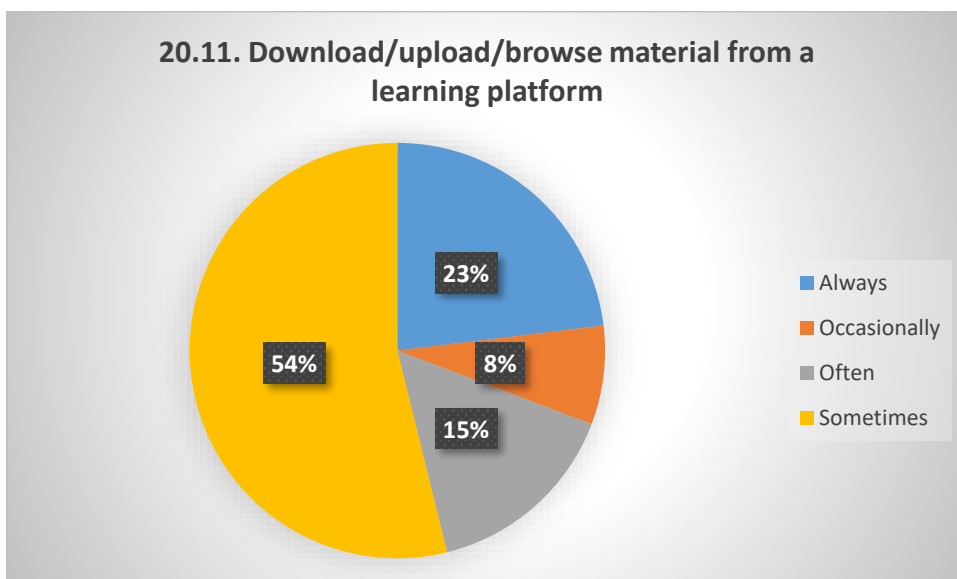
More than half of the teachers (69%) always or often create their own digital materials for students to be used as e-learning or distance learning materials as 80% of our students don't come to school as they are working in Latvia or abroad. 76% of teachers always or often prepare individual tasks for students based on their needs and previous achievements.





Many teachers use website www.uzdevumi.lv which is a resource for the study materials and also offers samples of tests which can be used for making the tests suitable for our students.

They also use www.learningapps.org as it easy to use in the classroom and possible to add to the learning activities on Moodle.



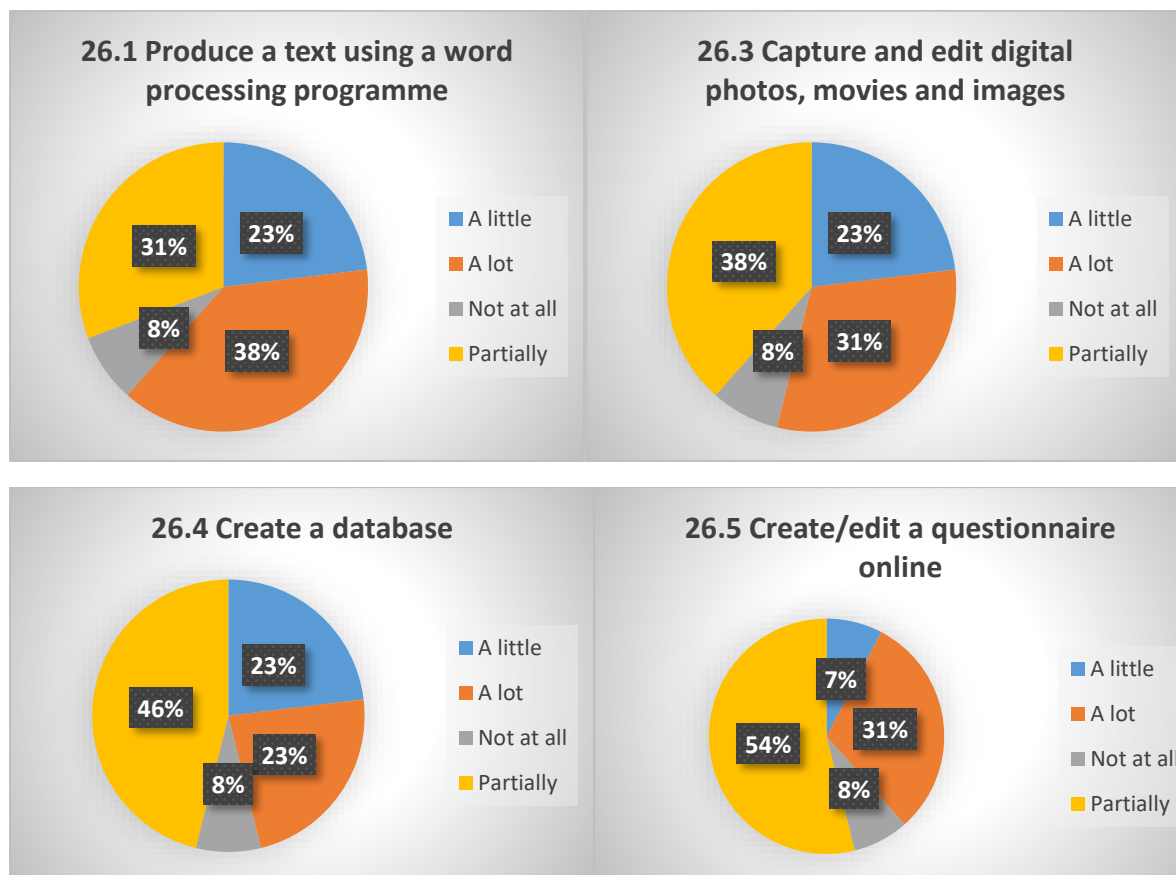
Teachers are quite confident in using different ICT skills:

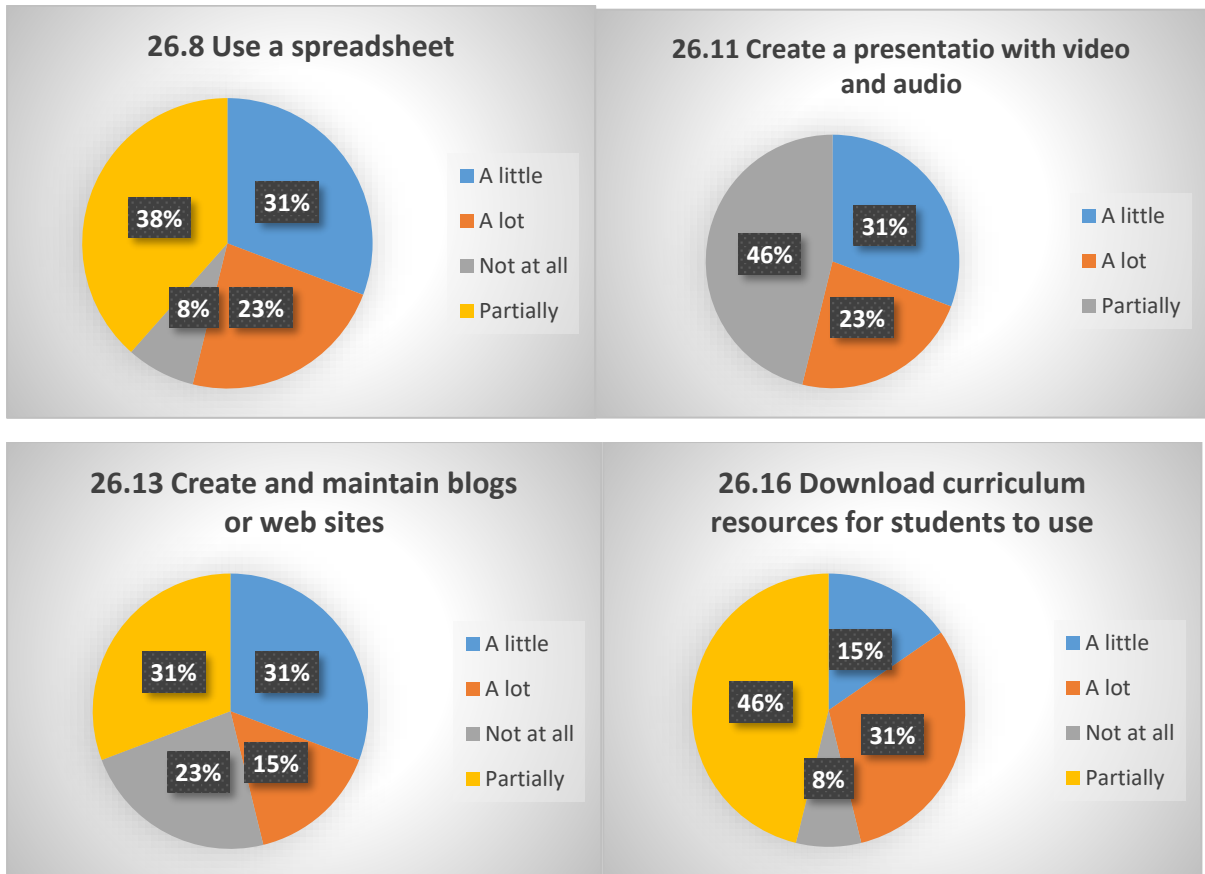
- 38% think that they are very confident in producing a text
- 31% are sure about their skills to capture and edit digital photos, movies and images, create or edit a questionnaire online, download curriculum resources for students
- 23% think that they are very confident in creating presentations with video and audio, creating a database, using a spreadsheet
- 15% know how to create and maintain blogs and websites

There are teachers who think that they have all the necessary skills partially: producing a text (31%), capturing and editing digital photos, movies and images (38%), creating or editing a questionnaire online (54%), downloading curriculum resources for students (46%), creating presentations with video and audio (46%), creating a database (46%), using a spreadsheet (38%), creating blogs and websites (31%).

The most surprising fact is that there are teachers who don't have these skills at all. The numbers are not big but still we have teachers who don't know how to do the following things:

producing a text (8%), capturing and editing digital photos, movies and images (8%), creating or editing a questionnaire online (8%), downloading curriculum resources for students (8%), creating a database (8%), using a spreadsheet (8%), creating blogs and websites (23%).





