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European BaccaLaureate Unit

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Draft Report on European BaccaLaureate 2018

Board of Governors

Meeting on 4th, 5th, 6th and 7th December 2018 – OSGES Brussels

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1. Abbreviations

SCHOOLS	
*BRI	Liceo scientifico "Fermi Monticelli" Brindisi
*CUL	Europa School UK
*HEL	European Schooling Helsinki
*HER	School of European Education Heraklion
*MAN	École internationale de Manosque
*PAR	Scuola per l'Europa di Parma
*RHM	Europäische Schule RheinMain
*STR	École européenne de Strasbourg
*TAL	Tallinna Euroopa Kool
ALI	Alicante
BER	Bergen
BR 1 / UCC	Bruxelles 1
BR 2 / WOL	Bruxelles 2
BR 3 / IXL	Bruxelles 3
BR 4 / LAE	Bruxelles 4
FRF	Frankfurt
KAR	Karlsruhe
LUX 1 / LUX	Luxembourg 1
LUX 2 / MAM	Luxembourg 2
MOL	Mol
MUN	Munich
VAR	Varese

OTHER	
EB	European Baccaureate

LANGUAGES		
1	BG	Bulgarian
2	CS	Czech
3	DE	German
4	DA	Danish
5	EL	Greek
6	EN	English
7	ES	Spanish
8	ET	Estonian
9	FI	Finnish
10	FR	French
11	GA	Gaelic
12	HR	Croatian
13	HU	Hungarian
14	IT	Italian
15	LT	Lithuanian
16	LV	Latvian
17	MT	Maltese
18	NL	Dutch
19	PL	Polish
20	PT	Portuguese
21	RO	Romanian
22	SK	Slovakian
23	SL	Slovene
24	SV	Swedish

SUBJECTS			
ART:	Artistic Education	ar4 – Art (4 hours)	Written
BIO:	Biology	bi2 – Biology (2 hour option)	Oral
		bi4 – Biology (4 hour option)	Written or Oral
CHI:	Chemistry	chi – Chemistry	Written or Oral
ECO:	Economics	eco – Economics	Written
GEO:	Geography	ge2 – Geography (2 hour option)	Oral
		ge4 – Geography (4 hour option)	Written or Oral
GRE ANC.:	Ancient Greek	gre – Ancient Greek	Written
HI:	History	hi2 – History (2 hour option)	Oral
		hi4 – History (4 hour option)	Written or Oral
L (1):	Language Basic course	l1 – Language I	Written and Oral
		l2 – Language II	Written and/or Oral
		l3 – Language III	Written or Oral
		l4 – Language IV	Written or Oral
(L I) A:	Language Advanced course	l1a – Language I Advanced	Written and Oral
		l2a – Language II Advanced	Written and/or Oral
LAT:	Latin	lat – Latin	Written
MATH:	Mathematics	ma3 – Math (3 hour option)	Written
		ma5 – Math (5 hour option)	Written
		maa – Math Advanced	Oral
MUS:	Musical Education	mu4 – Music (4 hour option)	Written
ONL:	Other National Language	onl – Other National Language	Written or Oral
PH:	Philosophy	ph2 – Philosophy (2 hour option)	Oral
		ph4 – Philosophy (4 hour option)	Written or Oral
PHY:	Physics	phy - Physics	Written or Oral

2. Introduction

The 59th session of the European Baccaulaureate was chaired by Prof. Eve EISENSCHMIDT, European Baccaulaureate President, from Estonia. 2116 candidates, from 13 European Schools and 9 Accredited Schools, registered for the European Baccaulaureate 2018 session.

EB session 2018 - participants	
Registered	2146
Abandoned	30
Participated	2116
Passed	2077
Failed	39
Success rate	98.16%
Fail rate	1.84%

European Baccaulaureate 2018 – Averages	
Overall Average for the Preliminary Mark	80.40
Overall Average for Written Examinations	74.03
Overall Average for Oral Examinations	81.65
Overall Average for the Final Mark	78.36

Similarly to last year, the European Baccaulaureate Report offers an additional opportunity to discover more results about the EB 2018 session. Pursuant of the on-line approach followed through the new correction system, the EB Unit is now able to disclose information on the 2018 EB session, with a Business Intelligence tool.

To reach the on-line report, please follow the link below or scan the QR code. The on-line report can also be downloaded on PDF, and visualized on any computer or mobile device.



<http://schola-europaea.eu/bacc/report/2018/>

Along with this dynamic document, the readers will be able to find information about the development of the European Baccaulaureate 2018 session, and to build their own graphs. At the end of the on-line report, a table presents all available dynamic graphs. To access the graphs, simply click on the blinking icons that appear on the screen. A pop-up screen will open, giving the possibility to get all accurate data needed in an easy way, to filter by school, subject, languages, gender and/or averages, to compare among schools, subjects.

Please note that, though these interactive graphs share the same source data with the graphs of the current document, they cannot be used as official, due to a possible misbehavior of the application.

3. The European Bacculaureate Examinations

3.1. Structure of the examinations

The structure of the European Bacculaureate examinations is defined in Article 3, “Uniformity of examinations”, of the Arrangements for Implementing the European Bacculaureate Regulations, which specifies that:

ARTICLE 3 — UNIFORMITY OF EXAMINATIONS

3.1 Uniformity of Examinations

The following can be the subject of written and oral European Bacculaureate examinations:

- Compulsory subjects (with the exception of Physical Education and Religion/Ethics)
- Options
- Advanced subjects

All written European Bacculaureate examinations carry the same weighting.

All oral European Bacculaureate examinations carry the same weighting.

3.1.1 All written European Bacculaureate examinations will be the same for all candidates, irrespective of the language section to which they belong.

The examinations in Languages 1, 2, 3 and 4 are different in so far as the examination papers are set with reference to texts in the original languages. However, they must also follow the general harmonisation framework.

3.1.2 In Language 1, basic course, a uniform examination will be taken by all the pupils in the same language section. The same applies to Language 1, advanced course.

3.1.3 In Foreign Languages, a uniform examination will be taken in each language and at each level by candidates from all language sections.

5 written examinations	LI – basic or advanced course
	LII – basic or advanced course
	Mathematics – 3-periods or 5-periods course
	Two 4-period options
3 oral examinations	LI – basic or advanced course
	LII – basic or advanced course or History 2 p. or 4 p. (if not chosen as written examination) or Geography 2 p. or 4 p.(if not chosen as written examination)
	1 subject chosen by the pupil among the 2-period compulsory subjects and the 4-period options
	or Advanced Mathematics (compulsory for pupils who followed this course).

3.2. Additional written examinations

Article 13 of the Arrangements for implementing the regulations for the European Bacculaureate establishes that candidates may be allowed to sit for an additional written examination of an option subject and the conditions therefor.

Article 13 states that:

- 13.1 In particular cases, European School pupils in the final school year may register for the European Bacculaureate in an additional option subject, whether or not they have attended lessons in the subject in question at the School.
However, in the case of Music and Art, due to specific syllabus requirements, an additional exam can only be applied for if the pupil has followed the subject or if he provides evidence of the prescribed work done during s6 and s7 so as to ensure that the syllabus requirements are met. (...)
- 13.4 Only written examinations will be available (...)
- 13.4.2 The examination script will be corrected, in the same conditions as normal European Bacculaureate examination scripts. (...)
- 13.5 The result in this additional written examination will not be included for the purposes of calculating the final mark appearing on the candidate's Certificate of European Bacculaureate Marks, but will be shown on an Additional Examination Certificate signed by the Secretary-General of the European Schools (...).

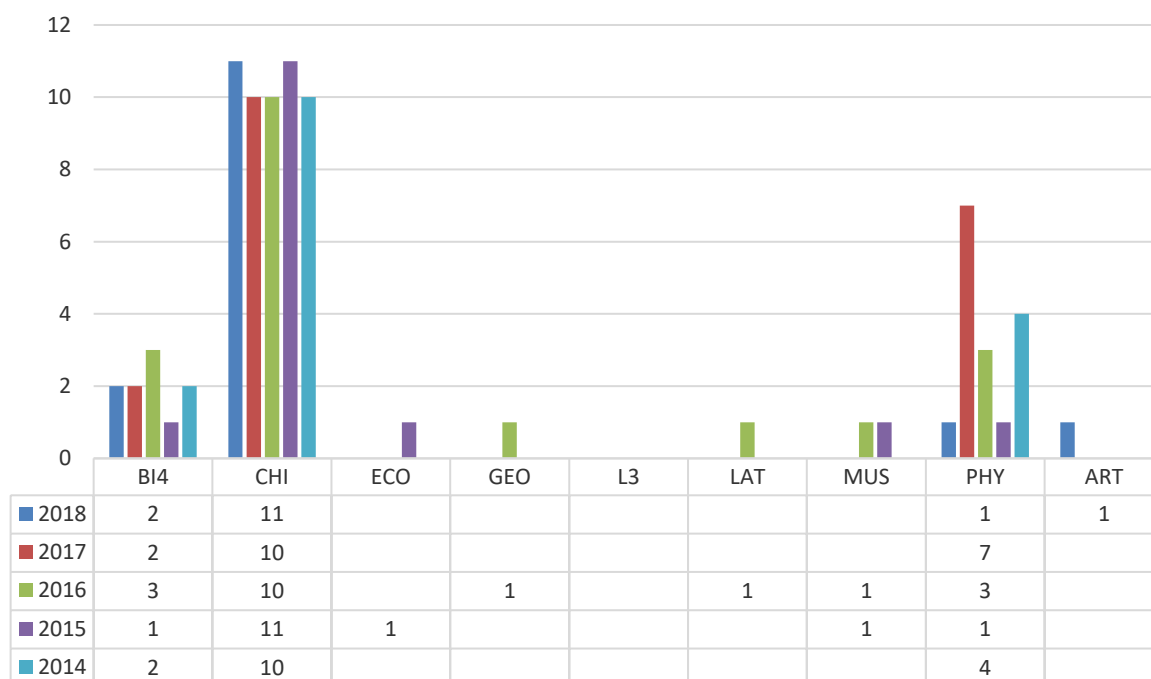
The graph below shows the evolution of requests for an additional written examination.

23 requests were received this year, 22 were accepted.

4 candidates finally withdrew their request before the examinations and 3 candidates did not do the examination. Therefore, only 15 additional written examinations were taken under article 13 at the 2018 EB session.

Biology is this year the most popular subjects chosen as an additional examination.

Additional Written Examinations - Art. 13

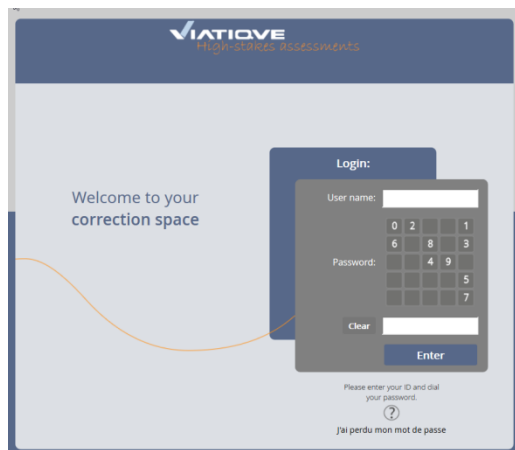


3.3. Correction of the European Bacculaureate Examinations: the On-line Correction System

For the second time, the scripts of the European Bacculaureate session were corrected on-line, through the Viatique system, by Exatech, the French company which won the call for tender launched in 2016 by the OSG.

Following the observation made during the first session in 2017 some of the procedures of Viatique have been improved in order to better suit the European Bacculaureate regulations, to optimize and reduce complex tasks, as for instance among others:

- follow up of the corrections for inspectors
- management of third corrections
- viewing of the scripts in the schools
- details of the viewing of the scripts on the screen
- administration panel



The implementation of the on-line correction system during the European Bacculaureate session 2018 was successful due to everybody's efforts and co-operation.

This system has shown great potential for the continuous improvement of the quality of assessment of the written European Bacculaureate examinations and for enhancing the efficiency of all the phases in the correction process.

