



**Estonian edu-system - sunny days and
black clouds on the horizon**

**Estoński system edukacji -
słoneczne dni z chmurami na horyzoncie**

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Toskainen













to protect and organize exhibition of
buildings and local heritage



The Association of Estonian Manor Schools



ÜLDHARIDUS

Aga kas sa siis e-kirja ei lugenud!

30. sept. 2016 Kristi Aron Kunda ühigümnaasiumi inglise keele õpetaja - 1 kommentaar

Uudised
Arvamus
Üldharidus
Tugiharidus
Alusharidus
Kutseharidus
Kõrgharidus
Inimene
Päevakorral
Varia
Erilehed

Peasae

Töökululused

Pakun tööd

Otsin tööd

Küsitlus

Kui tihti käite oma klassiga kontserdil?

- ☐ Kord aastas
- ☐ Paar korda aastas
- ☐ Pea iga kuu
- ☐ Muusikud käivad meil koolis esinemas
- ☐ Seni pole käinud, aga plaanis on minna
- ☐ Ei ole käinud ega



Kogenud õpetajat võib oodata uues koolis ees palju üllatusi.
Illustratsioon: Toomas Mitt

Õpetajate Leht, nr. 9, 7 märts 2014 [Valjaanne PDF \(32.29 MB\)](#)



Otsin tööd



On õpetajaid erinevaid meie koolis

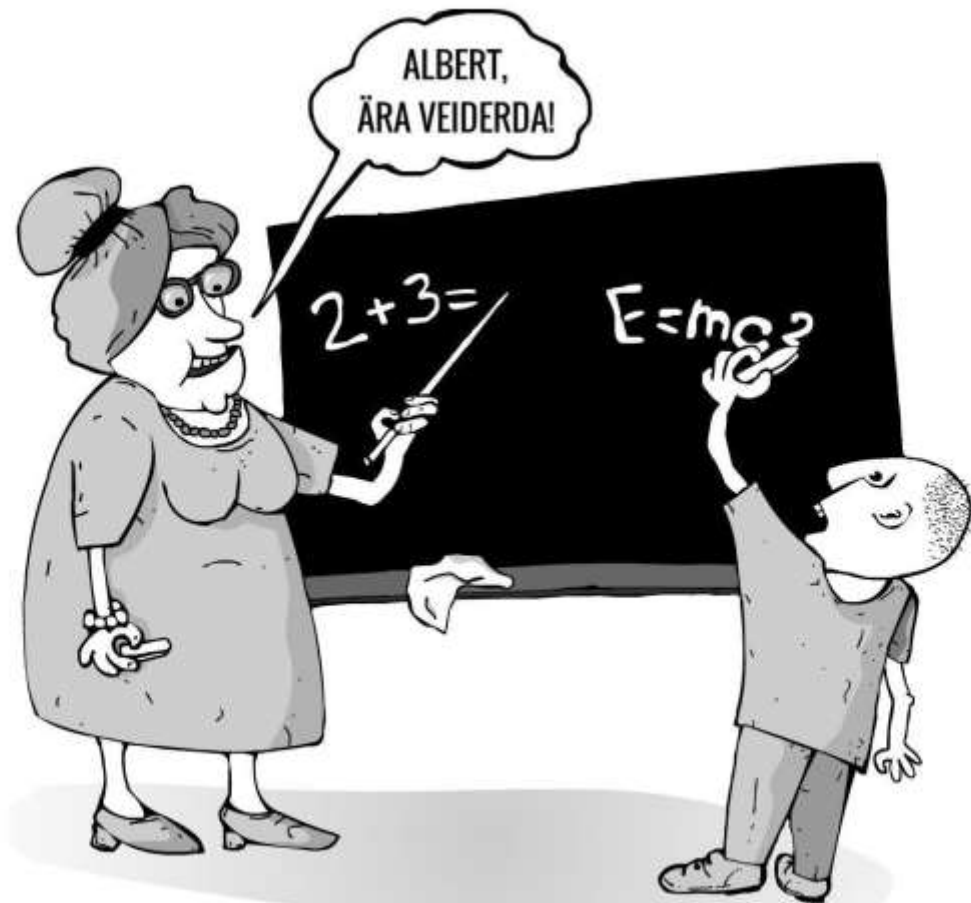
Illustratsioon: Toomas Mitt

Open book

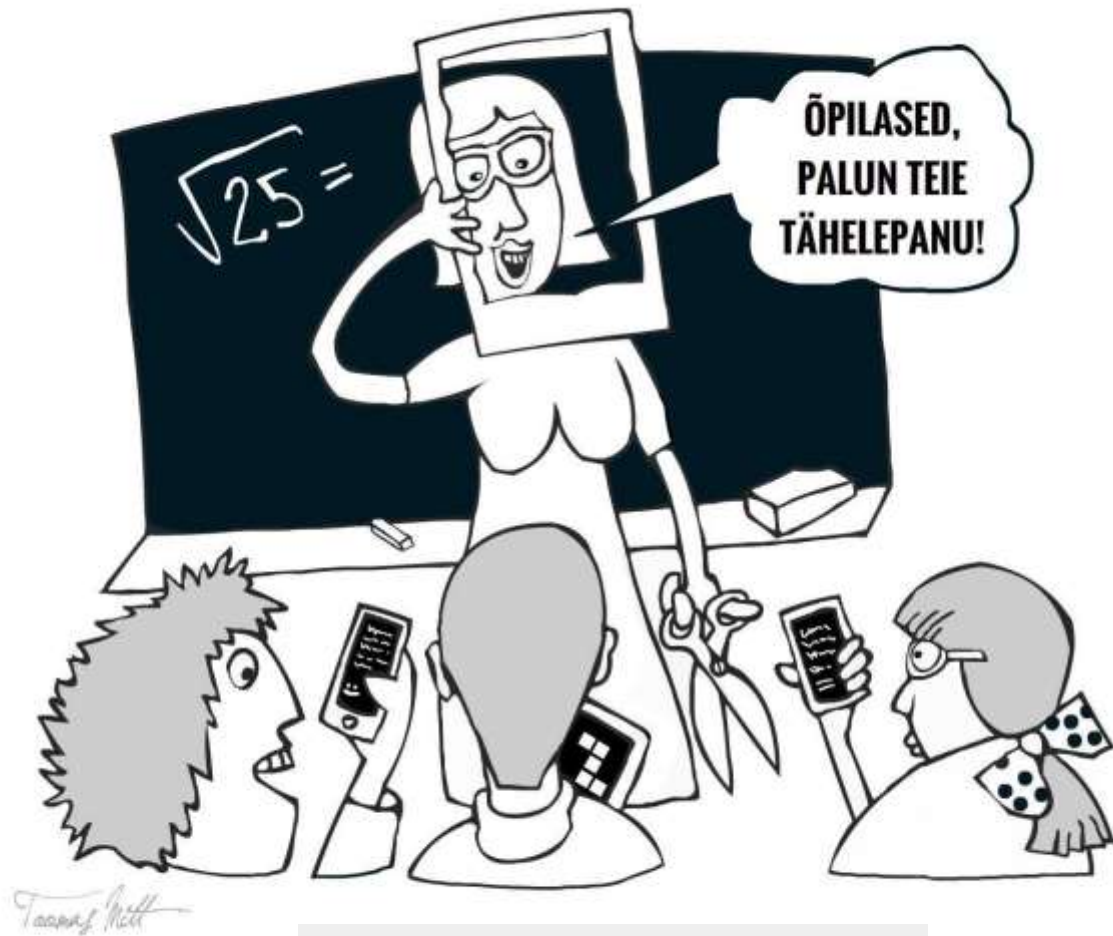
- OJN
- OBL

15. dec. 2017 The K2/kyjagaaTQ with status: kolonni language - Comment: add





Albert nie wariuj!



Proszę o uwagę!!!

Estonian edu-system - sunny days and black clouds on the horizon

Estoński system edukacji - słoneczne dni z chmurami na horyzoncie

education
nation 



#1

in financial literacy, PISA 2018



Every 10th

student sets out to study IT every year



#1

in digital learning, CEPS 2019



95%

schools using e-diaries

Education Estonia is an initiative for international education cooperation by the Government of Estonia.

<https://www.educationestonia.org/>

Press release: Singapore tops latest OECD PISA global education survey

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Volume II: Policies and Practices for Successful Schools

[English](#)

PISA 2015 Results in Focus

[English](#) | [French](#) | [Spanish](#)

Country-specific overviews

[Brazil](#) [English](#) | [Portuguese](#)

[Colombia](#) [English](#)

[France](#) [French](#)

[Germany](#) [English](#) | [German](#)

[Indonesia](#) [English](#)

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[Sweden](#) [English](#)

[United Kingdom](#) [English](#)

[United States](#) [English](#)

[US \(Massachusetts\)](#) [English](#)

Profiles of 3 high performers

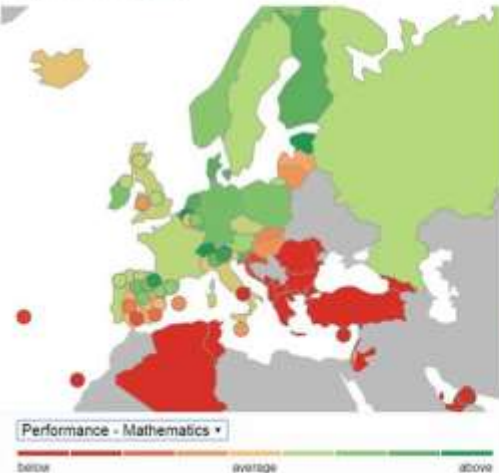
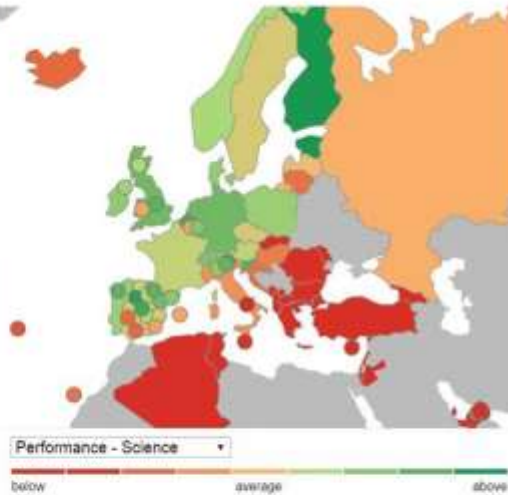
[China](#)

[Estonia](#)

[Singapore](#)

See also the report:

[Education in China: A Snapshot](#)



PISA 2015 results: Singapore outperforms all other participating countries/economies in science. Japan, **Estonia, Finland** and Canada, in descending order of mean science performance, are the **four highest performing OECD countries**

PISA 2015

Slope Face Investigation
Question 1-1

Refer to "Task Collection" on the right. Type your answer to the question.