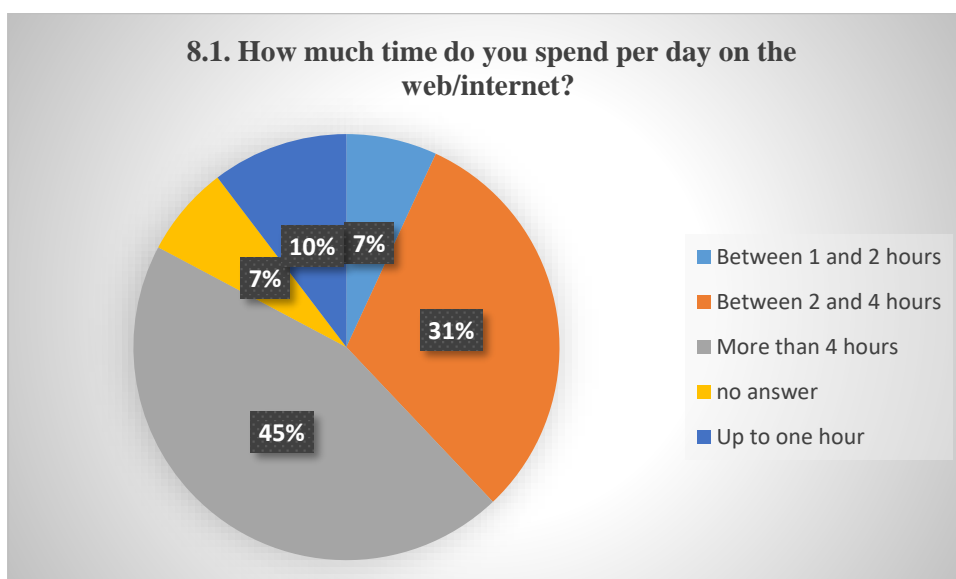
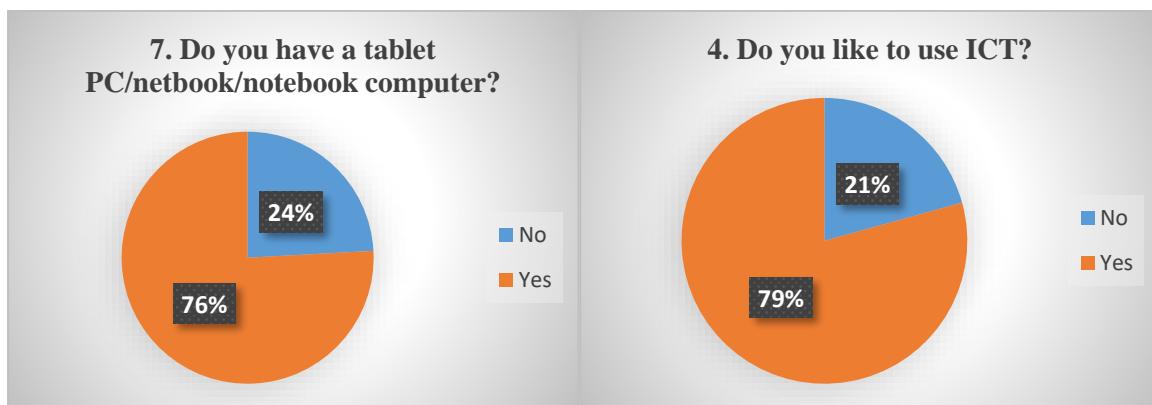
Activity 1. Conclusions. Students` questionnaire.

Survey was done in November 2018.

As we are evening and distance learning school, only 80% of our students come to school regularly. Many of our students are 20-40 years old and our school is their second or even third chance to get secondary education. We asked to do the questionnaire only those students who are coming to school regularly and are not older than 21 taking into account the target age group of the project.

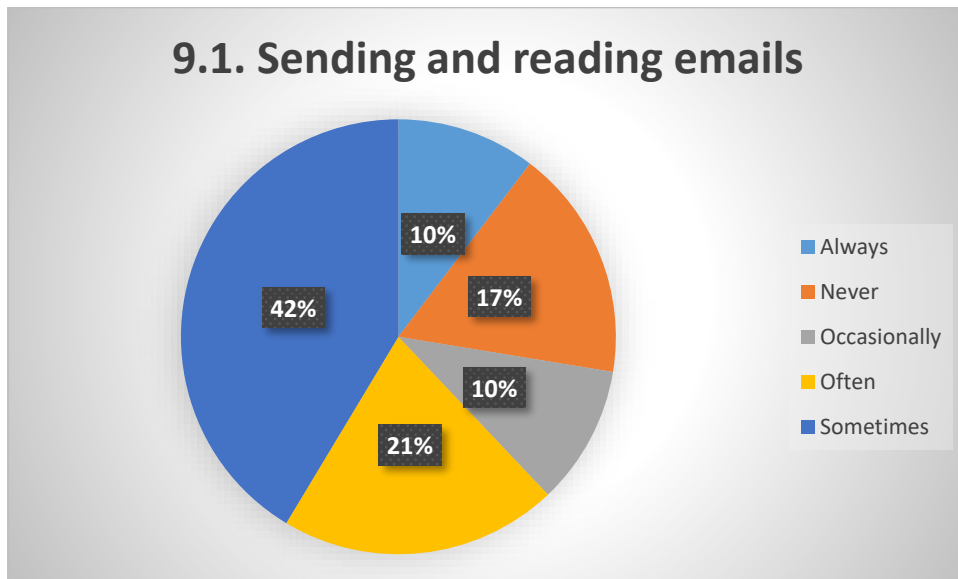
ICT is taught as separate subject at school. 48% of all students responding to the questions were 17 years old and 28% were 18 years old so we can say that the majority of students participating in the questionnaire were aged 17-18.