These are some key features supported by the on-line platform:

Scanning of the examination scripts

The scanning of the scripts were made in each examination center. The scripts were compacted and uploaded automatically to a secure server with an encrypted connection.

The scanning of the examination scripts allowed scripts to be available earlier for second correctors, with the advantage of extending the correction period for second correction.

This year the paper examination scripts stayed in the schools. Therefore this is the first year that was not needed to send the papers to the corrections centers.

The scanning of the 2018 European Bacculaureate scripts went extremely well. All scripts were scanned according to the schedule foreseen, and there was no delay in their distribution to the correctors.

The readability of the scripts on the screen was very good. The scanning of special formats for pupils with special arrangements was also successful.

A survey was conducted and 98.59% of the teachers think that the readability of the scripts on the screen is good or very good.

Anonymity

Anonymity of the scripts resulted in the unbiased assessment of candidates. This was automated during the scanning process.

Mod. EURSC-DACTYLO <small>(NEOPTIC)</small>	
Surname / Nom Nachname :	<input type="text"/>
Name / Prénom Vorname :	<input type="text"/>
BAC ID :	<input type="text"/>
Date of birth / Né(e) le Geburtsdatum :	<input type="text"/> / <input type="text"/> / <input type="text"/>
Subject / Matière / Fach :	
Language / Langue / Sprache : Exam date / Date de l'examen / Prüfungsdatum :	

All examinations subjects' scripts were anonymized, with the exception of Art and Music. The written part of these examinations also went on the official examination paper, which was scanned. The rest of the parts, preparation and final art work was provided to the correctors in original form. So that

the written part could be related to the rest of the parts. However, the marks for all parts and the final commentary was introduced in the on-line correction platform.

Criteria referenced

All examinations were accompanied by a marking scheme and grid, correction criteria and guidelines and/or suggested answers. These were known to the correctors and served as a benchmark to assess the examinations and award marks, through the forum in the Viatique software.

Multiple correction and marking: Internal / External

The on-line tools allowed the same script to be corrected by more than one corrector. In our system, every script is corrected twice. A third corrector can be involved if there is a mark disagreement of over 2 points between the two correctors.

The screenshot displays the Viatique online correction platform. The main area shows a student's handwritten answer in French, titled "VIATIQUE Anonymat". The answer is marked with various symbols and colors: green checkmarks for "Brillant!!", red "X" for "Not enough info", and red lines for "Not answer...". A "Notation" table on the left shows scores for different parts of the answer. A "Commentaire" box on the right contains a message: "This is a great examination. You did a big effort during the year in order to get this good result." The interface also includes navigation buttons, a search bar, and a toolbar with various editing tools.

The on-line platform also made it possible to make sure that each corrected regularly added a final general mandatory commentary as established in the regulations. To validate the correction of a single script the corrector only needed to have entered the marks for every question and the final commentary, otherwise the validate button would not be active.

Random allocation of the scripts

On-line correction tools allowed distributing evenly scripts from different schools to different correctors. Before, so as to simplify the logistics, it was normally one corrector who corrected all the scripts from the same class/school.

Blind correction

On-line correction tools allowed scripts to have marking signs, symbols and comments without them being accessible to the second corrector, so that the second correction remained unbiased.

However, all these elements were accessible to the third corrector (in the cases of mark disagreement over 2 marks), the inspectorate and European Baccalaureate Unit.

Blended model

The first correction was still carried out internally by the teacher of the candidate in the European Schools and the Accredited Schools.

The second correction was carried out by a corrector external to the European School system in a correction center (European Schools) where 1 or 2 days' meetings were organized between the inspectors and the external correctors in order to discuss correction guidelines and practice. Training and assistance on the use of the on-line platform was provided for the new external correctors as last year. **European Baccalaureate Unit was present in the correction centers to support the**

external correctors and the inspectors during the correction period as well as Exatech experts remotely.

4 correction centres were open: the European School of Brussels 1 – Uccle, the European School of Brussels 4 – Laeken, the European School of Varese and the European School of Alicante.

- **Alicante** for Spanish LI, LII, LIII, LIV and Art in Spanish. 9 external correctors and 1 inspector were assigned to this center.
- **Varese** for Italian LI, LII and Art in Italian. 7 external correctors and 1 inspector were assigned to this center.
- **Brussels IV (LAE)** for Mathematics, Physics, Biology and Chemistry. 86 external correctors and 4 inspectors were assigned to this center.
- **Brussels I (UCC)** for the rest of the subjects. 124 external correctors and 15 inspectors were assigned to this center.

31 external correctors chose to fully correct their scripts at distance, i.e. entirely from home.

Retrieving evidence and accessibility to corrected scripts

Corrected scripts were easily accessible since they are stored in a secured server accessible anytime from anywhere. This also eliminates the difficulty of retrieving documents in case of appeals and especially during periods where many members of the staff in the schools are on holiday.

Correctors training

The on-line correction tools are easy to use. There is an on-line tutorial and a help-line. The electronic tools be web-based so that no software needs to be installed in the correctors' own computers. Still, assistance for correctors and short refresher trainings were provided in the correction centers.

Corrector's assessment

The on-line tools were able to inform on correctors' performance. Analysis of standard deviation on the corrected items or papers was possible.

Possibility of moderation

The on-line tools allow automated recalculation of values either for the whole examination or for individual questions as a result of the modification of values in the different questions of an examination or due to the cancellation of one or several questions.

Monitoring of the correction process

On-line correction tools allow monitoring and validation of the correction process. They provide immediate access to statistics on performance.

4. Assurance Quality of the 2018 European Bacculaureate session

4.1. The European Bacculaureate Subjects

The European Bacculaureate examinations are elaborated under the responsibility of the secondary cycle inspectors listed below, assisted by teams of external experts. For the 2018 EB session, 162 experts participated in the elaboration of 353 examination papers (162 main papers and 145 reserve papers). Each examination paper was accompanied by suggested answers, assessment criteria, marking instructions and marking grid.

The Board of Inspectors (Secondary) may decide to submit written European Bacculaureate examinations to external auditing in order to add a further layer of quality assurance.

The external auditing of the examination papers is performed by independent experts with experience in the field of assessment. These experts are proposed by the Chairman of the European Bacculaureate Examining Board.

For the European Bacculaureate session of 2018, the examination papers of Biology, Chemistry, Mathematics 3P, Mathematics 5P, Physics and Geography were audited externally and were found fit for purpose.

4.2. Quality control of the European Bacculaureate examinations proceedings

Quality control of the written and oral examinations in the 22 participating schools was carried out by the Vice-Chairmen. In order to supervise the proceedings, the Vice-Chairmen visited the assigned examination centers for up to 2 days during the written examinations and for a maximum of 4 days per center throughout the oral examinations' period. This year the supervision of the examination centers was distributed as follows:

School	The Vice-Chairmen and Quality Control
▶ALICANTE	Ms Helena COELHO, Ms Veselina GANEVA
▶BERGEN	Mr Paul METCALF
▶BRUSSELS 1	Ms Maria José PÉREZ BLANCO, Mr Javier GARRALÓN BARBA, Mr Darko TOT
▶BRUSSELS 2	Ms Olita ARKLE, Ms Violeta VALIUŠKEVIČIENĖ
▶BRUSSELS 3	Ms Olga DRÁPALOVÁ, Ms Margarita KALOGRIDOU
▶BRUSSELS 4	Ms Els VERMEIRE, Ms Miriam STANONIK, Ms Anne DEPUIS
▶FRANKFURT	Mr Lars DAMKJAER
▶KARLSRUHE	Mr Stefan WALZ
▶LUXEMBOURG 1	Ms Urszula ŁĄCZYŃSKA, Mr George MIFSUD
▶LUXEMBOURG 2	Ms Luca NEMESKÉRI, Mr Max WOLFF
▶MOL	Ms Karin NILSSON
▶MUNICH	Mr Alex COENEN
▶VARESE	Mr Dominique WILLÉ, Mr Max WOLFF
▶*BRINDISI	Ms Diana SACCARDO, Mr Max WOLFF
▶*EUROPASCHOOL UK	Mr Loizos ANASTASIADES

▶*HELSINKI	Ms. Linde van den BOSCH
▶*HERAKLION	Ms Tuulamarja HUISMAN
▶*MANOSQUE	Ms Gabriela DROC
▶*PARMA	Ms Lynda O'TOOLE
▶*RHEINMAIN	Ms Karin ECKERSTORFER
▶*STRASBOURG	Ms Violeta VALIUŠKEVIČIENĖ
▶*TALLINN	Ms Jana HANDZELOVA

4.3. Inspectors responsible for the different subjects

Subject	Language	Inspector
ANCIENT GREEK		Ms Margarita KALOGRIDOU
ART		Ms Karin NILSSON
BIOLOGY		Mr Max WOLFF
CHEMISTRY		Mr Alex COENEN
ECONOMICS		Ms Maria José PÉREZ BLANCO
GEOGRAPHY		Ms Olga DRÁPALOVÁ
HISTORY		Ms Helena COELHO
LANGUAGE I	BG	Ms Veselina GANEVA
	CS	Ms Olga DRÁPALOVÁ
	DA	Mr Lars DAMKJAER
	DE	Mr Stefan WALZ & Ms Karin ECKERSTORFER
	EL	Ms Margarita KALOGRIDOU
	EN	Mr Paul METCALF
	ES	Mr Javier GARRALÓN BARBA
	ET	Ms Maie KITSING
	FI	Ms Tuulamarja HUISMAN
	FR	Mr Dominique WILLÉ
	HR	Mr Darko TOT
	HU	Ms Luca NEMESKÉRI
	IT	Ms Diana SACCARDO
	LT	Ms Violeta VALIUŠKEVIČIENĖ
	LV	Ms Olita ARKLE
	MT	Mr George MIFSUD
	NL	Ms Linde VAN DEN BOSCH & Ms Els VERMEIRE
	PL	Mr Konrad LESZCZYŃSKI
	PT	Ms Helena COELHO
	RO	Ms Gabriela DROC & Ms Irina GEORGESCU
SK	Ms Jana HANDZELOVÁ	
SL	Ms Miriam STANONIK	
SV	Ms Karin NILSSON	

Subject	Language	Inspector
LANGUAGE II, III, IV	DE	Ms Karin ECKERSTORFER & Mr Stefan WALZ
	EL	Ms Margarita KALOGRIDOU & Mr Loizos ANASTASIADES
	EN	Mr Paul METCALF & Ms Lynda O'TOOLE
	ES	Mr Javier GARRALÓN BARBA
	FI	Ms Tuulamarja HUISMAN
	FR	Mr Dominique WILLÉ
	GA	Ms Lynda O'TOOLE
	IT	Ms Diana SACCARDO
	MT	Mr George MIFSUD
	NL	Ms Linde VAN DEN BOSCH & Ms Els VERMEIRE
	PT	Ms Helena COELHO
	SV	Ms Karin NILSSON
LATIN		Mr Dominique WILLÉ
MATHEMATICS 3P & 5P		Ms Urszula ŁĄCZYŃSKA
MUSIC		Ms Miriam STANONIK
OTHER NATIONAL LANGUAGE	FI	Ms Tuulamarja HUISMAN
	GA	Ms Lynda O'TOOLE
	MT	Mr George MIFSUD
	SV	Ms Tuulamarja HUISMAN
PHILOSOPHY		Ms Els VERMEIRE
PHYSICS		Ms Maie KITSING

5. The European Bacculaureate Candidates

5.1. Number of candidates in the 2018 European Bacculaureate session

European School of (ES)

1.	Alicante	(ALI)	75 candidates
2.	Bergen	(BER)	41 candidates
3.	Bruxelles 1 – Uccle	(Br 1 - UCC)	247 candidates
4.	Bruxelles 2 – Woluwé	(Br 2 - WOL)	226 candidates
5.	Bruxelles 3 – Ixelles	(Br 3 - IXL)	221 candidates
6.	Bruxelles 4 – Laeken	(BR 4 - LAE)	147 candidates
7.	Frankfurt	(FRF)	96 candidates
8.	Karlsruhe	(KAR)	68 candidates
9.	Luxembourg I	(LUX)	204 candidates
10.	Luxembourg II	(MAM)	166 candidates
11.	Mol	(MOL)	55 candidates
12.	Munich	(MUN)	155 candidates
13.	Varese	(VAR)	92 candidates
			1793 candidates