Investigating the difference in regression from one slope to the other, why did the students choose two of each instrument on each slope?

SLOPE FACE INVESTIGATION
Data Collection

The students place one of each of the following three instruments on each slope, so that the slope is visible.

- Solar radiation sensor:** measures the amount of sunlight, in megawatts per square metre (MW/m²).
- Solar radiation sensor:** measures the amount of solar radiation as a percentage of a slope's tilt.
- Solar sensor:** measures the amount of solar radiation in a slope's tilt.

Slope A **Slope B**

Full Credit

The student gives an explanation that identifies a scientific advantage of using more than one measurement instrument on each slope, e.g. correcting for variation of conditions within a slope, increasing the precision of measurement for each slope.

- So they could determine whether a difference between slopes is significant.
- Because there is likely to be variation within a slope.
- To increase the precision of the measurement for each slope.
- The data will be more accurate.
- In case one of the two malfunctions.
- To compare different amounts of sun on a slope.

PISA 2018

Lehmapiim
Küsimus 2 / 9

Toetu materjalile „Piimatööstus Talust Turule“ paremal. Küsimusele vastamiseks klõpsa ühte vastusevarianti.

Mis on selle teksti peamine eesmärk?

- Vaita, et piimatooted soodustavad kaalu langetamist.
- Võrrelda piimatööstuse Talust Turule piimatooted teiste piimatoodetega.
- Teavitada avalikkust südamehaigustega seotud ohtudest.
- Toetada piimatööstuse Talust Turule toodete tarbimist.

Talust Turule
www.piimtalustturule.ee

PIIMATÖÖSTUS TALUST TURULE

Meist Tooted Toitumisteave

Piima toiteväärtus: lugematud eelised!

Piimatööstuse Talust Turule piimatooted sisaldavad põhitolaineid, nagu kaltsiumi, D-vitamiini, B12-vitamiini, riboflaviini ja kaaliumi. Need vitamiinid ja mineraalained teevad piimatööstuse Talust Turule piimatoodetest tervisliku toitumise olulise osa. Piimatööstuse Talust Turule piimatoodete igapäevane tarbimine on suurepärase viisi kindlustada, et keha saab kätte kõik vitamiinid ja mineraalained, mida vajab.

Piimatööstuse Talust Turule piimatoodete tarbimine soodustab kaalu langetamist ja eelle hoidmist tervislikul tasemel. Oim eimandish loorile tundaist isihardust. Tä



Top ten countries in Europe in PISA 2018

	Reading		Maths		Science	
1	Estonia	523	Estonia	523	Estonia	530
2	Finland	520	Holland	519	Finland	522
3	Ireland	518	Poland	516	Poland	511
4	Poland	512	Switzerland	515	Slovenia	507

PISA 2018 worldwide ranking

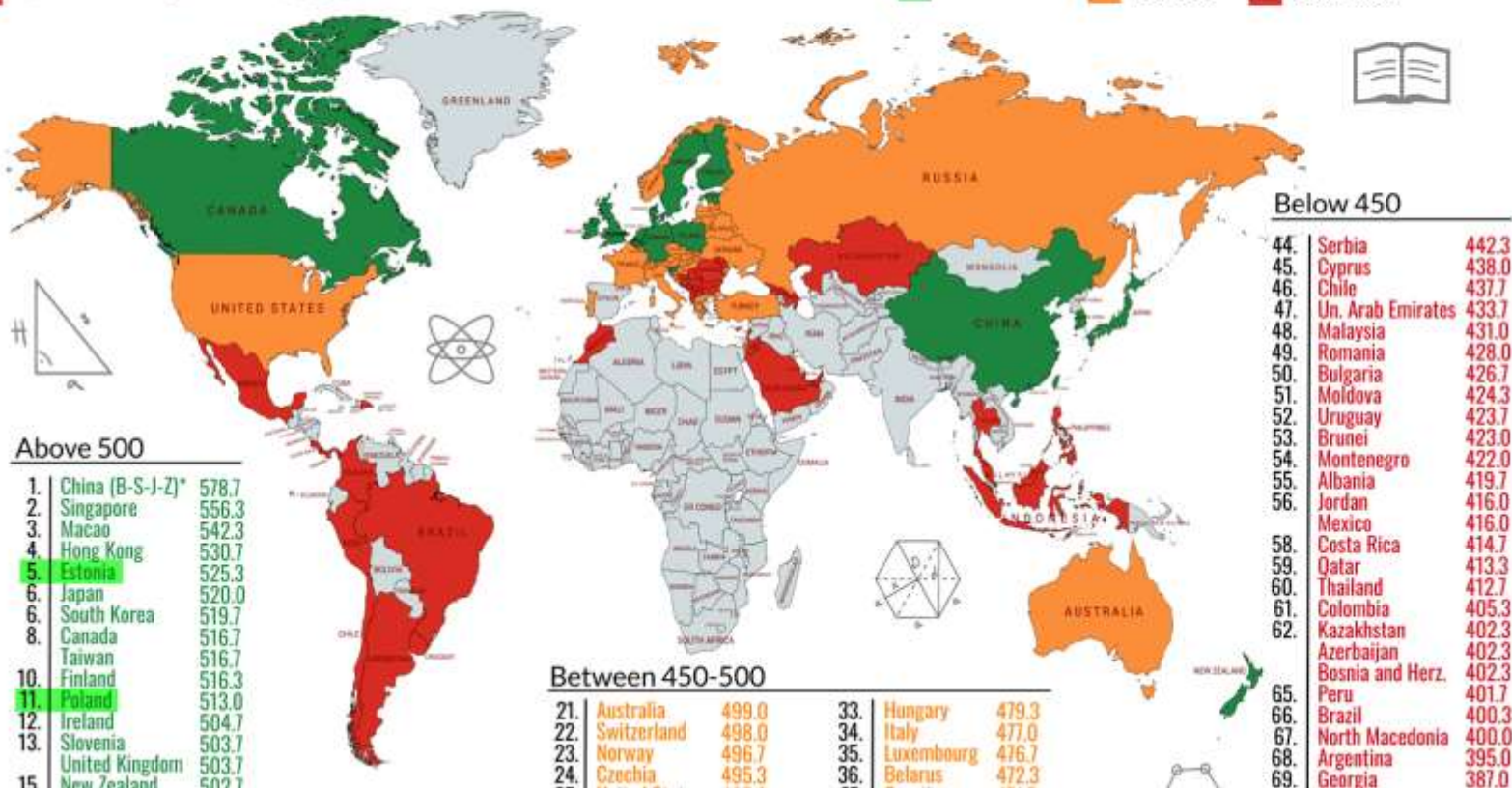
average score of math, science and reading

The Program for International Student Assessment (PISA) is a worldwide study by OECD in 78 nations of 15-year-old students' scholastic performance on mathematics, science and reading.

factsmaps.com

Source: OECD, 2018-2019

above 500 450-500 below 450

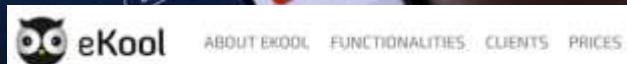
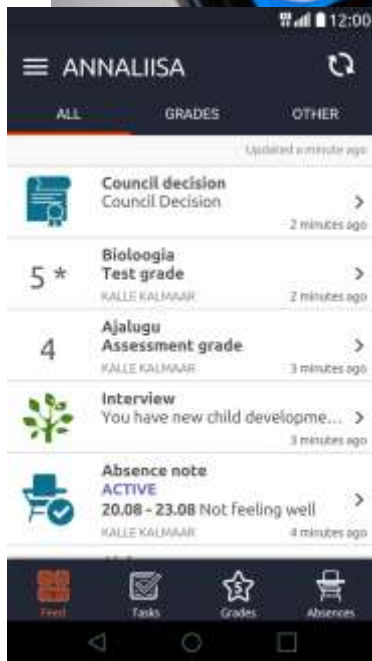


	Mean	Reading		Mean	Mathematics		Me an	Science
1	555	B-S-J-Z ¹ (China)	1	591	B-S-J-Z (China)	1	590	B-S-J-Z (China)
2	549	Singapore	2	569	Singapore	2	551	Singapore
3	525	Macau (China)	3	558	Macau (China)	3	544	Macau (China)
4	524	Hong Kong (China)	4	551	Hong Kong (China)	4	530	 Estonia
5	523	 Estonia	5	531	Taipei (China)	5	529	Japan
6	520	Canada	6	527	Japan	6	522	Finland
7	520	Finland	7	526	Korea	7	519	Korea
8	518	Ireland	8	523	 Estonia	8	518	Canada
9	514	Korea	9	519	Holland	9	517	Hong Kong (China)
10	512	Poland 	10	516	Poland 	10	516	Taipei (China)
11	506	Sweden	11	515	Switzerland	11	511	Poland 