There is a very small number of students who don`t have telephone and a quarter of students who don`t have computer. 21% of students don`t like using ICT possibilities which is surprising result at the age 16-18.



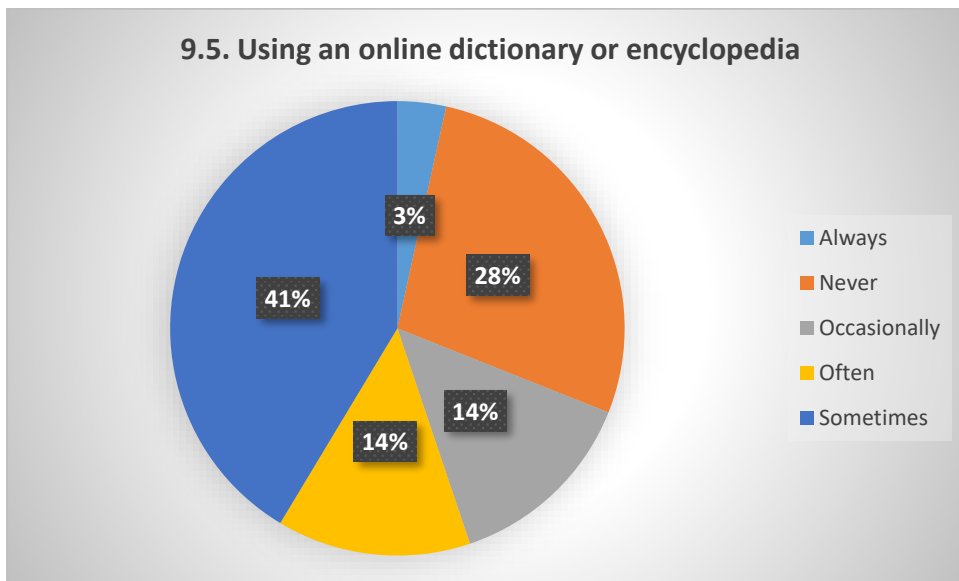
45% of students spend more than 4 hours on the internet. Approximately one third of all students spend between 2 and 4 hours on internet.

2 students don't have internet access and 17 % of students never read or send their e-mails but 10% do it only occasionally.