European Accredited Schools (EAS)

1.	Liceo Scientifico "Fermi-Monticelli" – European High School Brindisi	(*BRI)	63 candidates
2.	Europa School UK	(*CUL)	42 candidates
3.	European Schooling Helsinki	(*HEL)	10 candidates
4.	The School of European Education of Heraklion	(*HER)	7 candidates
5.	École internationale de Manosque	(*MAN)	7 candidates
6.	Scuola per l'Europa di Parma	(*PAR)	45 candidates
7.	The European School RheinMain	(*RHM)	91 candidates
8.	École européenne de Strasbourg	(*STR)	56 candidates
9.	Tallinna Euroopa Kool	(*TAL)	2 candidates
			323 candidates

TOTAL NUMBER OF CANDIDATES EB Session 2018 2.116 candidates

Number of examinations

	Cands.	Written Exams	Total Written Exams	Additional Exams	Grand Total Written Exams	Oral Exams	Total Oral Exams	TOTAL EXAMS
ES	1.793	5 per cand.	8.965	15	8.980	3 per cand.	5.379	14.359
AES	323	5 per cand.	1.615	0	1.615	3 per cand.	969	2.584
TOTAL	2.116		10.580		10.595		6.348	16.943

The number of candidates to the 2018 Bacculaureate examination session, by school and by subject, can be seen in the following tables:

	*BRI	*CUL	*HEL	*HER	*MAN	*PAR	*RHM	*STR	*TAL	ALI	BER	FRA	IXL	KAR	LAE	LUX	MAM	MOL	MUN	UCC	VAR	WOL	Total
AR4		12	3			1	27	10		23	5	7	20	8	20	25	13	8	18	33	7	42	282
BI4	20	11	3	3	2	7	4	11		16	19	30	61	14	43	52	47	13	45	56	22	58	537
CHI	25	14			3	8	5	11	1	18	18	31	77	16	44	54	36	21	34	69	27	52	564
ECO	19	7	1			6	47	18	1	4	6	24	28	23	35	37	26	12	20	16	26	37	393
GE4	1	6	2		1	3	27	7		4	7	11	8	27	27	11	22	7	27	25	13	31	267
GRE													6						3				9
HI4		3	3	3	1	7	20	5		1	3	13	44	1	24	36	33	11	22	39	20	56	345
L1-	63	42	10	7	7	32	91	49	2	67	41	96	212	68	143	197	154	55	146	241	92	212	2027
L1A						13		7		8			9		4	7	12		9	6		14	89
L2-	63	36	10	7	7	37	91	48	2	70	34	92	215	65	141	182	150	49	147	239	84	205	1974
L2A		6				8		8		5	7	4	6	3	6	22	16	6	8	8	8	21	142
L3-	15	11	2	2	3	25	14	21	1	23	10	34	68	15	42	70	62	11	51	111	17	65	673
L4-	22	3	1	2		16	13	6		15		9	34	4	20	33	21	1	29	45	17	25	316
LAT														1		5			3			8	17
MA3	29	25	3	7	1	30	72	30	2	44	23	51	119	45	74	133	95	29	91	117	43	127	1190
MA5	34	17	7		6	15	19	26		31	18	45	102	23	73	71	71	26	64	130	49	99	926
MU4		2		1			2		1							4	5			5	1	6	27
ONL			1													1				1		1	4
PH4	11	5		2		4	14	10		28	6	6	34	9	4	29	18	15	14	18	6	6	239
PHY	13	10	4	1	4	13	9	13		18	19	27	63	18	35	52	49	12	44	76	28	66	574
	315	210	50	35	35	225	455	280	10	375	216	480	1106	340	735	1021	830	276	775	1235	460	1131	10595

5.2. Participation in the European Baccalaureate 2018 session by school and by language section

Of the 2146 pupils registered for the European Baccalaureate at the beginning of the 2017-2018 school year, 2116 actually took part in the examinations, 30 pupils having given up their studies in mid-year or during the European Baccalaureate session.

During the written examinations 18 candidates were partially absent due to medical reasons or to participation in UNED among the 29 absences. Therefore 19 reserve examinations were organized in June 2018.

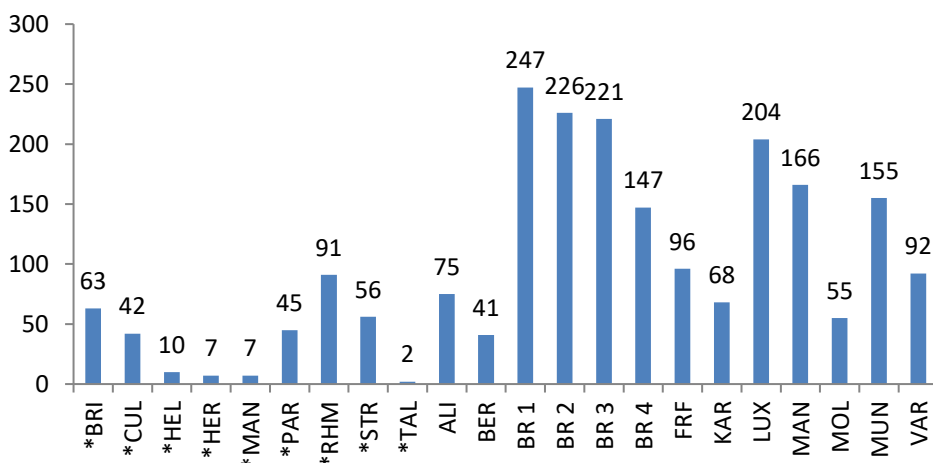
This year there was no need to arrange an extraordinary session in September 2018.

Written Examinations	Language	Number of candidates	Number of used reserve papers
L1	EN	1	1
	ES	2	2
	NL	1	1
	SV	1	1
L2	DE	1	1
	EN	5	1
CHEMISTRY	ES	2	1
	FR	3	1
	NL	1	1
PHILOSOPHY	EN	2	1
	FR	1	1
MATH 3P	DE	1	1
	EN	1	1
	PL	1	1
MATH 5P	ES	1	1
BIOLOGY	DE	1	1
ECONOMICS	DE	2	1
	EN	2	1
TOTAL		29	19

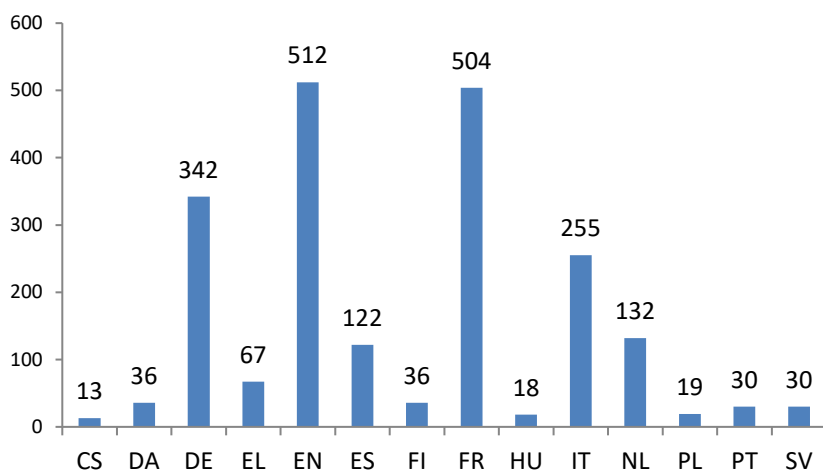
The largest number of European Baccalaureate candidates per school came from the European School of Brussels 1 (247).

The lowest cohort, 2 pupils, belongs to an Accredited School Tallinn (Estonia).

Number of candidates per school - EB 2018



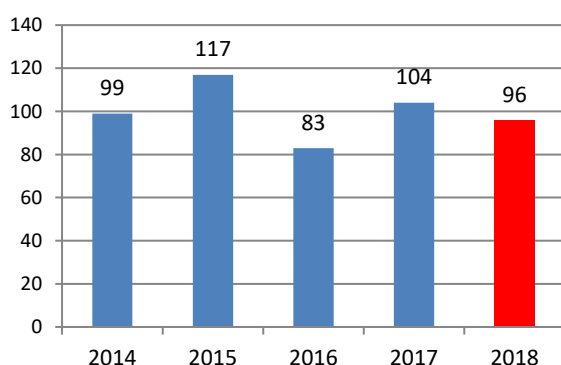
Number of candidates per linguistic section



The largest number of European Baccalaureate candidates per language section can be found in the English language section, with 512 candidates, closely followed by candidates from the French section, 504, and the German section, 342.

5.3. Candidates with Special Arrangements

Number of granted requests



Article 15 and Annex IX of the Arrangements for implementing the Regulations for the European Baccalaureate permits candidates with special educational needs to apply for special arrangements for taking of their examinations.

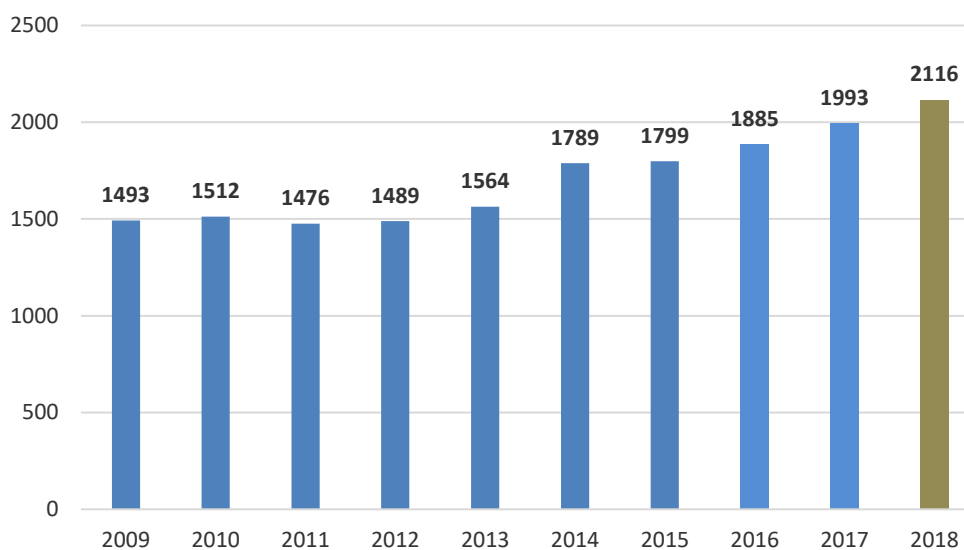
Appropriate arrangements were made for 96 candidates.

The most common special arrangements that were granted this year were:

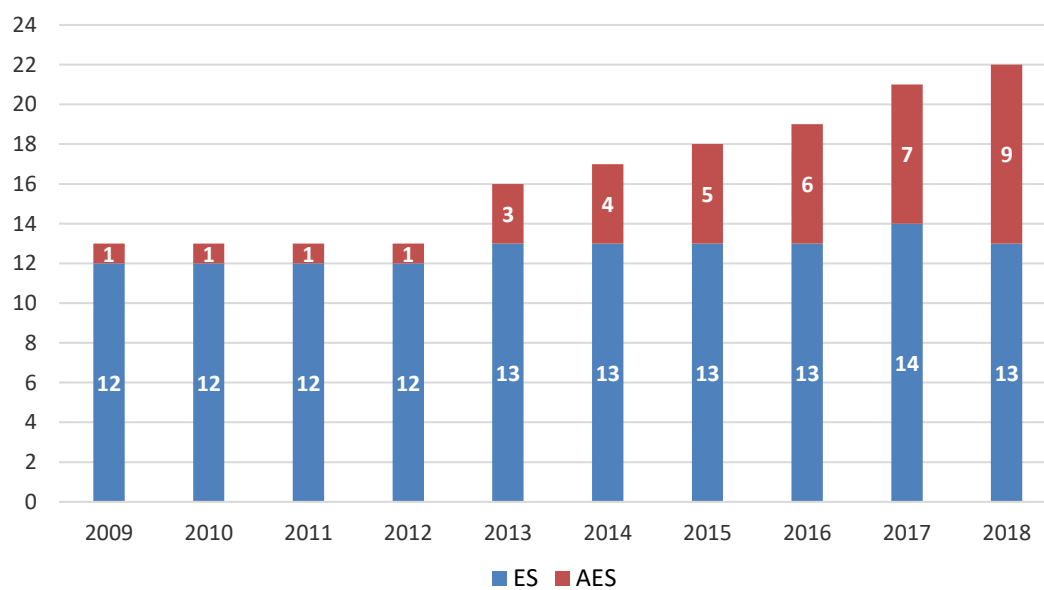
- 10 minutes' extra time per examination hour
- 10 minutes' extra time for preparation of the oral examinations
- use of a computer with or without a spellchecker
- use of a calculator
- reader.