Roślina: "jestem chora i spragniona"

Nauczycielka: "Proszę dodaj kody programu rozwiązujące problemy rośliny"

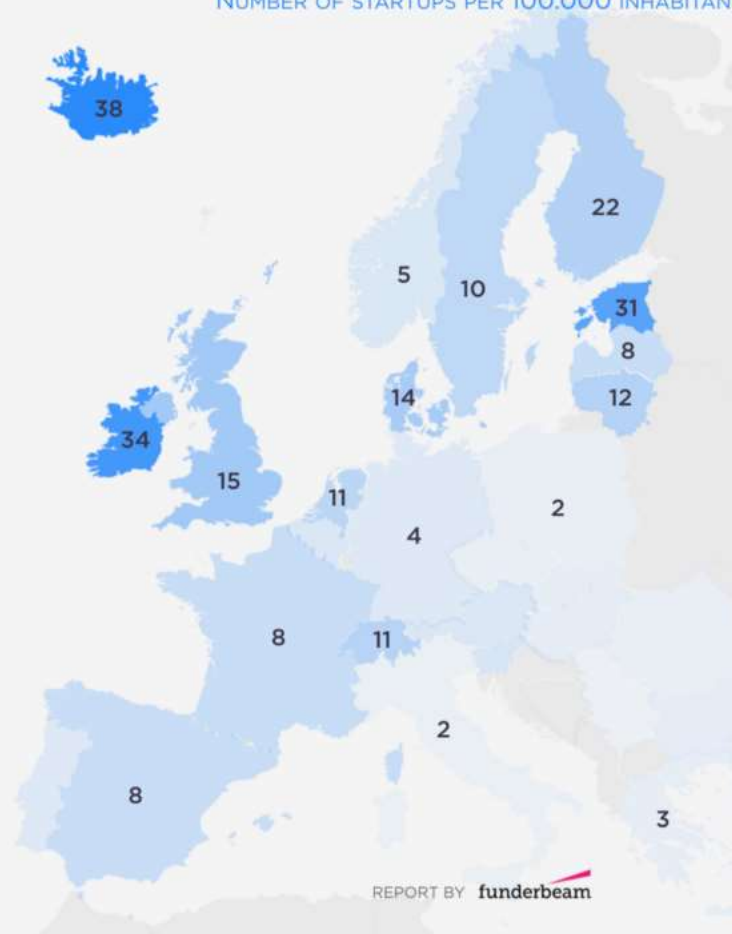


eKool is a school management tool bringing together pupils and their families, schools and supervisory bodies.

eKool supports better learning for the pupil, parents are better aware of their children's progress and the authorities have a good overview of what goes on in schools under their management.

STARTUPS PER CAPITA

NUMBER OF STARTUPS PER 100,000 INHABITANTS



skype™

44%

of Estonians use i-Voting

99%

of public services online 24/7

our highest ratings

#1

OECD
tax competitiveness

#1

WORLD
ECONOMIC FORUM
Entrepreneurship

#1

BARCLAYS 2016
Digital Development
Index

#12

WORLD BANK
Global Ease of Doing
Business ranking

#1

EUROPEAN COMMISSION
EU Digital Economy and
Society Index, Public Services

#2

FREEDOM HOUSE
Internet Freedom

#1

GLOBAL IT REPORT
Mobile Network Coverage

#9

FREEDOM HOUSE
Index of Economic
Freedom



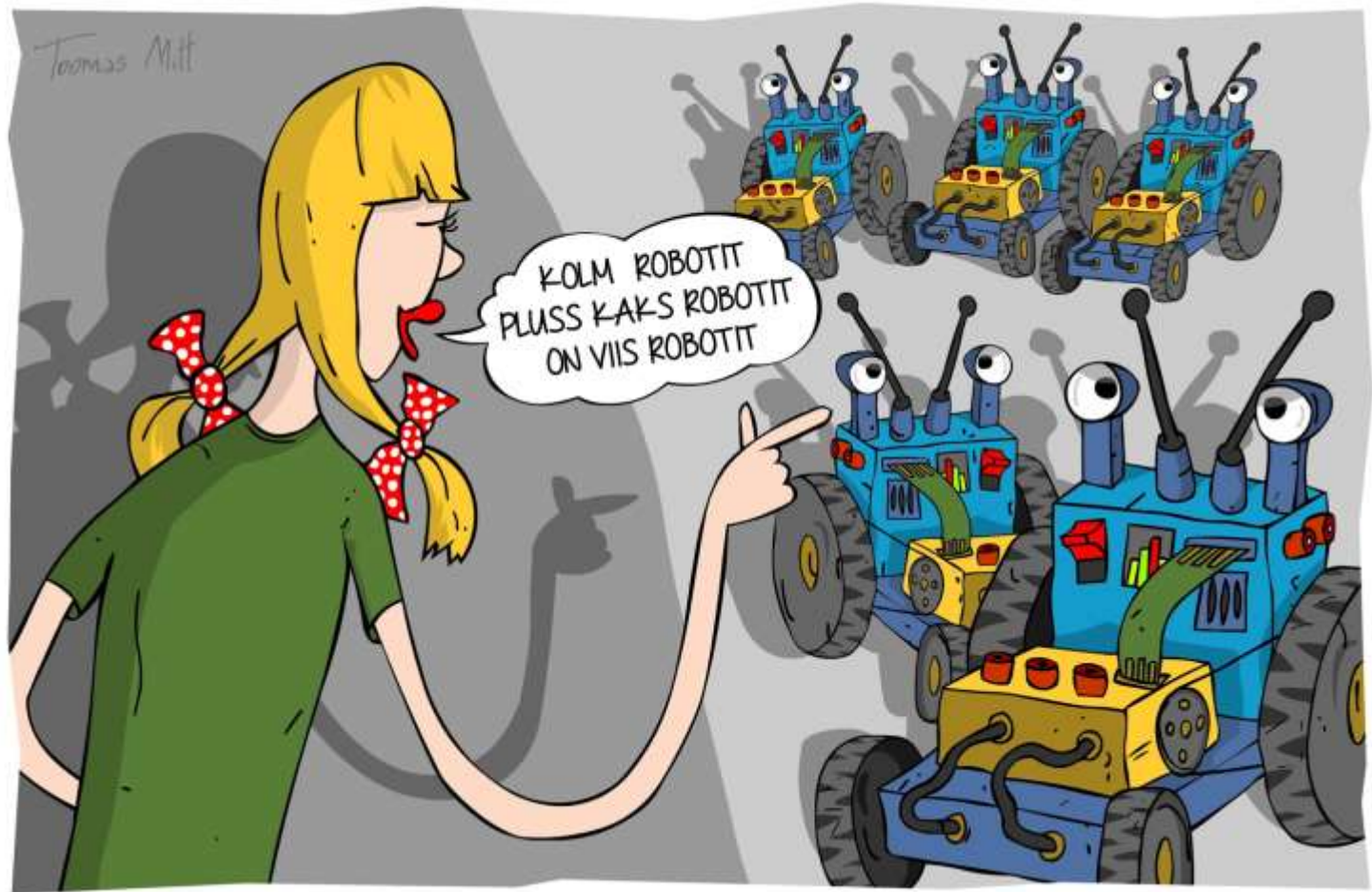
The new digital nation





“Cyfrowy długopis - kto jest najmądrzejszy na świecie?”

“Wikipedia Janku!”



"3 roboty + 2 roboty = 5 robotów"
(uczniowie nawet nie potrafią liczyć, a już programują)



tulevik kukkus sülle

“Ok, wszystko działa! Mogę zacząć nauczanie zdalne.”



**"Wstawaj informatyczna generacja, twoje lekcje on-line zaczynają się za 15 minut."
"Zamknij się aplikacja! Dzisiaj mam dzień wolny od ekranów"**