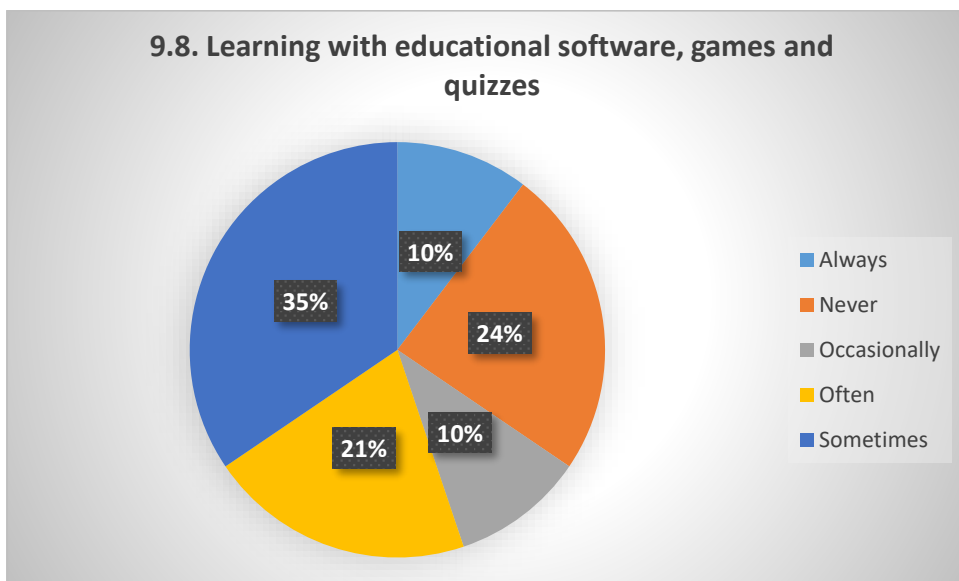


ICT skills for school and studies

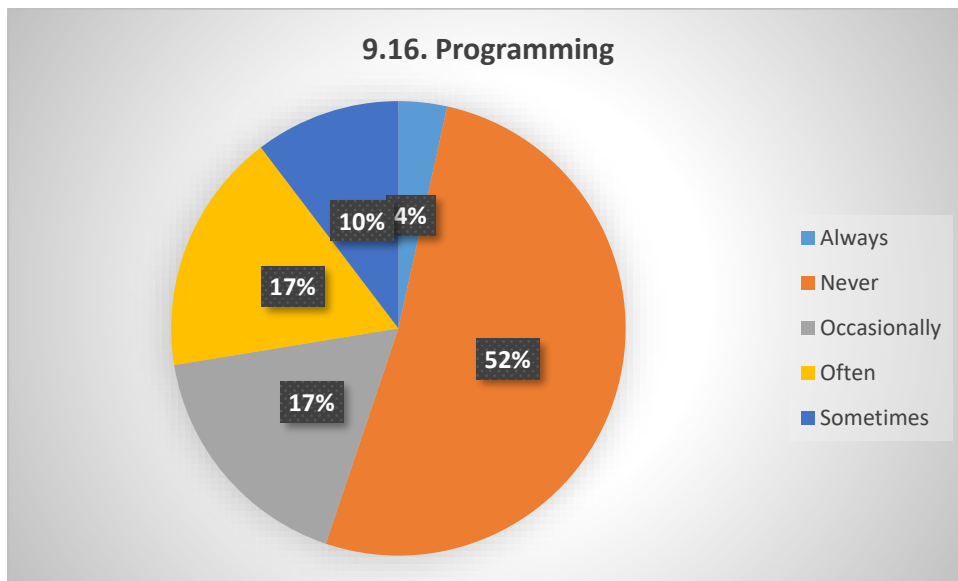
Students have to use their ICT skills using learning materials and doing tasks and tests on Moodle. 2 students haven't used internet for school the last six months. And 17% of students haven't used compute/laptop or tablet PC at school in the last 6 months. This is interesting because a lot of study materials are available on Moodle and should be used for studying purposes.



More than half of the students use online dictionaries or encyclopaedias in their studies doing it often, sometimes or always. But 28% of students have never used an online dictionary or encyclopaedia.



Almost the same number of students (24%) have never learned with educational software, games and quizzes which seems strange as we use online games and quizzes during lessons. 35% of students say that they do it sometimes.



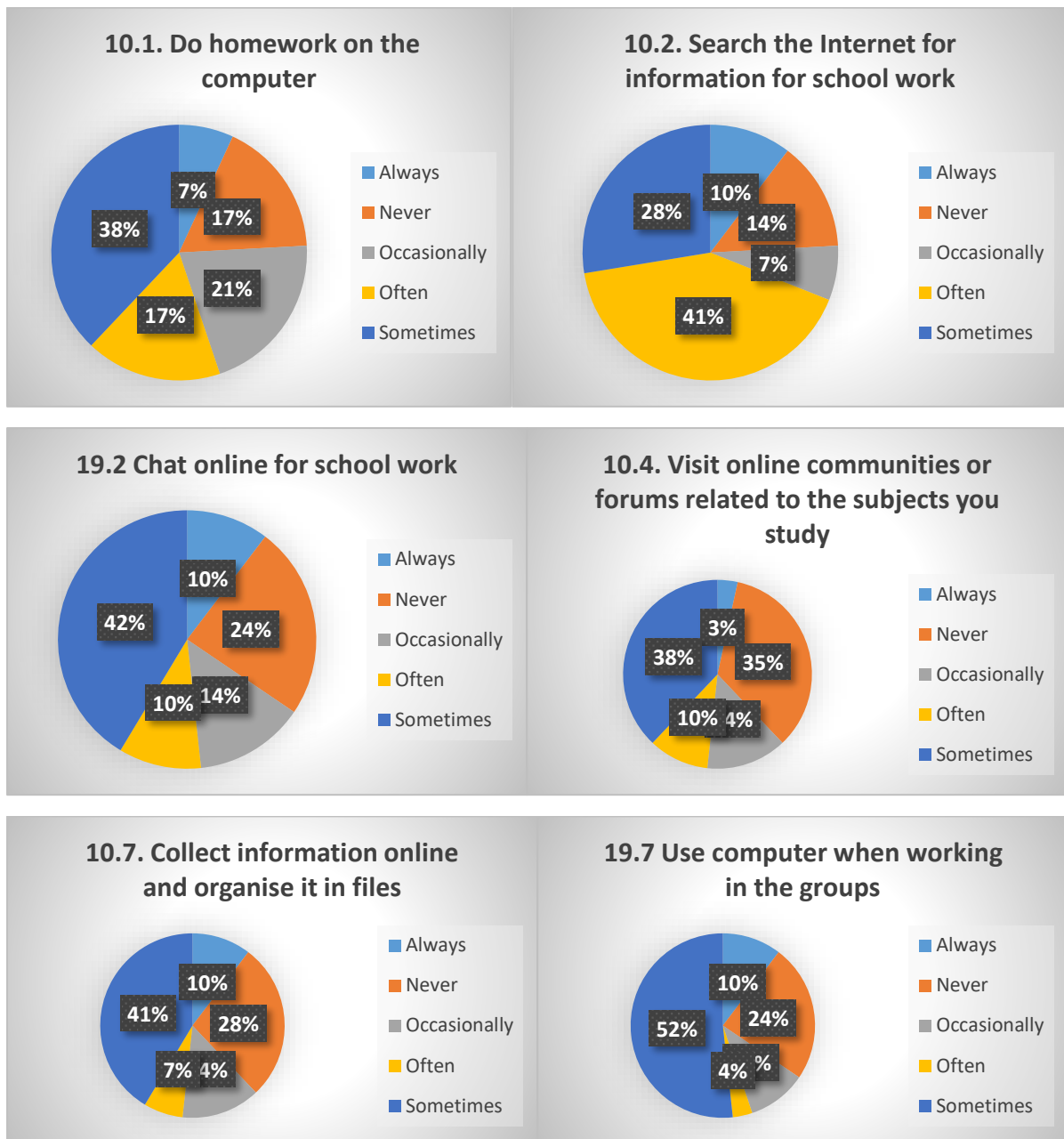
A bit more than half of the students have never done programming and only few students (4%) do it always. These students attend additional classes in ICT.