5.4. Evolution of the number of schools and candidates over the years

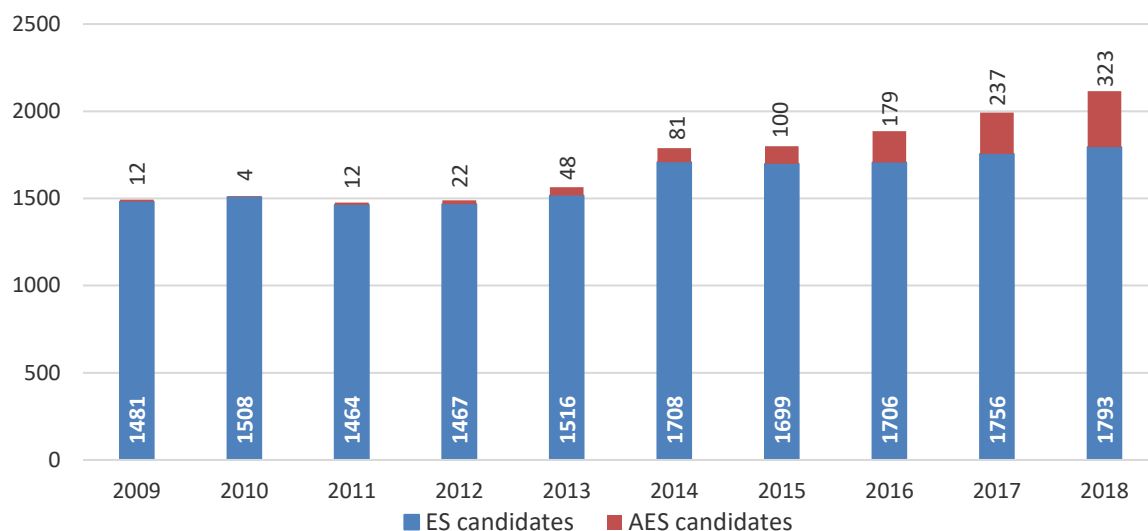
Number of candidates EB sessions 2009-2018



Number of schools - BACC sessions 2009-2018



Number of candidates per AES and ES - Sessions 2009-2018

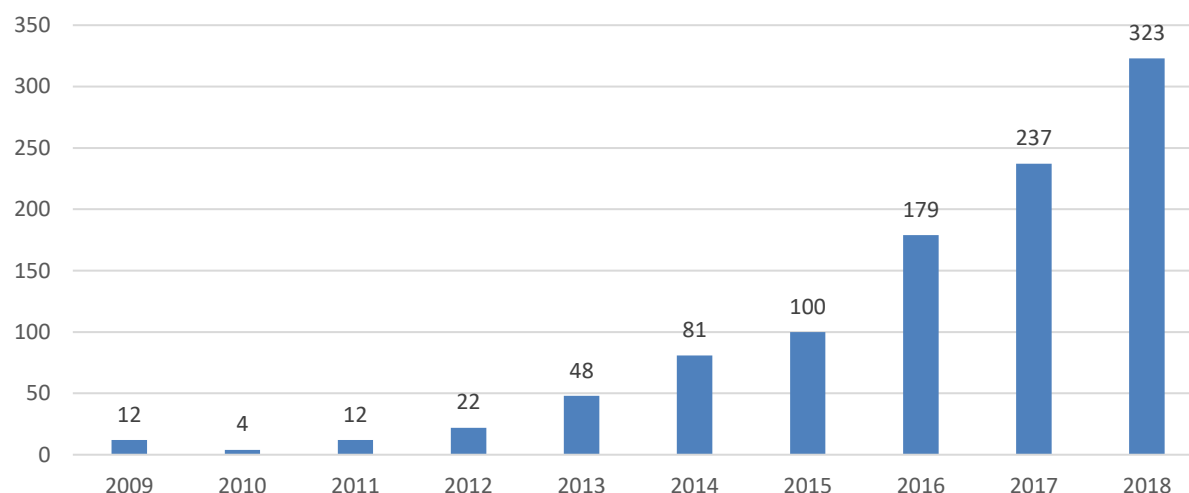


Evolution of the AES candidates (considering 2009 as the 1st year of AES in EB session)

Sessions	ES candidates	AES candidates	Total	Evolution AES (2009 as reference)
2009	1481	12	1493	1,00
2010	1508	4	1512	0,33
2011	1464	12	1476	1,00
2012	1467	22	1489	1,83
2013	1516	48	1564	4,00
2014	1708	81	1789	6,75
2015	1699	100	1799	8,33
2016	1706	179	1885	14,92
2017	1756	237	1993	19,75
2018	1793	323	2116	26,92
	16098	1018	17116	

In 10 session's time, the number of AES candidates increased roughly 27 times in comparison with the first session in 2009.

Evolution of the AES candidates



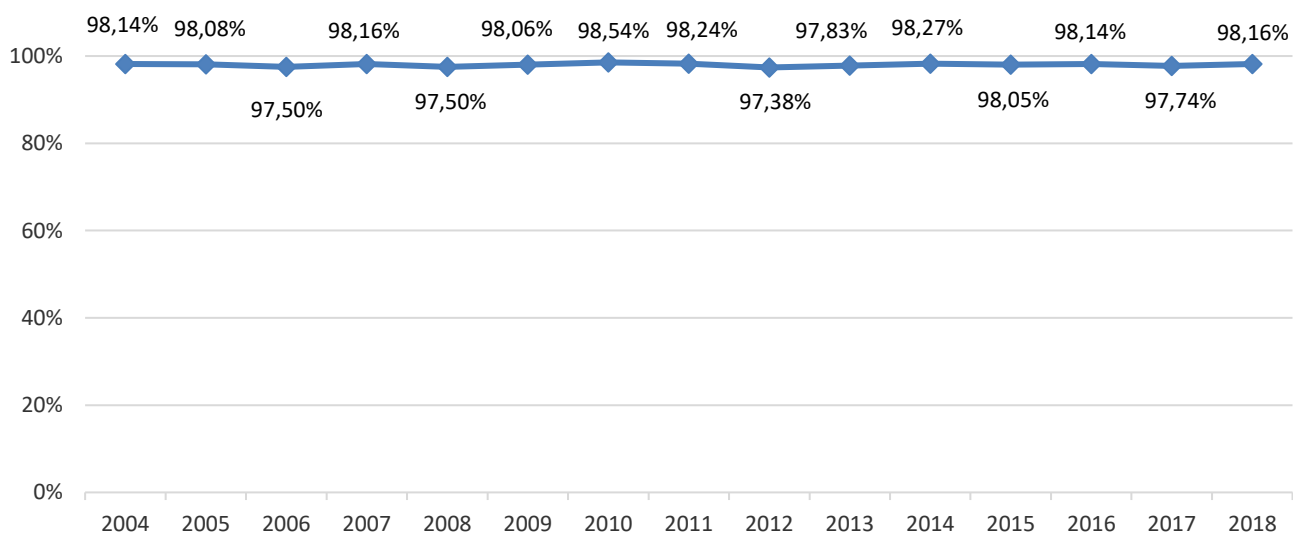
6. General Results of the European Baccalaureate 2018 session

EB session 2018 – participants	
Registered	2146
Abandoned	30
Participated	2116
Passed	2077
Failed	39
Success rate	98.16%
Fail rate	1.84%

European Baccalaureate 2018 – Averages	
Overall Average for the Preliminary Mark	80.40
Overall Average for Written Examinations	74.03
Overall Average for Oral Examinations	81.65
Overall Average for the Final Mark	78.36

6.1. Success rate over the last 15 years

Evolution of success rate



A comparison of success rates over the last 15 years shows that the European Baccalaureate situation stays stable.

As from session 2004, the variation in success rate never went over ± 0.7 , with a general average over the 15 last sessions of 97.99%.

Success rate EB session 2018

Type	School	Number of pupils	Succeeded	Failed	Success rate
ES	Bergen	41	41	0	100,00%
AES	Culham	42	42	0	100,00%
ES	Frankfurt	96	96	0	100,00%
AES	Parma	45	45	0	100,00%
AES	Tallinn	2	2	0	100,00%
AES	Heraklion	7	7	0	100,00%
AES	Manosque	7	7	0	100,00%
AES	Strasbourg	56	56	0	100,00%
ES	Varese	92	91	1	98,91%
ES	Bruxelles I	247	244	3	98,79%
ES	München	155	153	2	98,71%
ES	Bruxelles II	226	223	3	98,67%
ES	Alicante	75	74	1	98,67%
ES	Bruxelles III	221	218	3	98,64%
ES	Mamer	166	163	3	98,19%
ES	Mol	55	54	1	98,18%
ES	Luxembourg I	204	200	4	98,04%
ES	Bruxelles IV	147	142	5	96,60%
AES	RheinMain	91	87	4	95,60%
ES	Karlsruhe	68	65	3	95,59%
AES	Brindisi	63	58	5	92,06%
AES	Helsinki	10	9	1	90,00%
		2116	2077	39	98,16%

Success rate per type of school:

Type	Number of candidates	%	Succeeded	Failed	Success rate
ES	1793	84,74%	1764	29	98,38%
AES	323	15,26%	313	10	96,90%
	2116	100,00%	2077	39	98,16%

Success rate by language section

The following table shows the success rate in the different language sections. This year, the success rates by language section ranged between 96.67% and 100.00%.

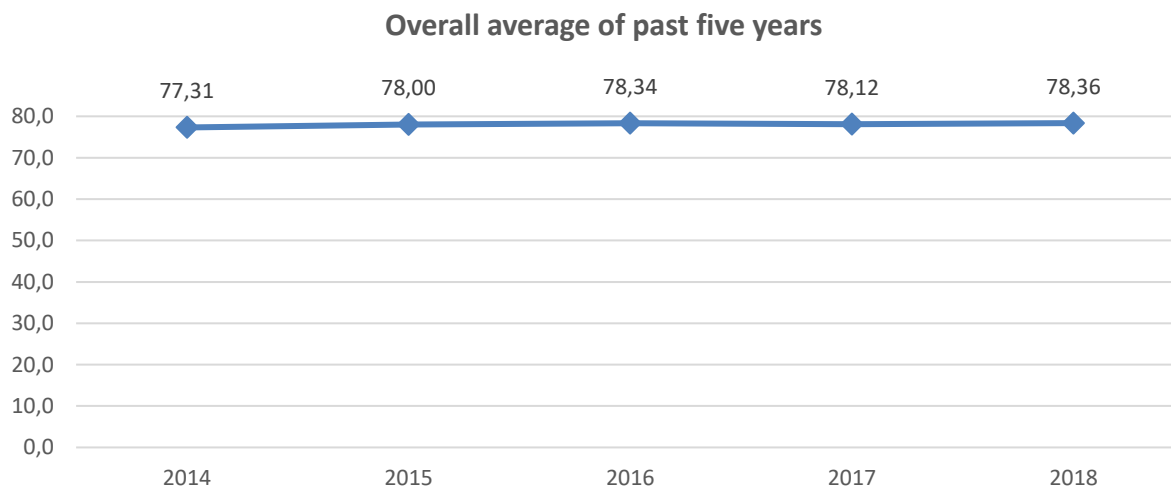
Due to small numbers of bachelors in some sections, the results are not always statistically comparable.