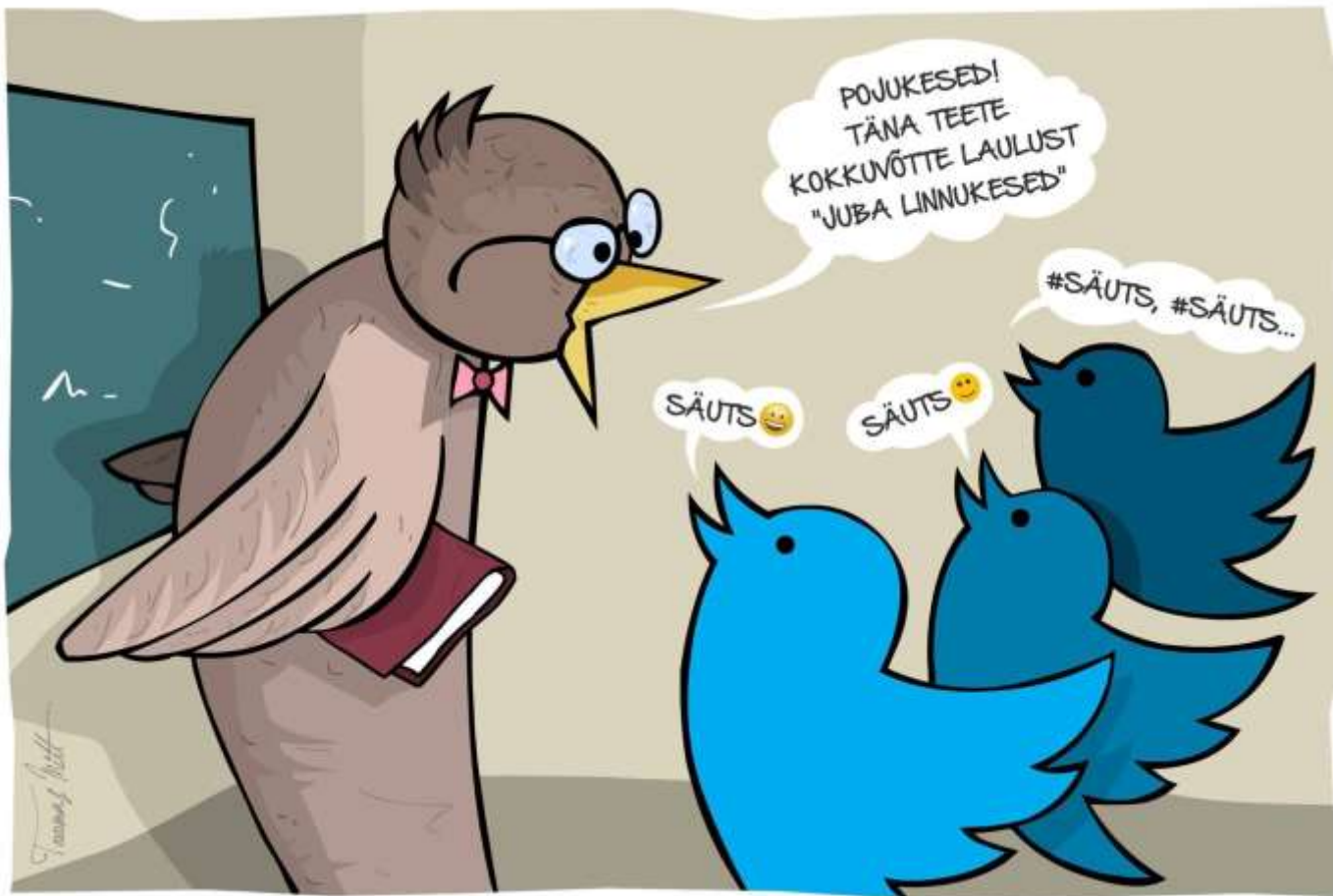
“Masz 5 minut, żeby uratować swoją komórkę przed atakiem kwasowym”



"Nie rób sobie żartów z poważnych rzeczy"
" Proszę pani to nie jest na prawdę, to tylko wirtualny żart"



“Ok, wszystkie lekcje odrobione, teraz mogę zająć się Face Book'iem”



"Moje drogie dzisiaj śpiewamy ptasią piosenkę"
"Tweet!" "Tweet!" "Tweet!"

Top 10 skills of 2025



Type of skill

- Problem-solving
- Self-management
- Working with people
- Technology use and development

Source: Future of Jobs Report 2020, World Economic Forum.

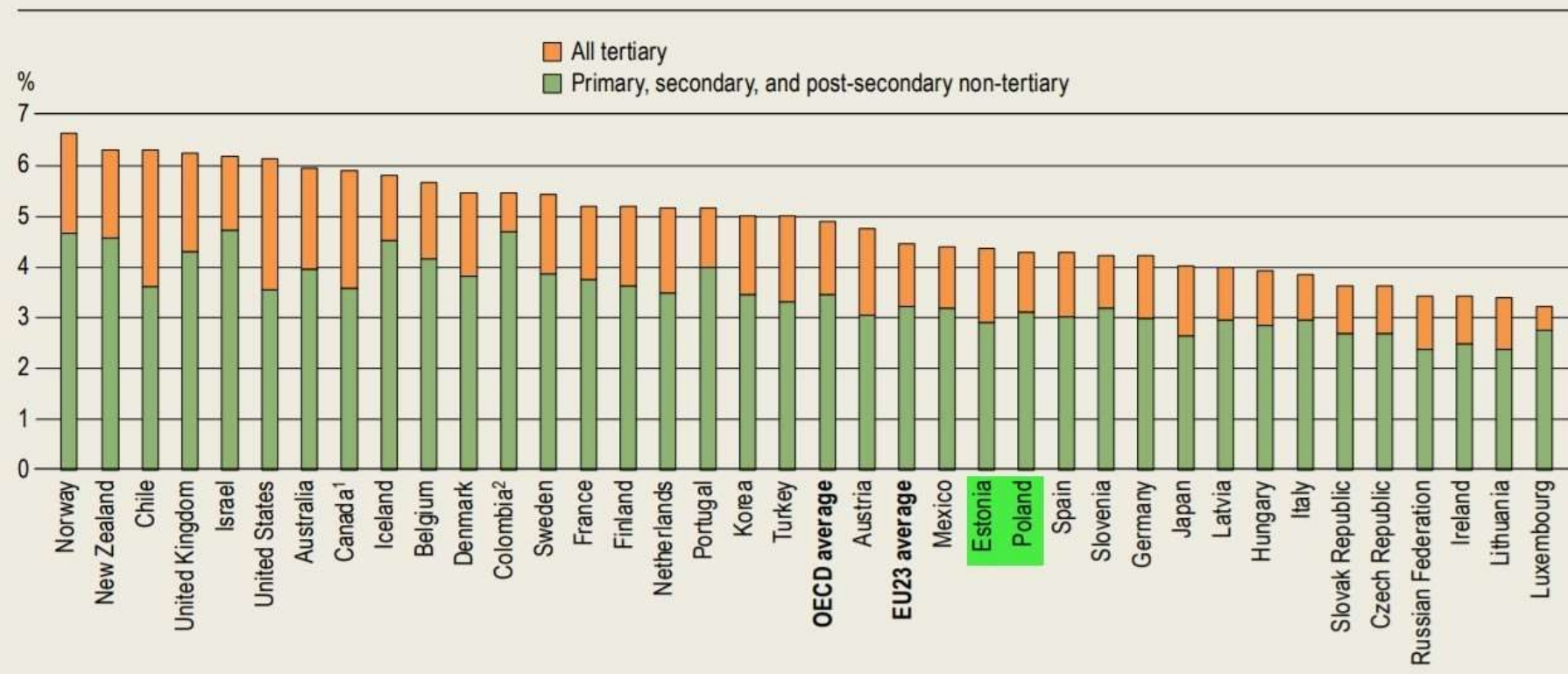
15 Fastest-Growing Occupations From 2018 to 2028



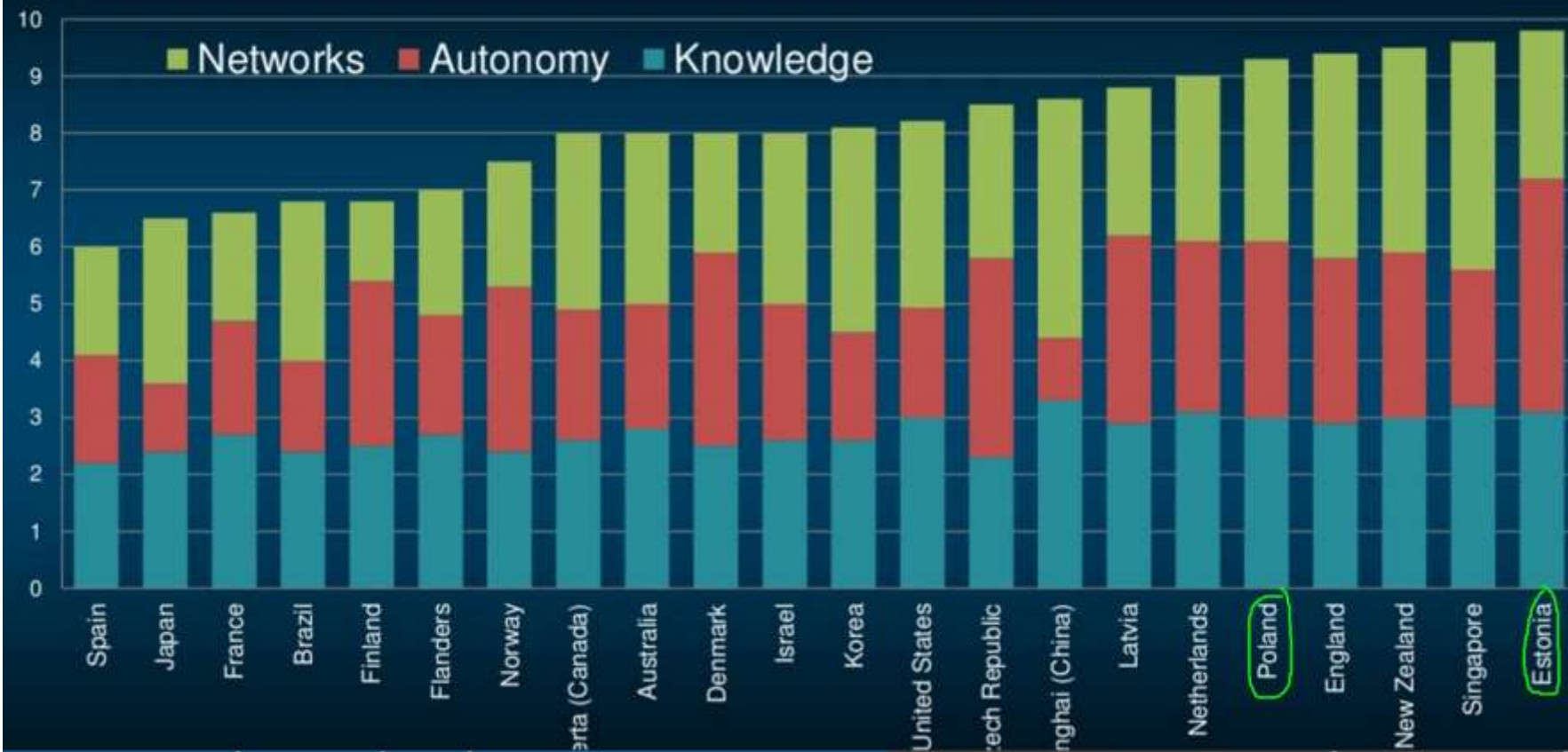
Source: U.S. Bureau of Labor Statistics, Employment Projections, 2018-2028.