For their school work and tasks students:

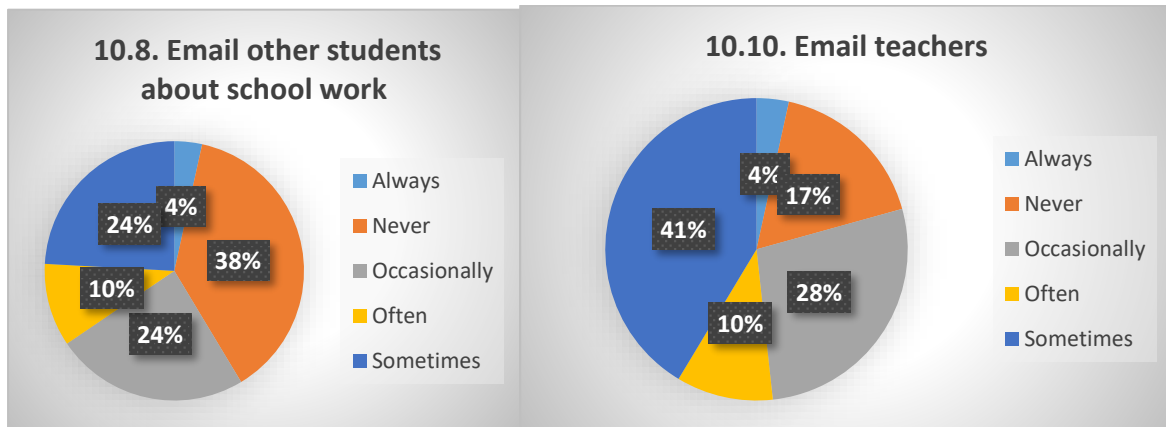
- ✓ Only sometimes use their computer doing homework (38%), visit online communities and forums related to the subjects they study (38%), chat online for school work (42%), use computer when having a group work (52%), use a computer to conduct an experiment (28%) and collect information online and organise it in files (41%)
- ✓ Often search the information for school work (41%) and use e-learning platform but 38% of students don't recognize any advantages of using e-learning platform

There are students who never does the school related activities using their ICT skills:

- ✓ 17% never do homework
- ✓ 14% never search internet for school work
- ✓ 24% never chat online for school work
- ✓ 35% never visit forums or online communities related to the subjects they study
- ✓ 38% never collect information and organise it in files
- ✓ 24% have never used computer in group work
- ✓ 38% never use computer to conduct an experiment