Ling. Section	Number of candidates	% candidates	Average of Final grade	Succeeded	Success rate	Schools involved
CS	13	0,61%	82,53	13	100,00%	1
DA	36	1,70%	81,57	35	97,22%	2
DE	342	16,16%	79,46	338	98,83%	14
EL	67	3,17%	79,40	66	98,51%	3
EN	512	24,20%	79,77	504	98,44%	21
ES	122	5,77%	77,33	119	97,54%	4
FI	36	1,70%	82,89	35	97,22%	3
FR	504	23,82%	76,06	490	97,22%	16
HU	18	0,85%	80,48	18	100,00%	1
IT	255	12,05%	78,25	250	98,04%	9
NL	132	6,24%	76,15	131	99,24%	8
PL	19	0,90%	81,76	19	100,00%	2
PT	30	1,42%	75,25	29	96,67%	2
SV	30	1,42%	81,60	30	100,00%	2
	2116	100,00%	78,36	2077	98,16%	

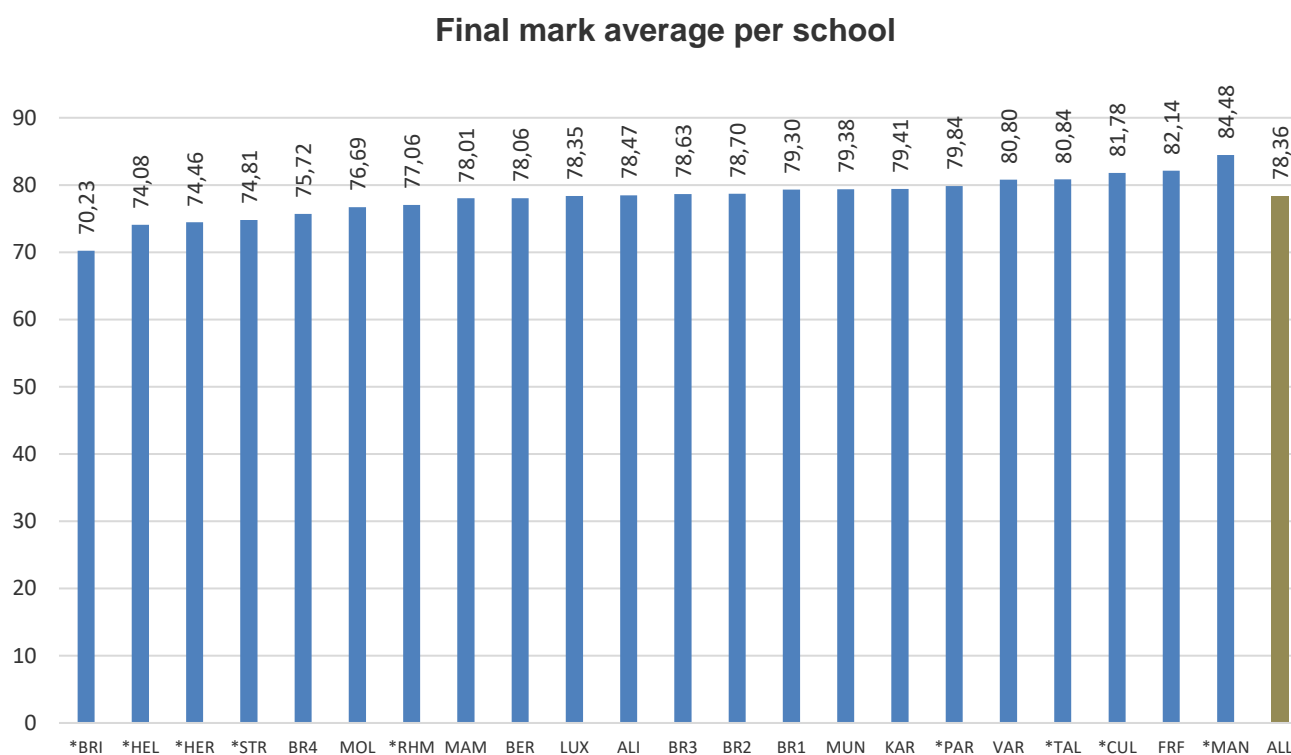
6.2. Final marks and averages

The final overall European Baccalaureate mark is expressed out of one hundred (100) points and is accurate to two decimal places.

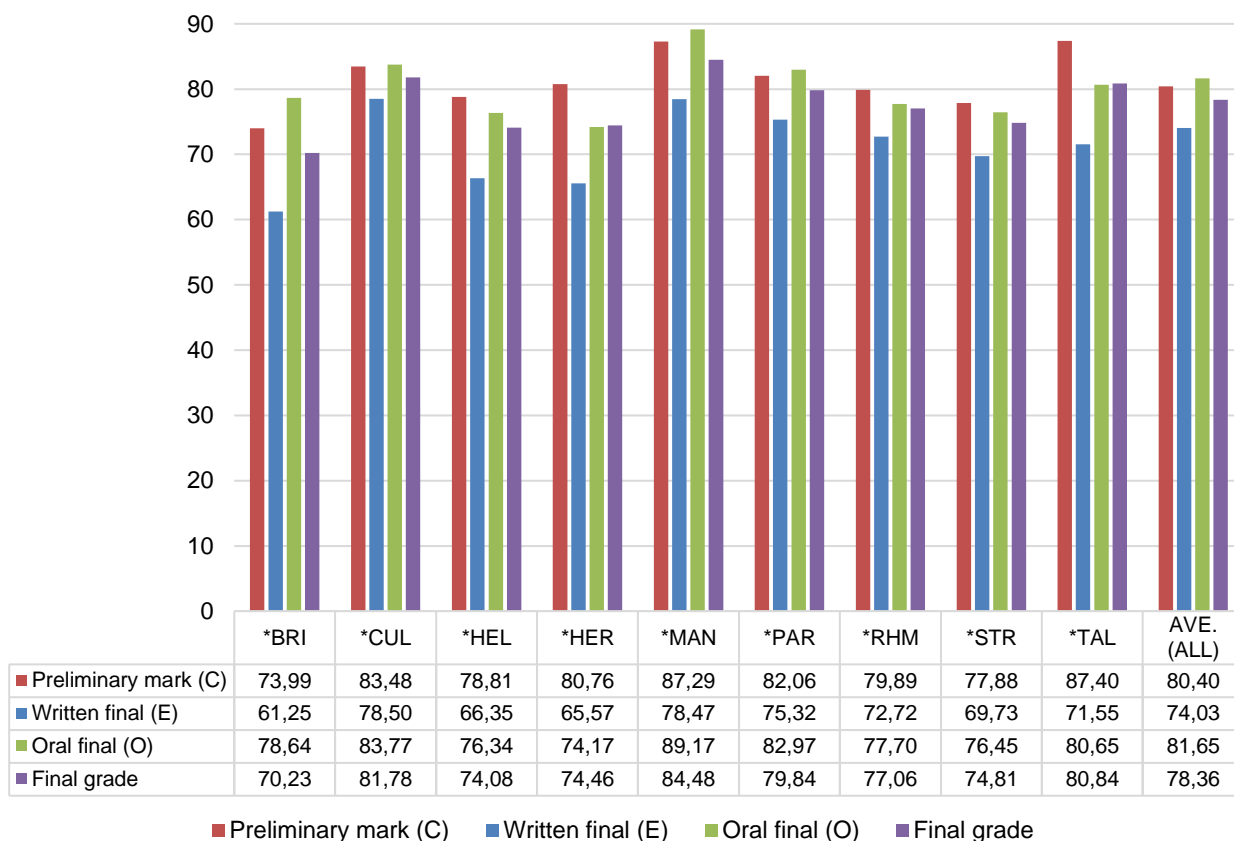
For all the candidates who participated in the 2018 session of the European Baccalaureate, the average Final Mark amounted to 78.36.



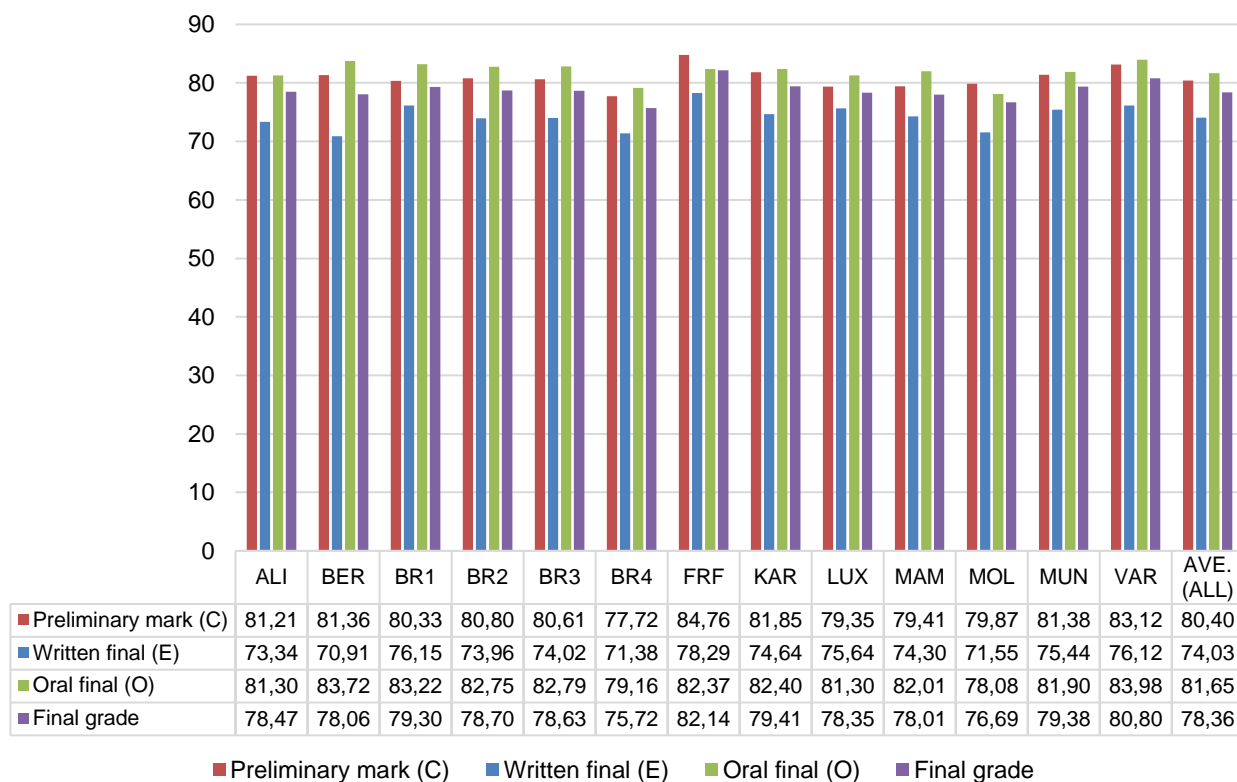
This year the average Final Mark ranged between 70.23 and 84.48 throughout schools:



Average Marks C, W, O and Final - per Accredited European School

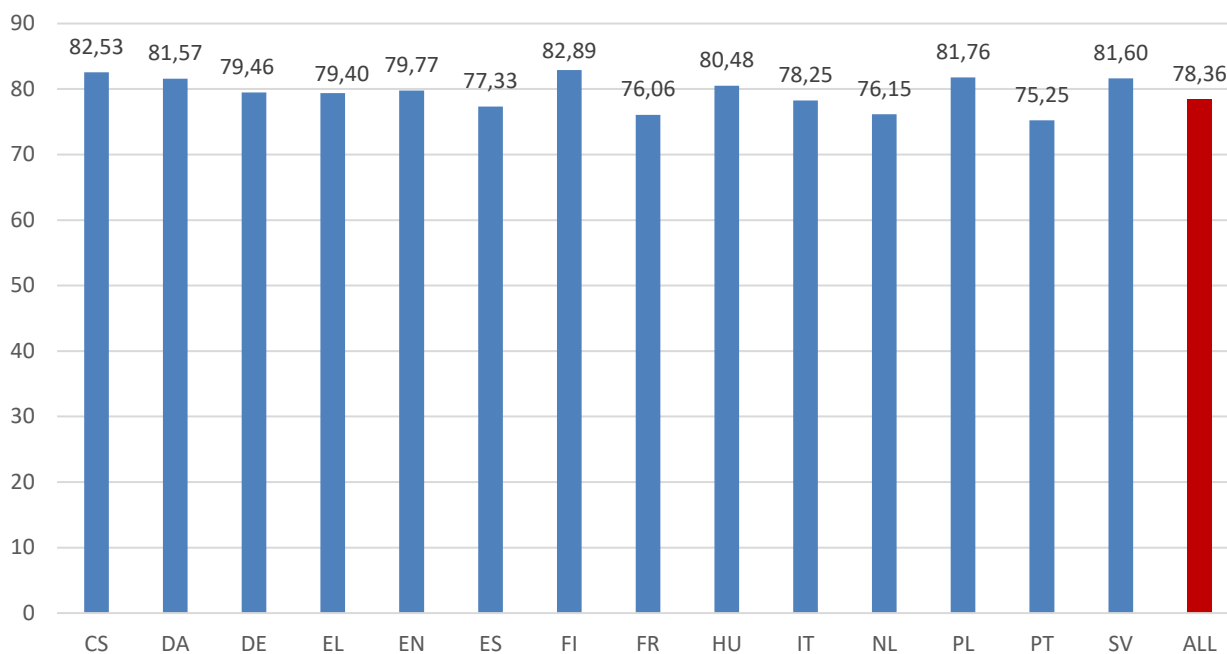


Average Marks C, W, O and Final - per European School



Throughout the Language Sections the average Final Mark ranged between 75.25 and 82.89. Small number of candidates in certain sections doesn't allow the average to be regarded as statistically significant.

Average Final Mark per linguistic section

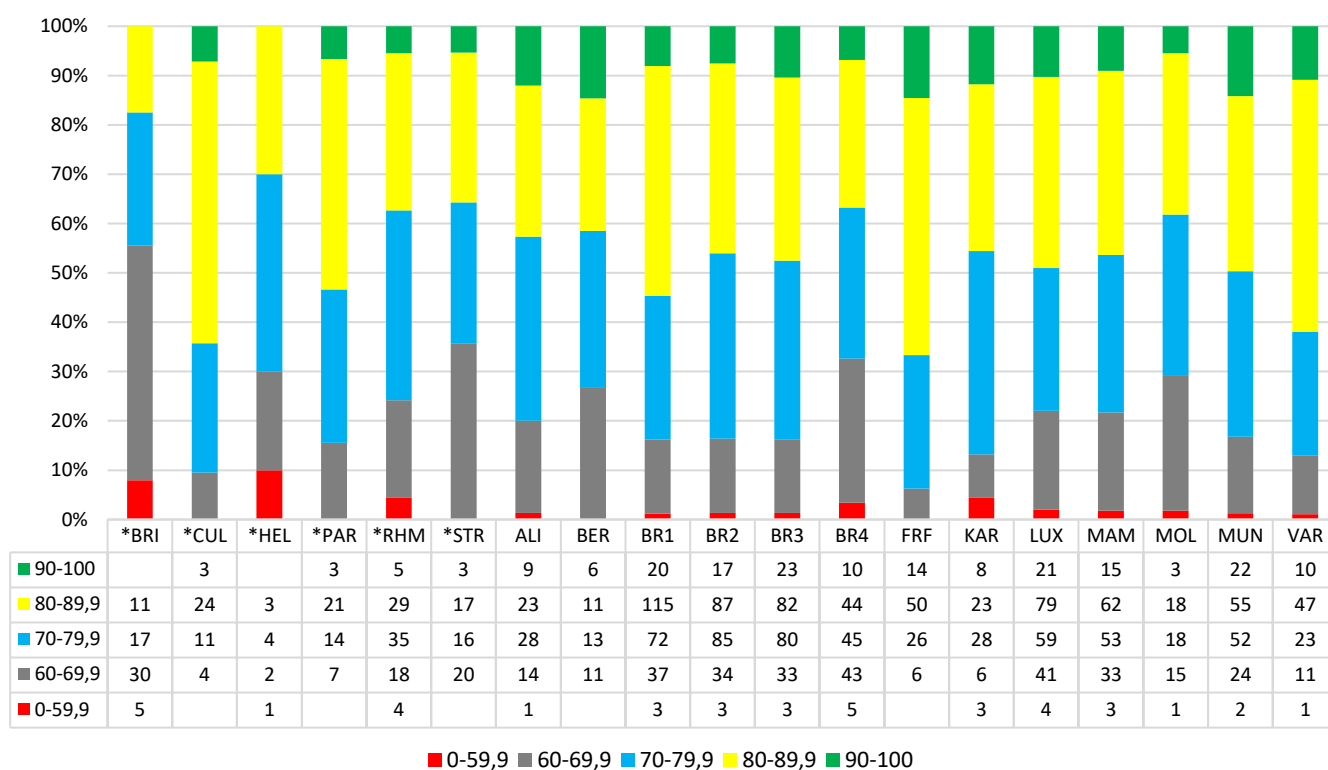


Number of candidates per linguistic section

CS	DA	DE	EL	EN	ES	FI	FR	HU	IT	NL	PL	PT	SV	ALL
13	36	342	67	512	122	36	504	18	255	132	19	30	30	2116

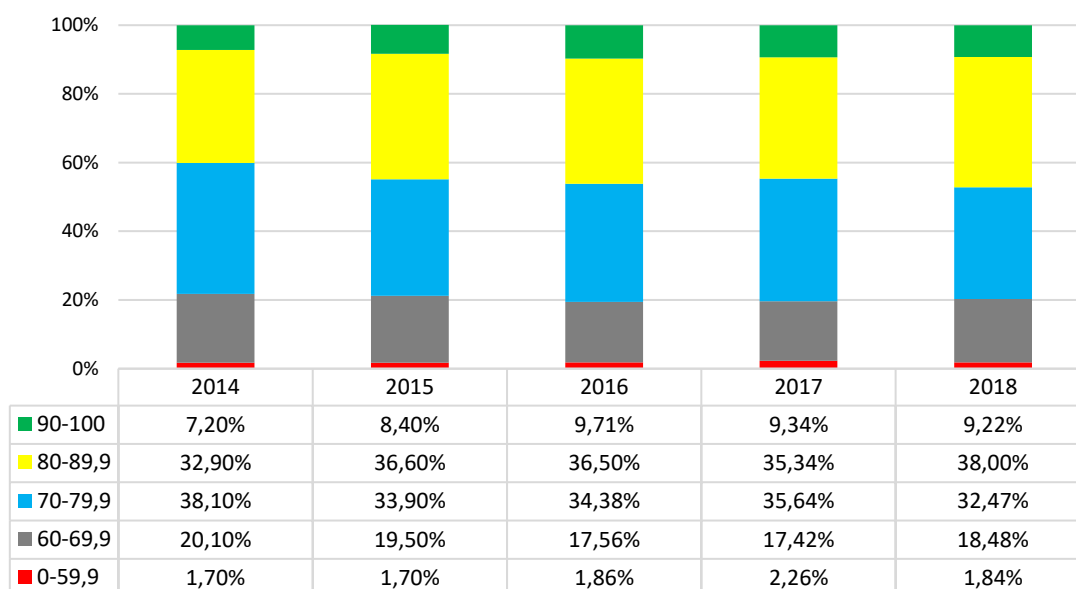
The following table shows the distribution of Final Marks, in %, in the different schools¹:

Distribution of final marks



Breakdown of final results throughout the past five years

Breakdown of final results



6.3. The Preliminary Marks

The preliminary mark (C mark) is made up of the following:

- Class marks (A marks) : They will account for 20 marks out of 50
- Part examination marks (B marks): They will account for 30 marks out of 50.

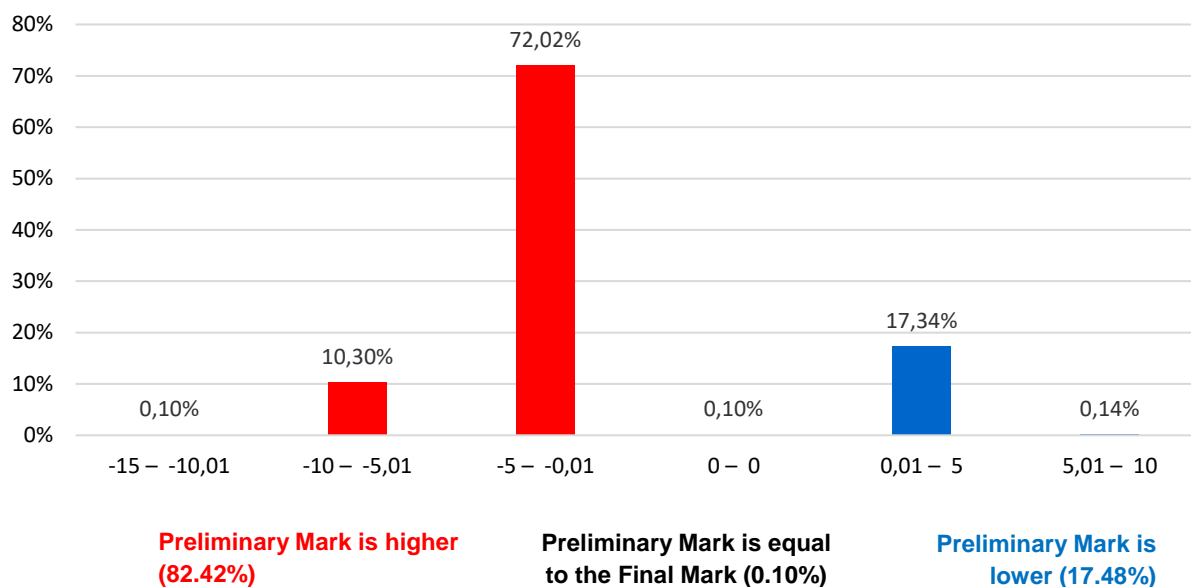
¹ Schools with less than 10 candidates are not shown in the graph because do not provide relevant statistical information.

6.3.1. Preliminary marks and Final marks

The graph below shows **differences between the Final Mark and the Preliminary Mark** for all pupils who took the European Baccalaureate. A negative difference means that the Preliminary Mark is higher than the Final Mark, and vice-versa.

82.42% of the candidates got a higher Preliminary Mark as compared to their Final Mark. However in 72.02% of the cases the difference was not greater than 5 points. For 89.46% of the candidates, the difference between the Preliminary Mark and Final Mark shows deviation of +/- 5 points out of 100.

Differences between Final Mark and Preliminary Mark (Ranges)

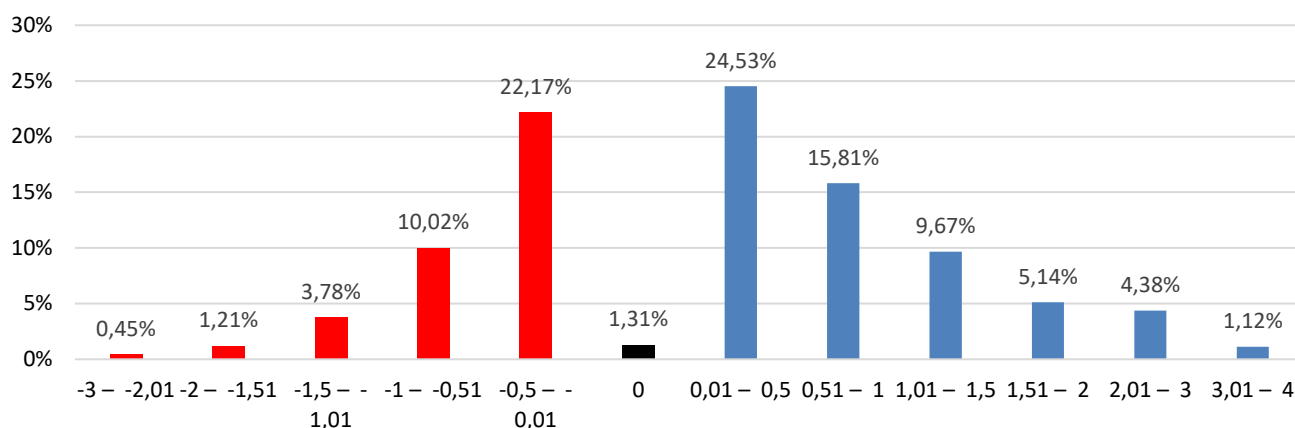


Outcome of: Final mark - Preliminary mark:	Candidates
Between -15 and -10,01 points	2
Between -10 and -5,01 points	218
Between -5 and -0,01 points	1524
Exactly 0 points	2
Between 0,01 and 5 points	367
Between 5,01 and 10 points	3
Between 10,01 and 15 points	0
	2116

6.3.2. Differences between Preliminary Mark and First Correction

The marks considered in this section only concern the marks given by the teacher.