Figure C2.1. Total expenditure on educational institutions as a percentage of GDP (2017)

From public, private and international sources, by level of education



TALIS Teacher professionalism index





Drogi nauczycielu! Czy jesteś gotowy do współpracy pionowej?
Drogi dyrektorze dzisiaj mam straszny ból głowy, mogę pracować tylko w pozycji horyzontalnej.



“Dlaczego jesteś spóźniona?”
“W szkole nie można biegać”





**TEACHERS
SALARY**

Lower Secondary Teacher Statutory Salaries Around the World

Starting salary Salary after 15 years experience Top of scale salary

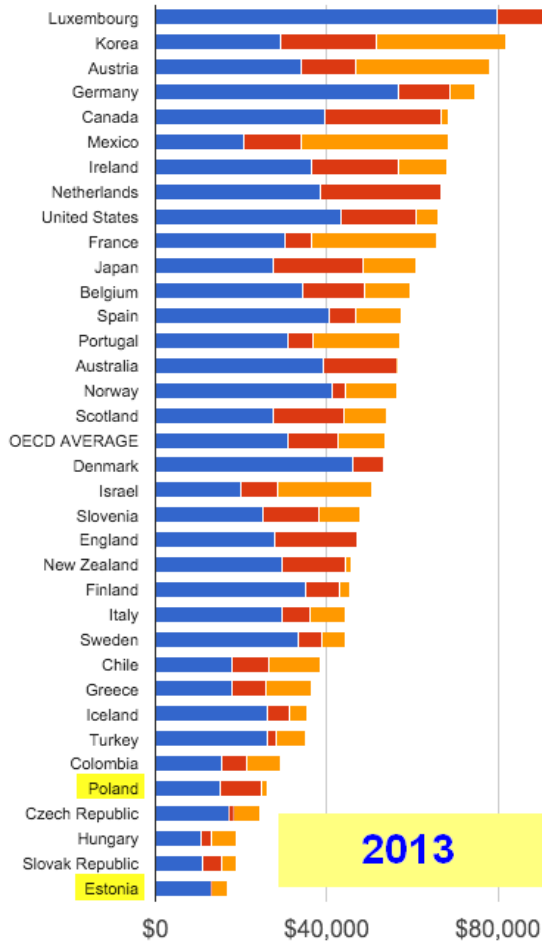
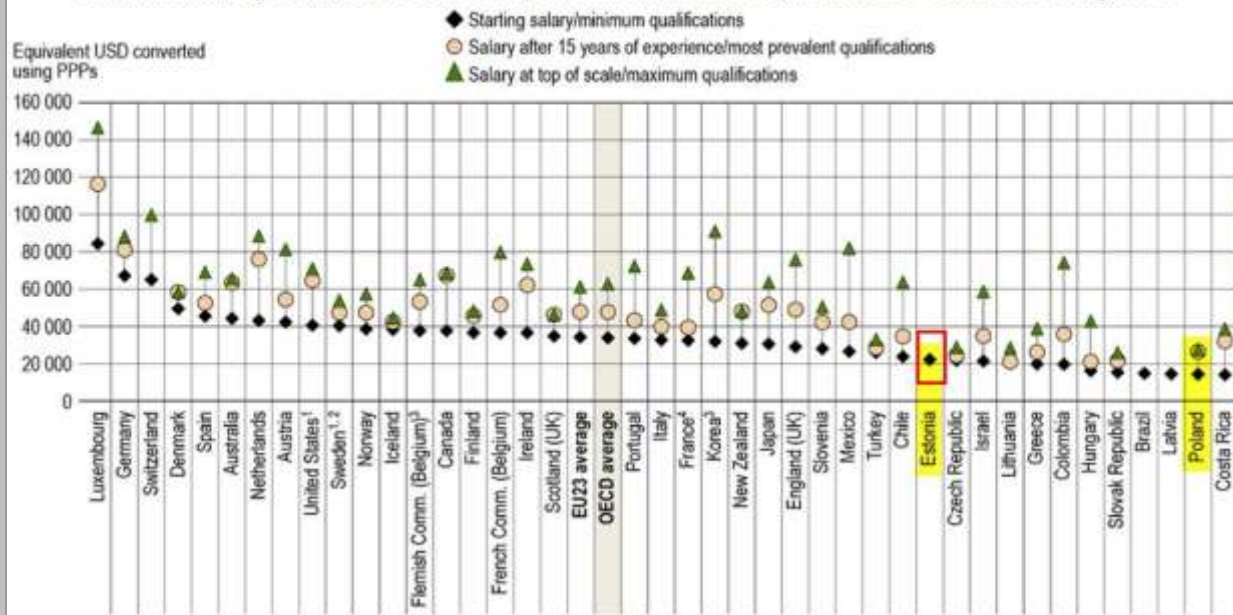


Figure D3.2. Lower secondary teachers' statutory salaries at different points in teachers' careers (2018)

Annual statutory salaries of teachers in public institutions, in equivalent USD converted using PPPs

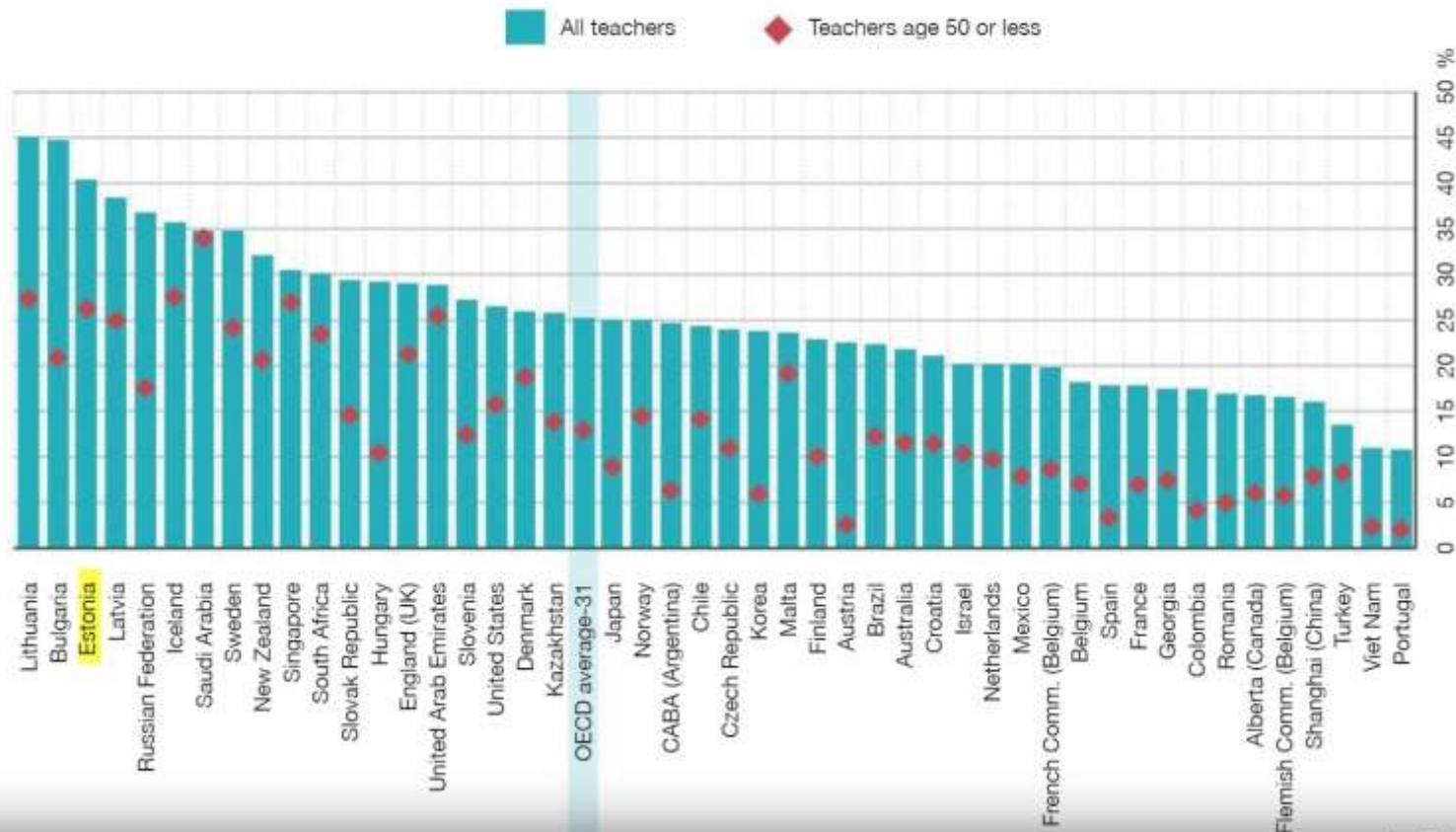


<https://www.oecd-ilibrary.org/sites/d39d7757-en/index.html?itemId=/content/component/d39d7757-en>