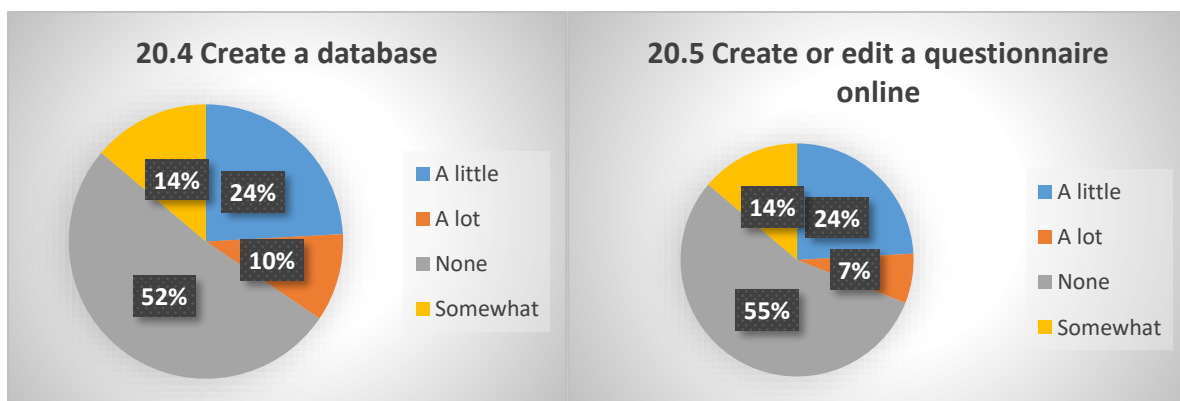
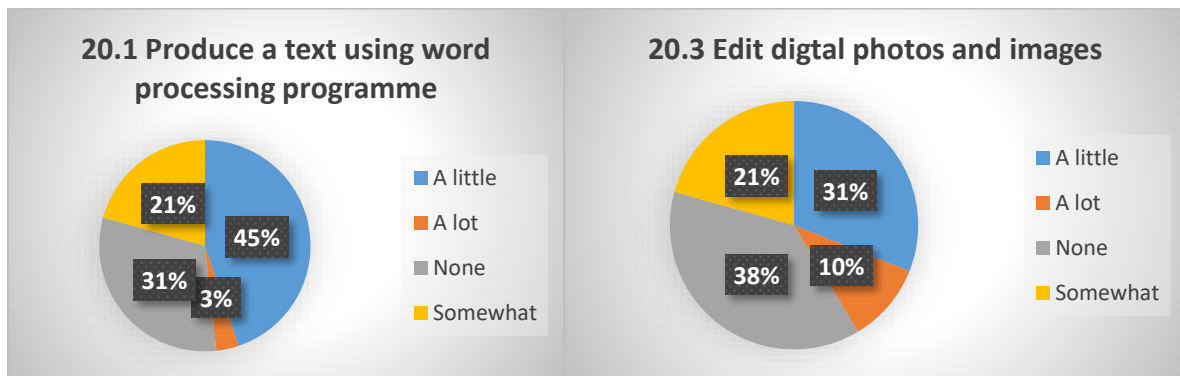


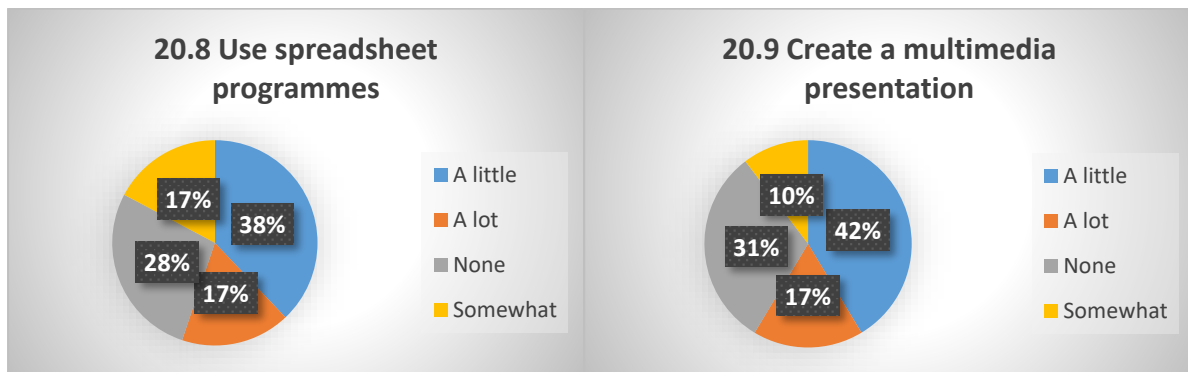
E-mailing students and teachers is not very popular between students. Students email teachers more than to other students. 38% have never emailed other students and 17% have never emailed a teacher. All teachers have an e-mail address provided for teachers so it makes easy for students to contact any subject teacher. The same number of students (24%) email other students sometimes or occasionally. 41% of students email teachers sometimes and 28% do it occasionally. We know that some students prefer Facebook or WhatsApp for communication with their peers and teachers.



Students at Tukums Evening and Distance Learning Secondary School are not digitally clever as

- Only 3% are very confident in producing texts, only 10% are confident in editing photos and images and creating a database, only 17% are good at creating presentations and using spreadsheets, 7% are good at creating online questionnaires.
- The number of students who have some skills is bigger in all categories comparing to those very confident ones (10-21%).
- There are big numbers of students who don't have any skills in producing texts(31%), editing digital photos and images (38%), creating a database (52%), creating questionnaires online (55%), using spreadsheets (28%), and creating multimedia presentation (31%).