Differences between Preliminary Mark and 1st correction



The teacher's written exam mark is higher than the Preliminary one (37.66%)

The Prel. mark is equal to the teacher's written exam mark (1.31%)

The Preliminary mark is higher than the teacher's written exam mark (61.03%)

Outcome of: Preliminary mark – 2nd correction:	Examinations
Between -5 and -4,01 points	1
Between -4 and -3,01 points	3
Between -3 and -2,01 points	48
Between -2 and -1,51 points	128
Between -1,50 and -1,01 points	400
Between -1 and -0,51 points	1061
Between -0,50 and -0,01 points	2348
Exactly 0 points	139
Between 0,01 and 0,50 points	2598
Between 0,51 and 1 point	1675
Between 1,01 and 1,50 points	1024
Between 1,51 and 2 points	544
Between 2,01 and 3 points	464
Between 3,01 and 4 points	119
Between 4,01 and 5 points	28
Between 5,01 and 6 points	12
Between 6,01 and 7 points	1
Total	10593²

It can be observed here that the variation of marks is greater. For around 48% of the cases, the variation is +/- 0.5 points and for around 74% of the cases the variation is +/- 1 point³.

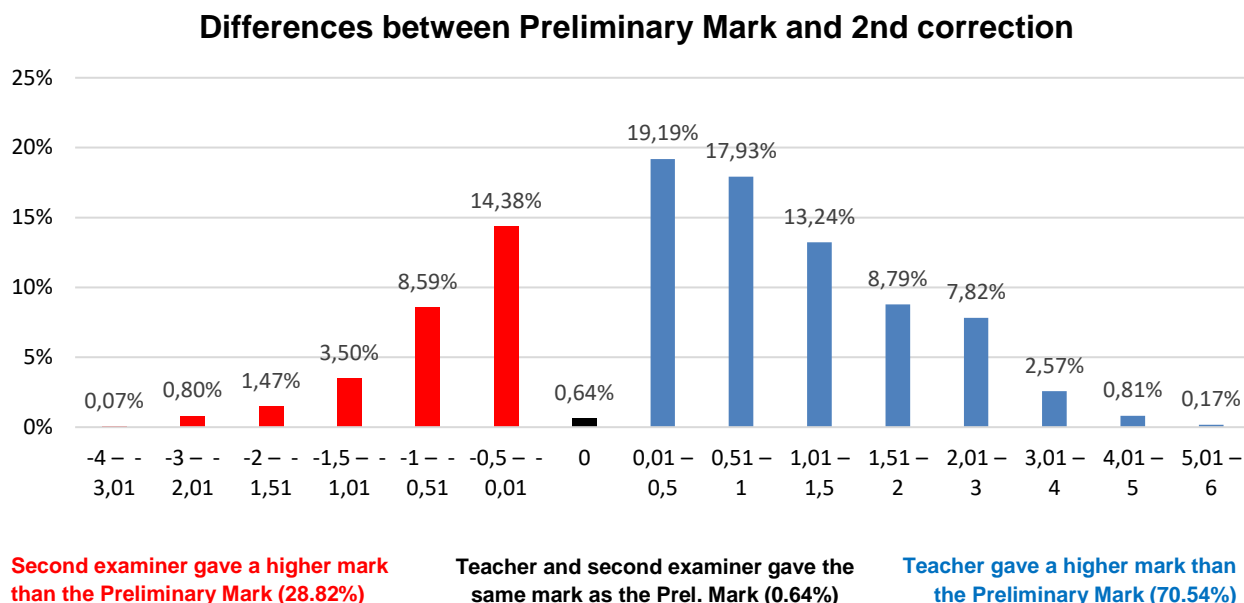
Around 38% of the candidates receive higher marks from their teachers in the written examinations as compared to the preliminary mark.

In 1.31% of the cases, the candidate obtained the exact same mark at both Preliminary and first marks written examination.

² There are 10593 and not 10595 results because 2 of the examinations were additional examinations without following the course and therefore there was not preliminary mark.

³ Points calculated out of 10 points.

6.3.3. Differences between Preliminary Mark and Second Correction



Outcome of: Preliminary mark - 1st correction:	Examinations
Between -6 and -5,01 points	1
Between -5 and -4,01 points	0
Between -4 and -3,01 points	7
Between -3 and -2,01 points	85
Between -2 and -1,51 points	156
Between -1,50 and -1,01 points	371
Between -1 and -0,51 points	910
Between -0,50 and -0,01 points	1523
Exactly 0 points	68
Between 0,01 and 0,50 points	2033
Between 0,51 and 1 point	1899
Between 1,01 and 1,50 points	1402
Between 1,51 and 2 points	931
Between 2,01 and 3 points	828
Between 3,01 and 4 points	272
Between 4,01 and 5 points	86
Between 5,01 and 6 points	18
Between 6,01 and 7 points	2
Between 7,01 and 8 points	1
	10593⁴

It can be observed here as well that the variation of marks is large. For around 34% of the cases, the variation is +/- 0.5 and for around 60% of the cases the variation is +/- 1.

Around 29% of the pupils receive higher marks from the second examiners in the written examinations as compared to the preliminary mark.

In 0.64% of the cases, the pupils obtained the exact same mark at both Preliminary and external examiners' written examination marks.

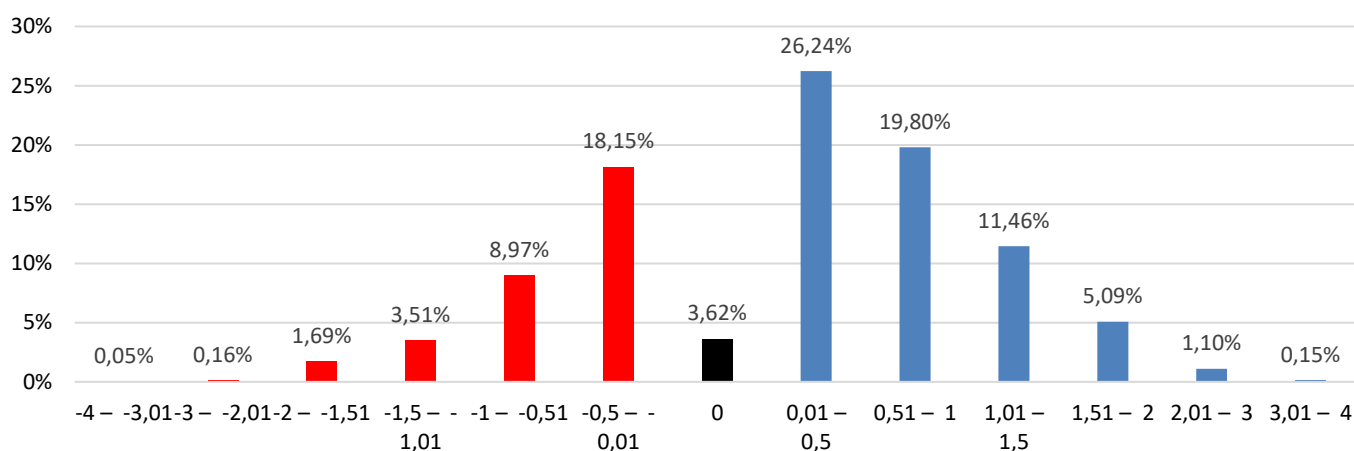
⁴ Same case than previous table between preliminary mark and first correction.

6.4. The Written Correction Marks

6.4.1. Differences between First Correction and Second Correction

62.3% of candidates received a higher mark from their first corrector, the teacher.

Differences between 1st and 2nd correction



Second examiner gave a higher mark than the teacher (32.52%)

Teacher gave the same mark as the external corrector (3.62%)

Teacher gave a higher mark than the external corrector (63.85%)

Outcome of: 1st correction - 2nd correction:	Examinations
Between -4 and -3,01 points	5
Between -3 and -2,01 points	17
Between -2 and -1,51 points	179
Between -1,50 and -1,01 points	372
Between -1 and -0,51 points	950
Between -0,50 and -0,01 points	1923
Exactly 0 points	384
Between 0,01 and 0,50 points	2780
Between 0,51 and 1 point	2098
Between 1,01 and 1,50 points	1214
Between 1,51 and 2 points	539
Between 2,01 and 3 points	117
Between 3,01 and 4 points	16
Between 4,01 and 5 points	1
Total	10595

In 3.62% of the cases, the candidates obtained the exact same marks at both teacher and external examiner's written examination correction.

It can also be said that:

In 48.01% of the cases, the candidates achieved a mark, first and second correction, with a variation of +/- 0.5 point.

In 76.78% of the cases, the candidates achieved a mark, first and second correction, with a variation of +/- 1 point.

In 91.75% of the cases, the candidates achieved a mark, first and second correction, with a variation of +/- 1.5 points.

156 third corrections had thus to be performed.

- Written mark #3 – Written mark #1 = average of -1.15 points
- Written mark #3 – Written mark #2 = average of +0.64

6.4.2. Third corrections

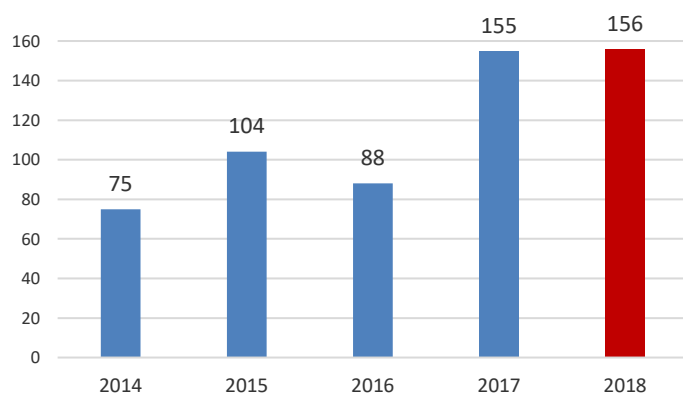
Out of 10595 scripts, 156 scripts were submitted to a third correction, i.e. 1.47% of the total scripts corrected.

The tables below indicate the distribution of the 156 third corrections, per school and per subject, with the detail of the language.