<https://estonianworld.com/opinion/estonia-where-have-all-the-teachers-gone/>

Figure 13. Teachers' wanting to leave teaching within the next five years

Percentage of lower secondary teachers wanting to leave teaching within the next 5 years

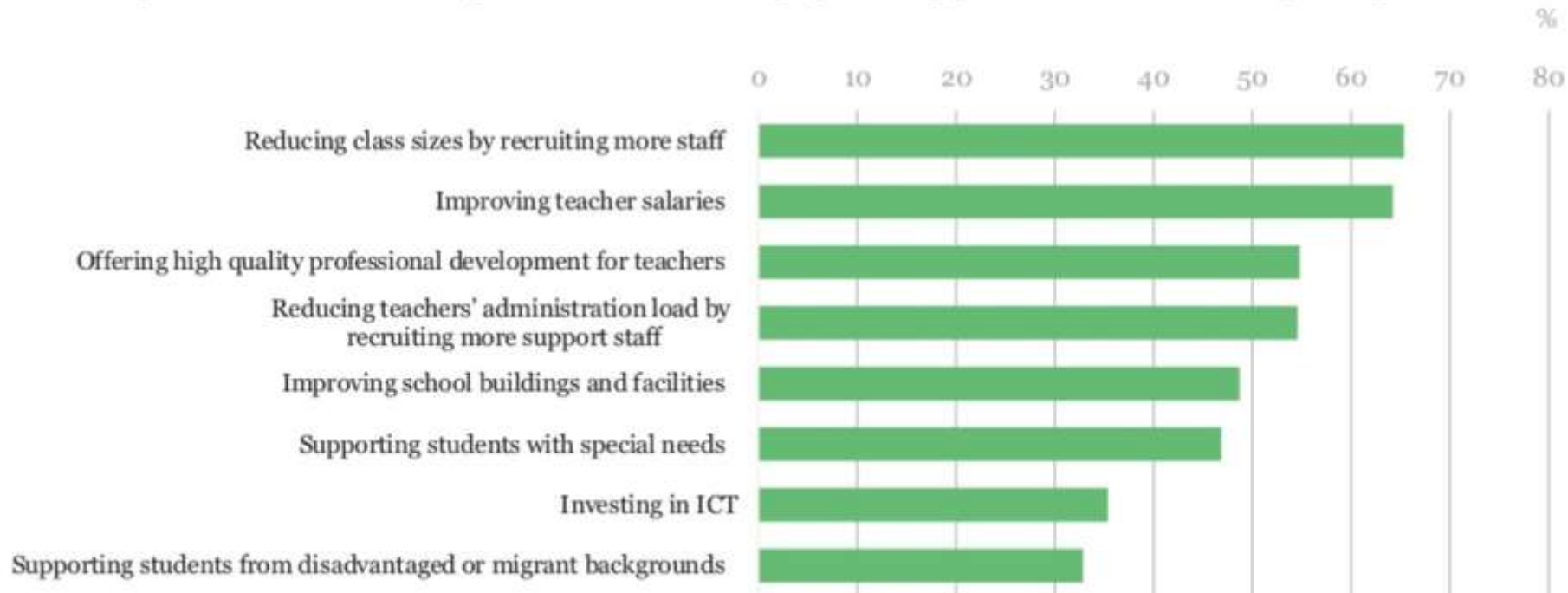




Teachers' views on spending priorities



Percentage of teachers who reported the following spending priorities to be of “high importance”



35 h



55 h

1315 €

1450 €

2000 €

21AT = 1800 bruto, +250KLJUH, +sõit,
+spordiklubi, +korter vastvalmivas majas

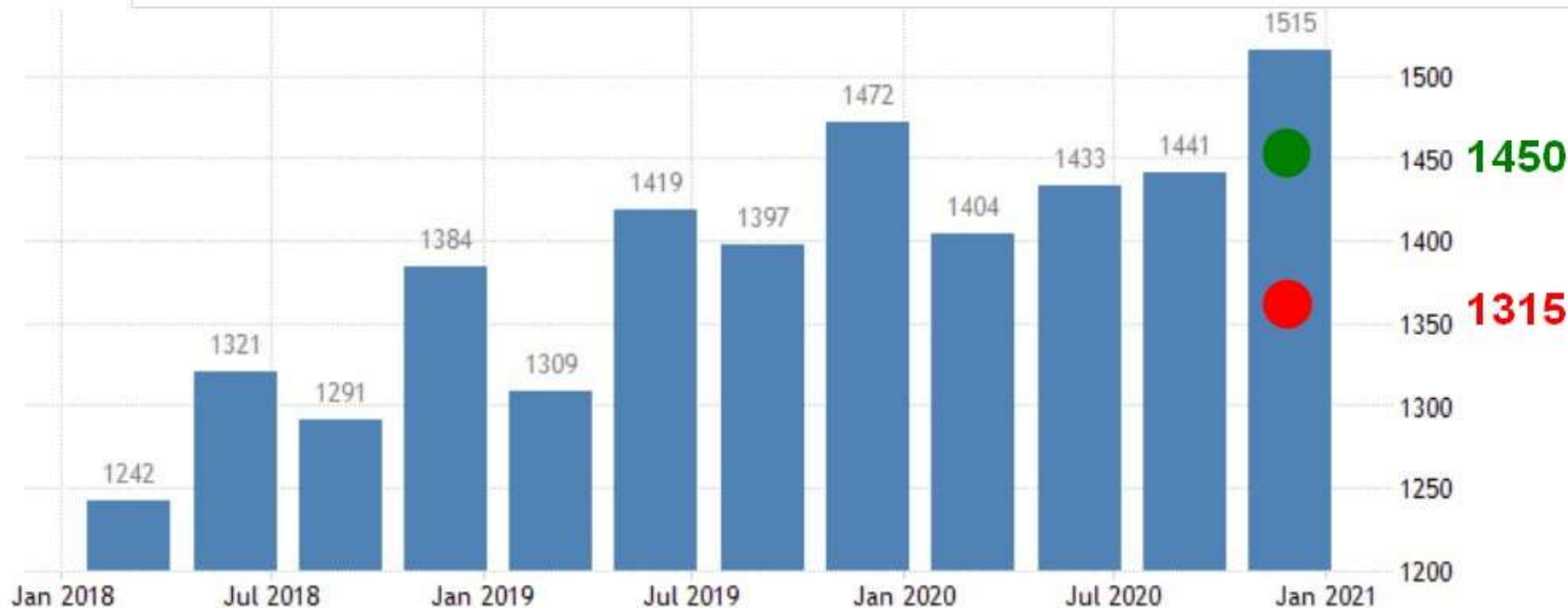
contact lessons:



20-24 *or* 30-35?

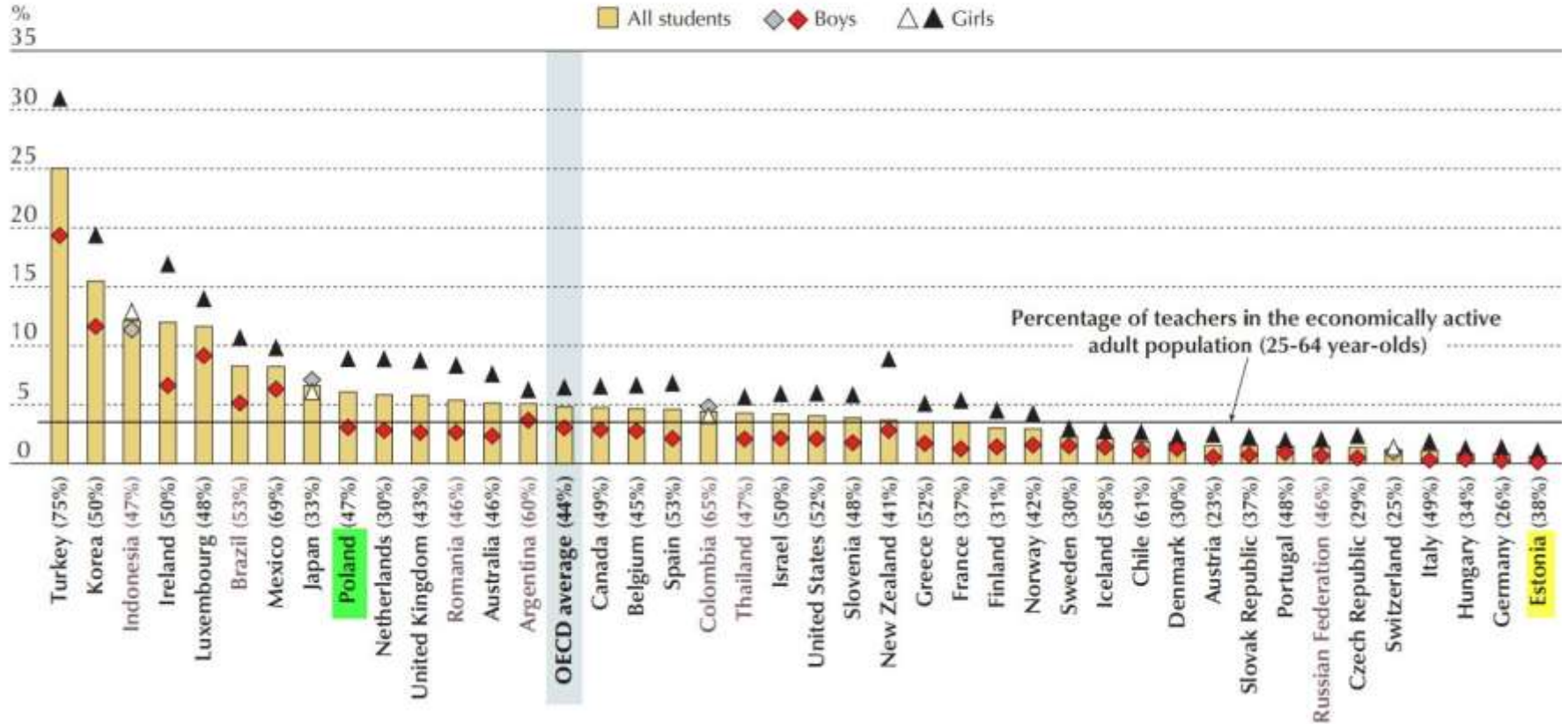
Estonia Average Monthly Gross Wages 1991-2020 Data | 2021-2023 Forecast | Historical