ICT skills for life and entertainment

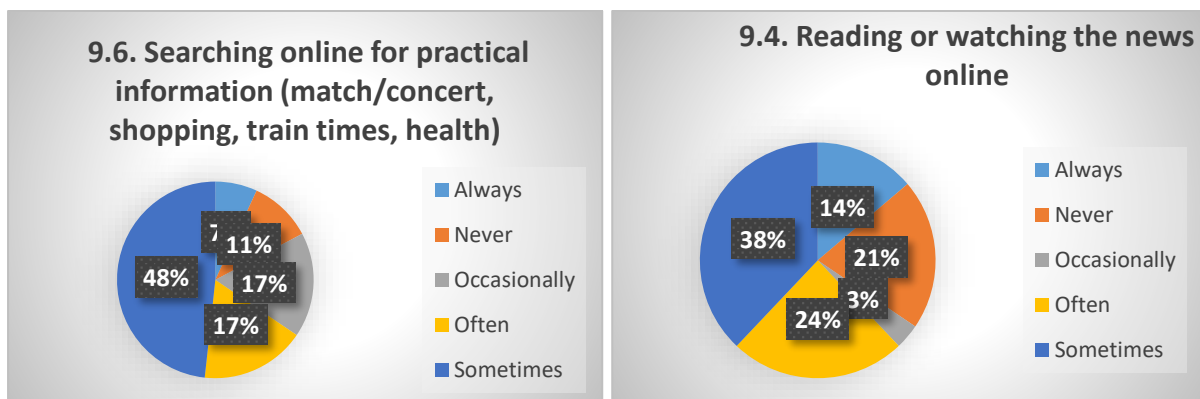
If we analyse students ICT skills for finding the necessary information we can say that there are students who never search practical information online (11%), who never learn about a particular topic online (10%), who never read or watch news online (21%), who never watch videos or download music or games (14%).

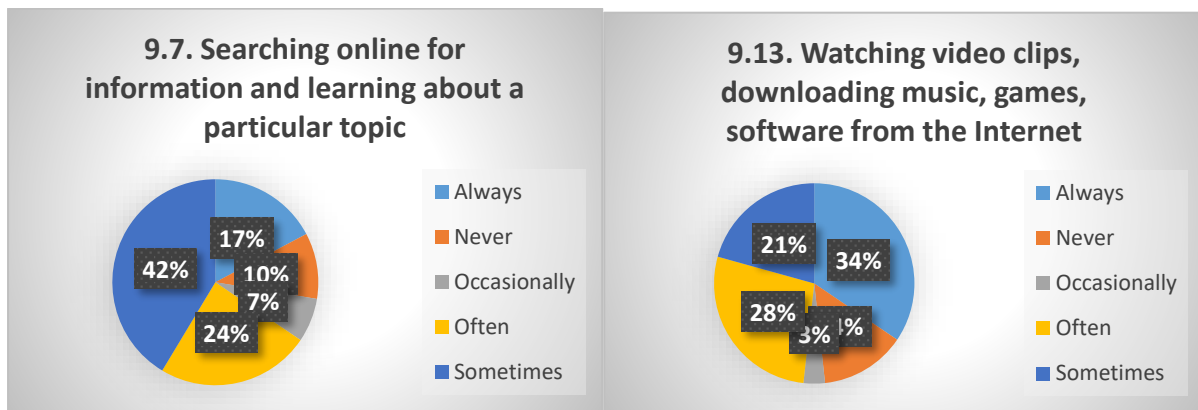
48% of students sometimes search online for practical information.

42% of students sometimes learn about particular topic online.

38% of students sometimes read or watch news online.

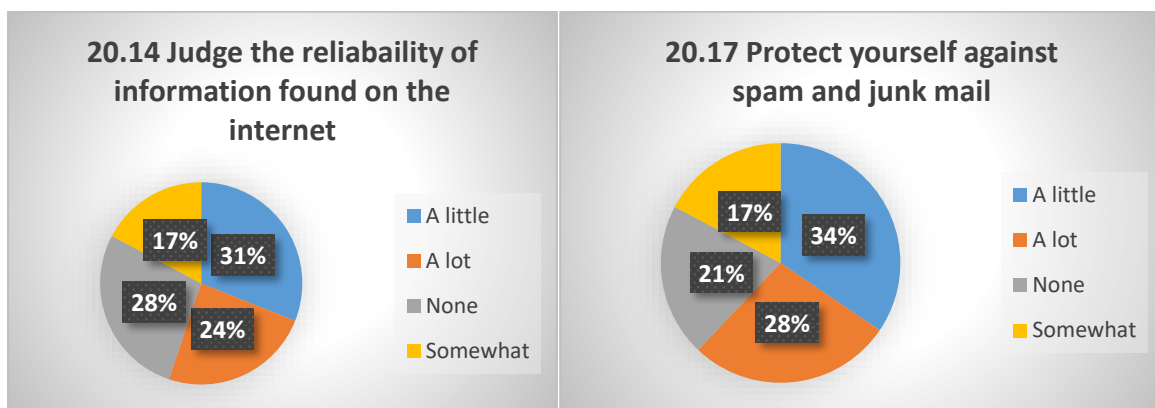
34% of students always watch videos or download music or games online.





Only 24% are completely aware about the reliability of the information on the internet. 28% never judge about the reliability.

Only 28% know a lot how to protect themselves against spam and junk mail, 21% of students have no knowledge about that.



RECOMMENDATIONS

As there are big numbers of students who don't have any skills needed for studies and future career (28-55% in all categories), greater attention should be paid to general skills in ICT lessons and also other subject lessons where these skills should be integrated.

Greater attention should be paid to using internet safely.

Participation in ICT training has to be compulsory for all teachers in Tukums Evening and Distance Learning Secondary School because digital skills are not on a very high level. New skills and competences are needed to update and modernise materials and resources on Moodle and to use digital skills in preparing lessons.