Summary [Forecast](#) [Stats](#) [Download ▾](#)



Teaching is not a very attractive career choice for most students

Percentage of 15-year-old boys and girls who plan to work in the teaching profession, by gender





“Wysypałem trochę smakołyków na przynętę, może uda mi się złowić nauczyciela”

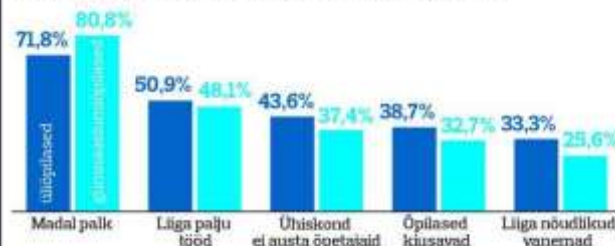


Toomas Mutt

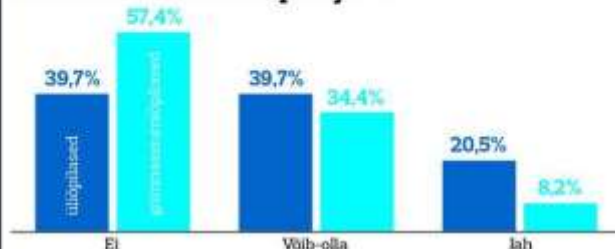
Õpetajakoolitus kaotab populaarsust

Statistikaameti andmetel on ülikoolides õpetajakutse omandanute hulk aasta-aastalt vähenenud. Noorte hoiakutest ja languse põhjustest annab ülevaate 819 vastanuga veebiküsitlus.

Miks noored ei soovi õppida õpetajaks

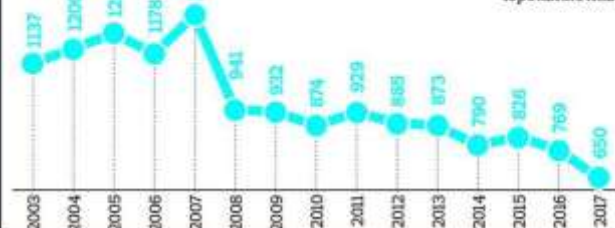


Kas Sa tahad saada õpetajaks?



Õpetajakoolitus kaotab populaarsust

haridus- ja õpetajakoolitusvaldkonna lõpetanute hulk



Keegi on tüdrukule kõrva sosistanud, et tema on õige tüdruk siis, kui toimib koolis just nii, nagu õpilane peab. Ning keegi on sosistanud poisile, et tema on õige poiss siis, kui toimib koolis nii, nagu õpilane ei pea.

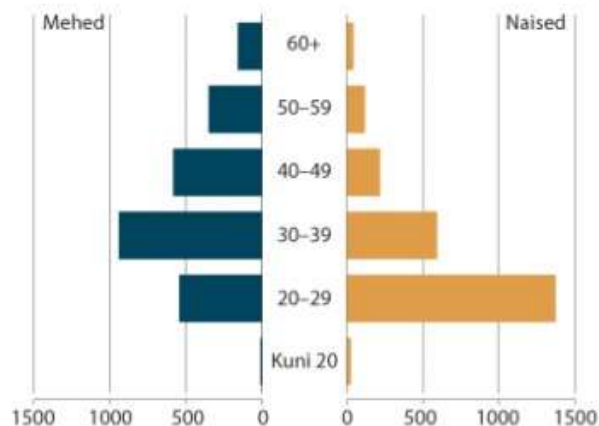
ILLUSTRATSIOON: TOOMAS MITT



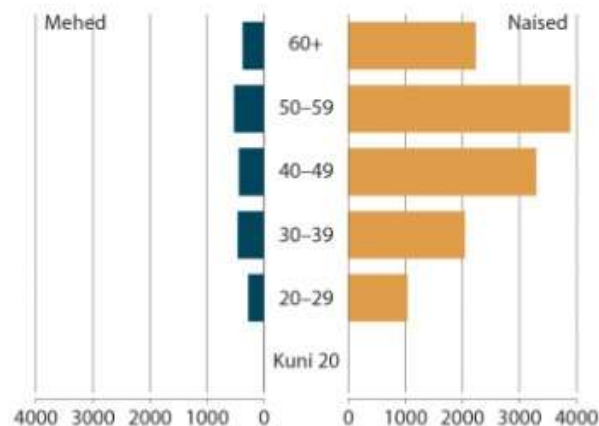
**“Drodzy członkowie partii, niedługo znów wybory.
Musimy przedyskutować co tym razem obiecamy nauczycielom”**

Üldhariduskoolide õpetajate soo-vanusjaotus

1922



2016



Kas teadsid, et sel õppeaastal on kuni
30-aastaste üldhariduskoolide
õpetajate seas koguni **22%** mehed?



"Chcesz cukierka?"



"Przytul mnie!"

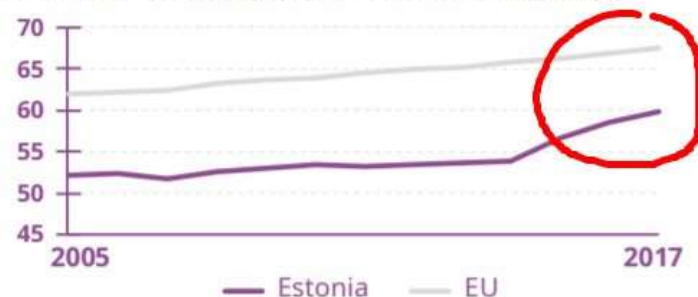
Gender Equality Index 2019: Estonia

With 59.8 out of 100 points, Estonia ranks 17th in the EU on the Gender Equality Index. Its score is 7.6 points lower than the EU's score. Between 2005 and 2017, Estonia's score increased by 7.6 points (+ 3.1 points since 2015). Estonia is progressing towards gender equality faster than other EU Member States. Its ranking has improved by four places since 2005.

Estonia's scores are lower than the EU's scores in all domains except in the domain of time, where Estonia ranks fifth in the EU. Gender inequalities are most pronounced in the domains of power (34.6 points) and knowledge (55.5 points). Estonia's highest score is in the domain of health (81.9 points), although this is one of the lowest scores in the EU (ranking 24th). Since 2005, Estonia's score has improved the most in the domains of power (+ 12.1 points) and money (+ 11 points). Progress has stalled in the domain of work (+ 0.5 points) and health (+ 0.9 points).

Between 2005 and 2017, Estonia improved its Index score, but it remained much lower than the EU's score in the same period. Estonia moved towards gender equality at a faster rate, decreasing its distance to the EU's score over time.

Estonia is advancing faster than the EU average

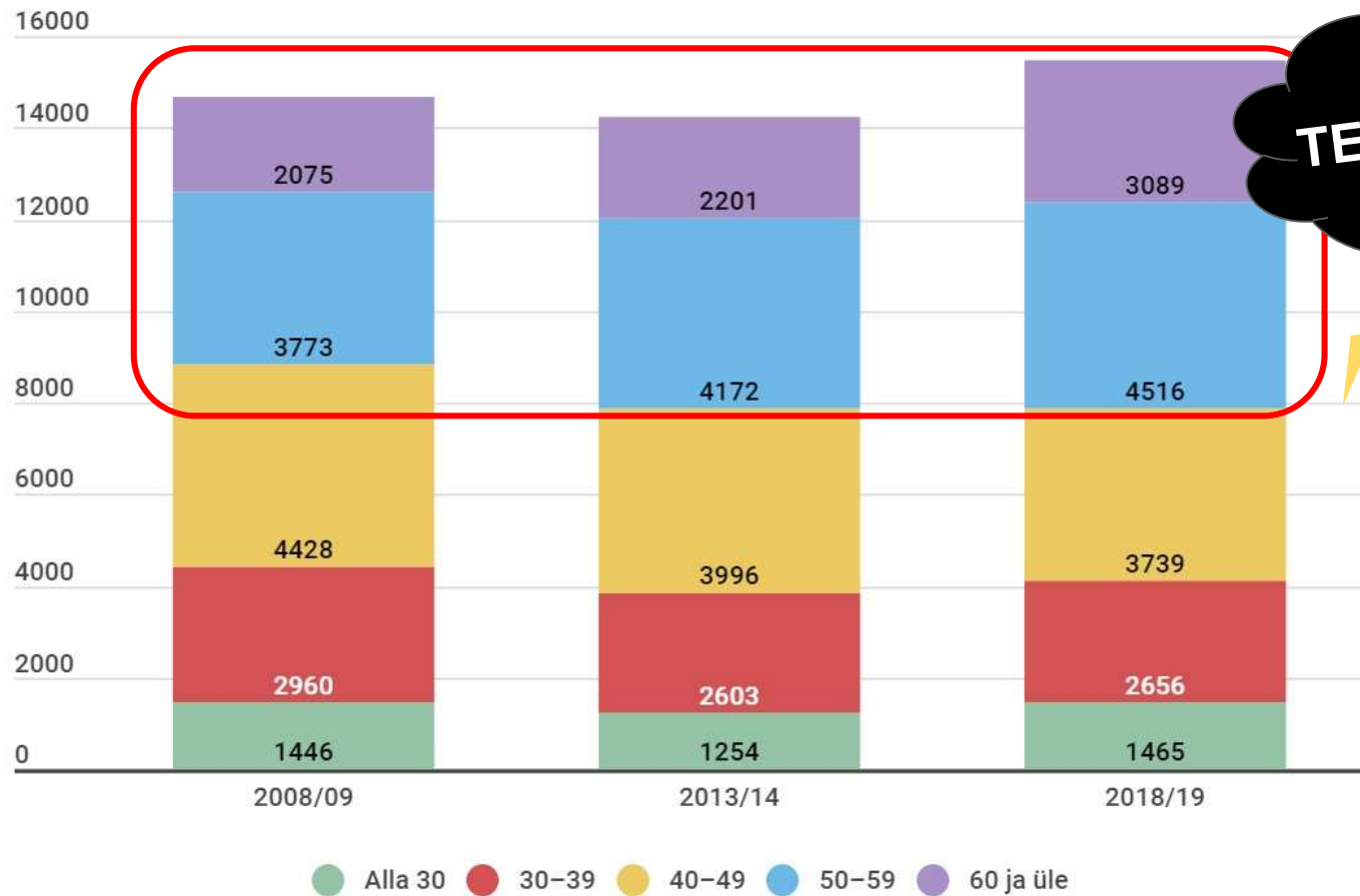




Tomas Melt



“O widzę, że jesteś gotowy na uczenie 6b”



TEACHERS AGE

Õpetajate vanus



Alla 30 a

15%



31-40 a

23%



41-50 a

21%



51-60 a

24%



Üle 60 a

17%



Alla 30 a

10%



31-40 a

17%



41-50 a

27%



51-60 a

30%



Üle 60 a

16%

TULEB!
TA TULEB!!!







“Panowie, przyszliście za późno. Cała szkoła już na nauczaniu zdalnym!”



“Moja droga żono! Nawet w biurze w domu musimy zachować dystans 2 metrów”



“Młodzieńcze czemu nie jesteś w szkole?”

“Nie mam czasu proszę pani za chwilę mam spotkanie na zoom z Cambridge.”



**“Obudź się Bruno już 8 rano, zaczynamy naukę zdalną!
Otwórz proszę książkę na stronie 7, zrobimy zadanie 14”**



“Musimy wysłać naszego tatę na kurs komputerowy inaczej nasz farma zbankrutuje!”



“Mamo muszę jeszcze tylko zrobić trzy poziomy w grze.”

“Drogi synu już zaczęła się szkoła i to dawno temu!”



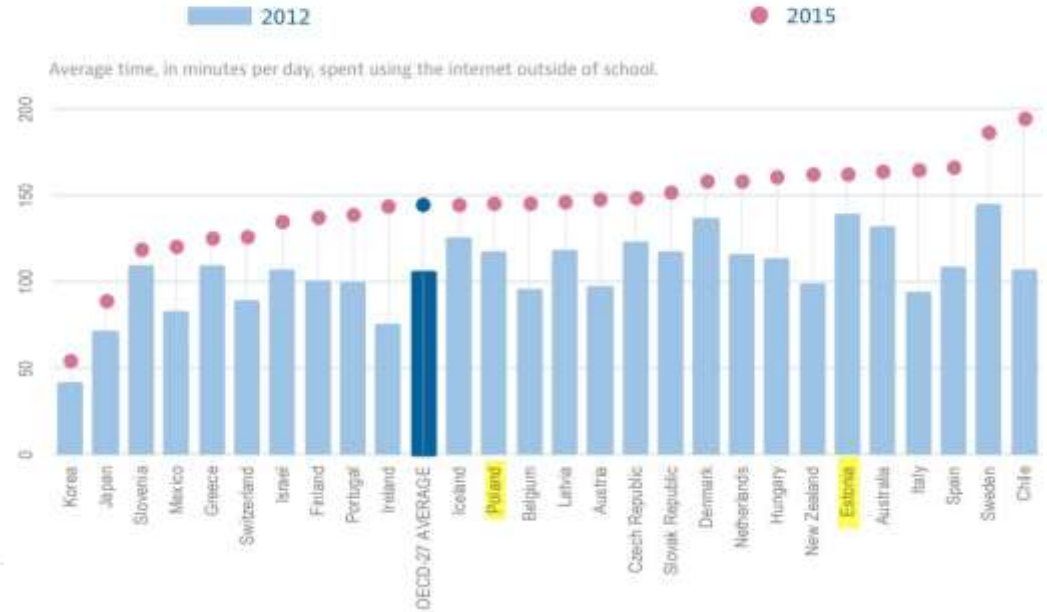
"Przyjdę i zrobię sama porządek w tej klasie!"
"Moja córka nie może się skoncentrować!"

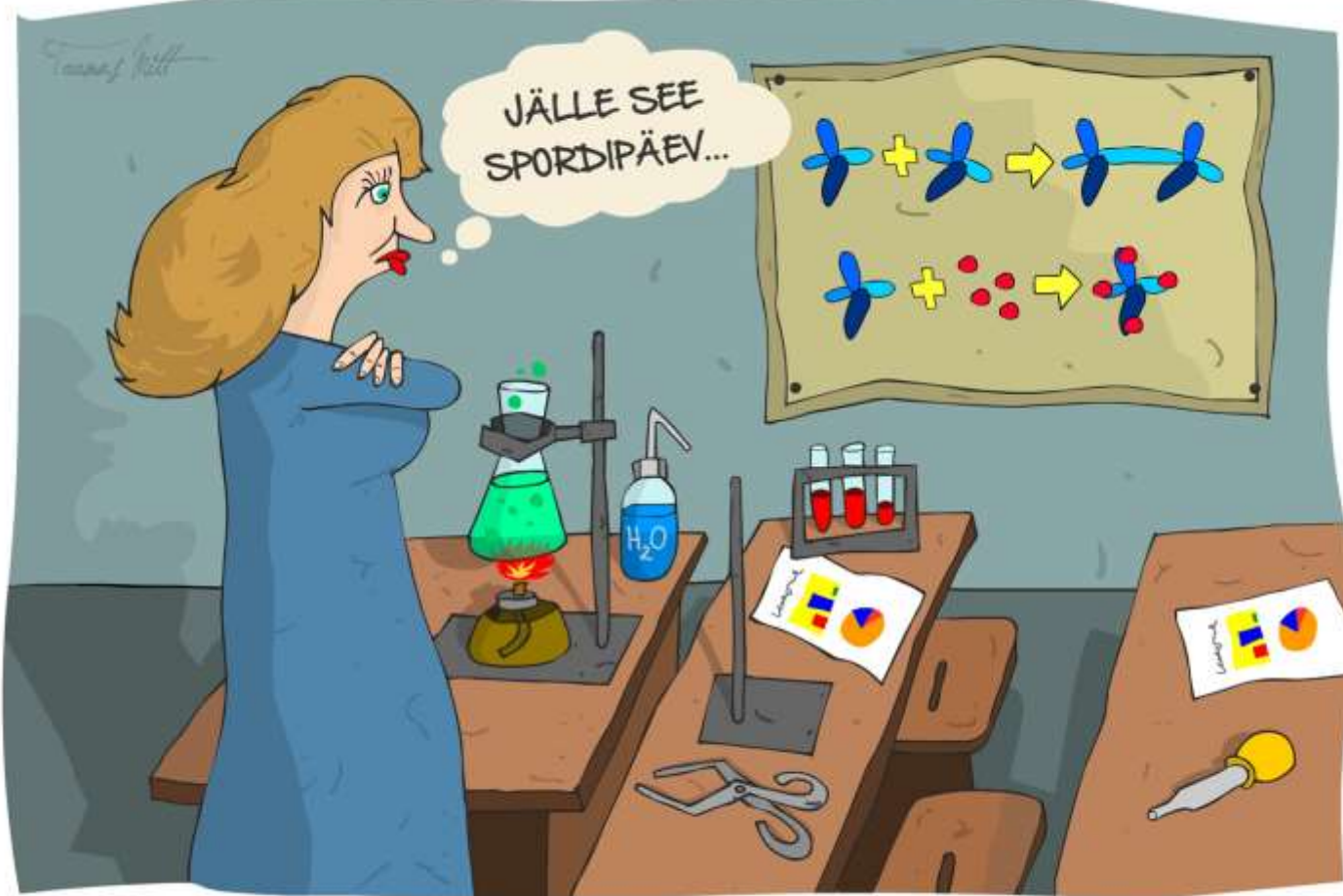


Trudne zadania w szkole to łatwe zadania na egzaminie



Figure 2. Between 2012 and 2015, the time spent online outside of school increased by 40 minutes per day on both weekdays and weekends





“Znów ten dzień sportu!” (nauczycielka chemii nie jest zadowolona, że uczniowie tracą czas biegając - program jest niewyobrażalnie napięty!)



Haridusel on uue
ökohumanistliku
tähendushorisoni
loomisel eriline roll



Butla wiedzy jest pełna, ale jak się zachowywać gdy jest pusta?



“Zgodnie z planem zrównoważonego rozwoju musimy poprosić o więcej śniegu z nieba”



The beginning of a new school year



Visit of The President of the Republic of Estonia





Dziękuję!



Dziękuję Ania Leszczyńska & Oktawia Gorzeńska