School	3rd corrections performed	Total scripts	%
*BRI	9	315	2,86%
*CUL	2	210	0,95%
*HEL	0	50	0,00%
*HER	3	35	8,57%
*MAN	2	35	5,71%
*PAR	2	225	0,89%
*RHM	16	455	3,52%
*STR	6	280	2,14%
*TAL	1	10	10,00%
ALI	3	375	0,80%
BER	5	216	2,31%
BR1	10	1235	0,81%
BR2	12	1131	1,06%
BR3	13	1106	1,18%
BR4	11	735	1,50%
FRF	8	480	1,67%
KAR	8	340	2,35%
LUXI	7	1021	0,69%
LUXII	14	830	1,69%
MOL	5	276	1,81%
MUN	14	775	1,81%
VAR	5	460	1,09%
Total	156	10595	1,47%

Subject	Languages	Total scripts	3rd corrections performed	%
AR4	EN 1	282	1	0,35%
BI4	DE 2, EL 1, EN 1, SV 2	537	6	1,12%
CHI	ES 1	564	1	0,18%
ECO	DE 3	393	3	0,76%
GE4	DE 3, EN 8	267	11	4,12%
GRE	-	9	0	0,00%
HI4	DE 1, EN 8, FR 2	345	11	3,19%
L1-	DE 25, EN 6, FR 9, IT 4, PL 1	2027	45	2,22%
L1A	-	89	0	0,00%
L2-	DE 3, EN 3, FR 3	1974	9	0,46%
L2A	-	142	0	0,00%
L3-	DE 3, EN 2, FR 1	673	6	0,89%
L4-	DE 1, ES 4, FR 10	316	15	4,75%
LAT	-	17	0	0,00%
MA3	DE 5, EL 5, EN 5, ES 2, FR 1	1190	18	1,51%
MA5	EL 6, EN 1, FR 4	926	11	1,19%
MU4	EN 2	27	2	7,41%
ONL	-	4	0	0,00%
PH4	EN 12, FR 3	239	15	6,28%
PHY	EN 1, FR 1	574	2	0,35%
Total		10595	156	1,47%

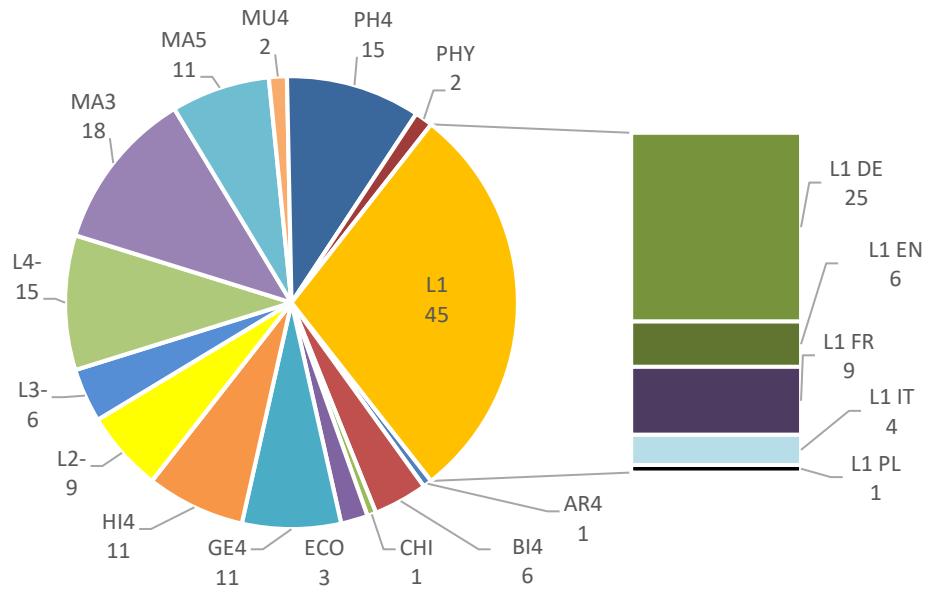
**Evolution of third corrections
EB sessions 2014-2018**



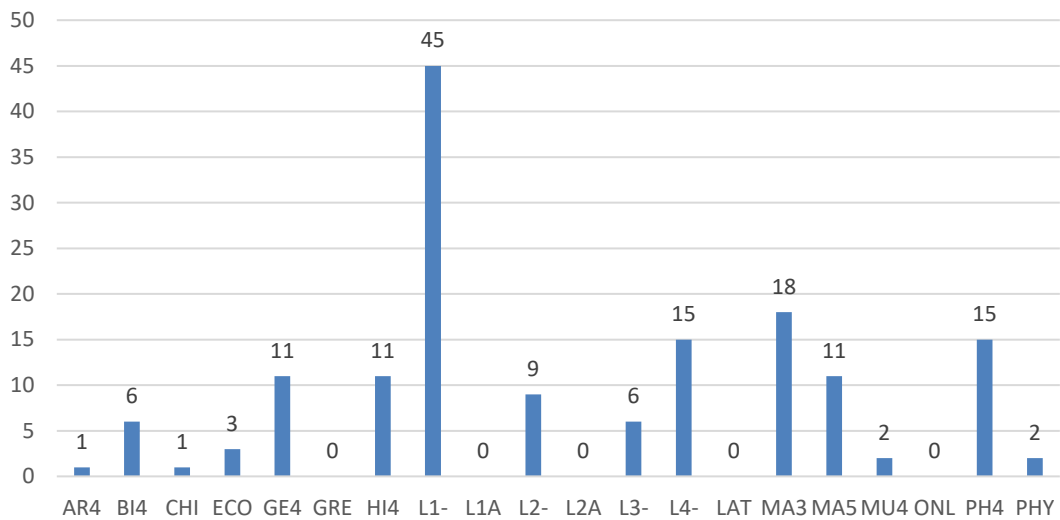
In 2017 there was an increase of the amount of third corrections, coinciding with the introduction of the on-line correction.

In 2018 the difference was just one more in comparison with last year, which means an increase of 0,65% more of third corrections. However, the number of scripts is increasing from year to year as well.

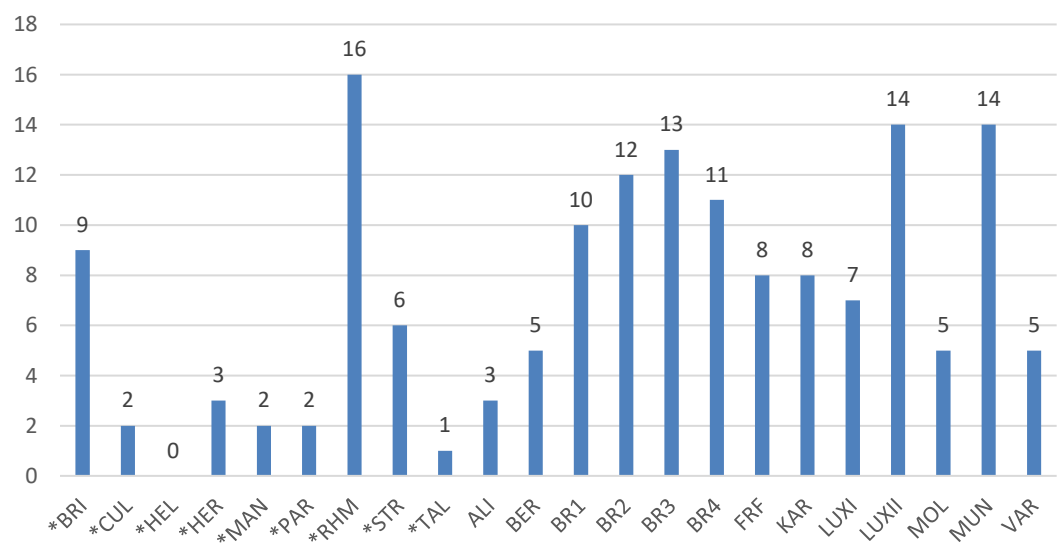
3rd Corrections EB session 2018



Number of 3rd corrections, per subject



Number of 3rd corrections, per school



6.4.3. Marks disagreement

A written examination script is deemed successful for the pupil if it was granted at least the minimum mark of 6 out of 10 (pass mark).

Marks disagreement designates the very specific case occurring when, for a same script, one examiner considers the script as being in line with the correction criteria pass mark, whereas the other examiner judges it as insufficient and not in compliance with the pass mark criteria.

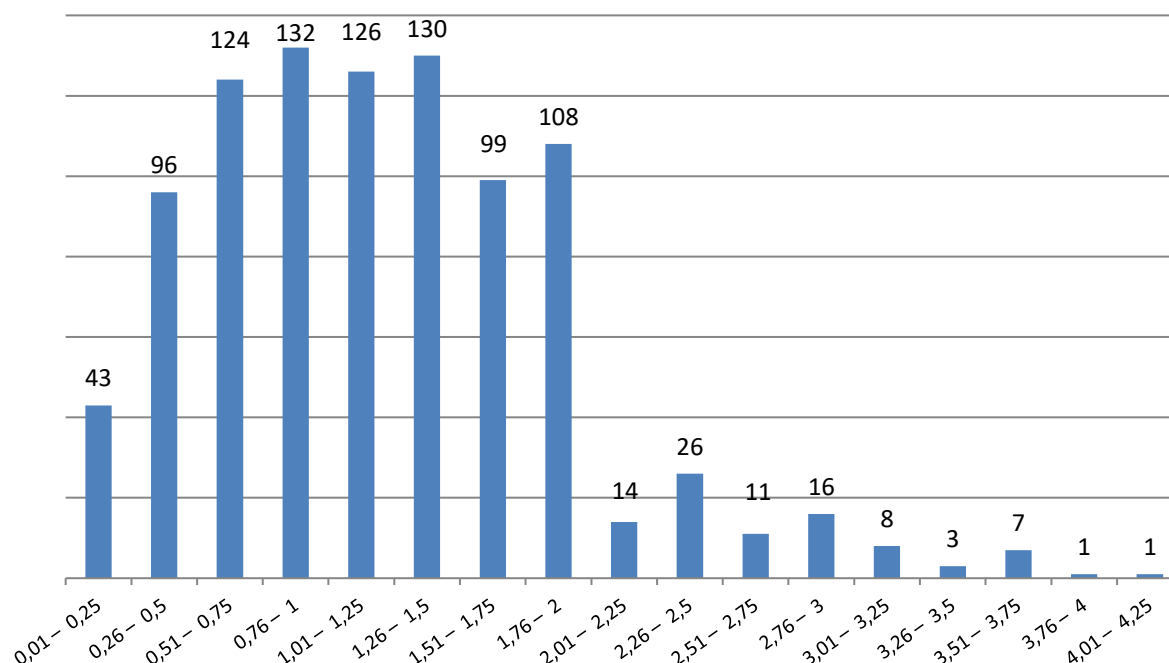
When comparing the written examination marks given by the teachers / first correctors, and external examiners / second correctors, for the 10595 scripts of the EB session 2018, the following can be observed:

	Number of scripts		Third corrections		Average W1	Average W2	Average W3
	number of scripts	%	number of scripts	%			
Teacher gave 6 or more	9053	85,45%	128	1,41%			
External examiner gave 6 or more	8690	82,02%	65	0,75%			
Teacher gave 5.99 or less	1542	14,55%	28	1,82%			
External examiner gave 5.99 or less	1905	17,98%	91	4,78%			
Teacher passed the script, external examiner failed the script	654	6,17%	75	11,47%	6,65	5,34	5,91
Teacher failed the script, external examiner passed the script	291	2,89%	12	4,12%	5,44	6,58	5,47

For 945 scripts, i.e.8.92% of the total scripts, a mark disagreement was observed during last session.

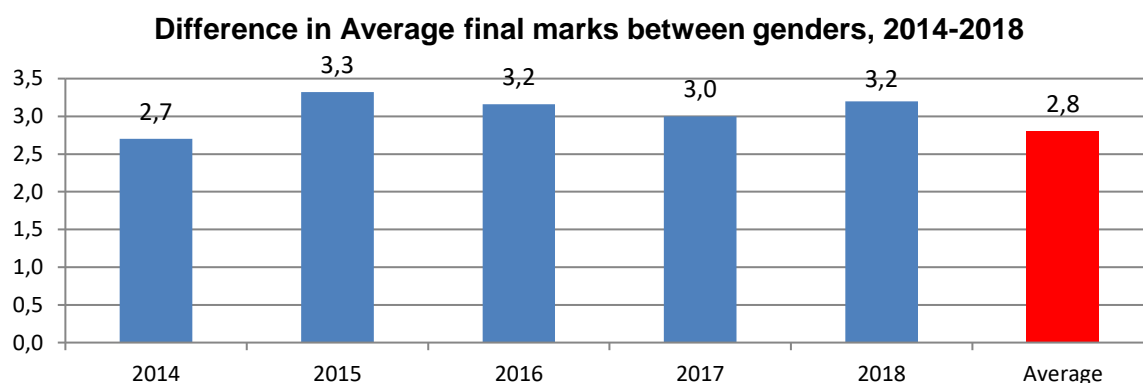
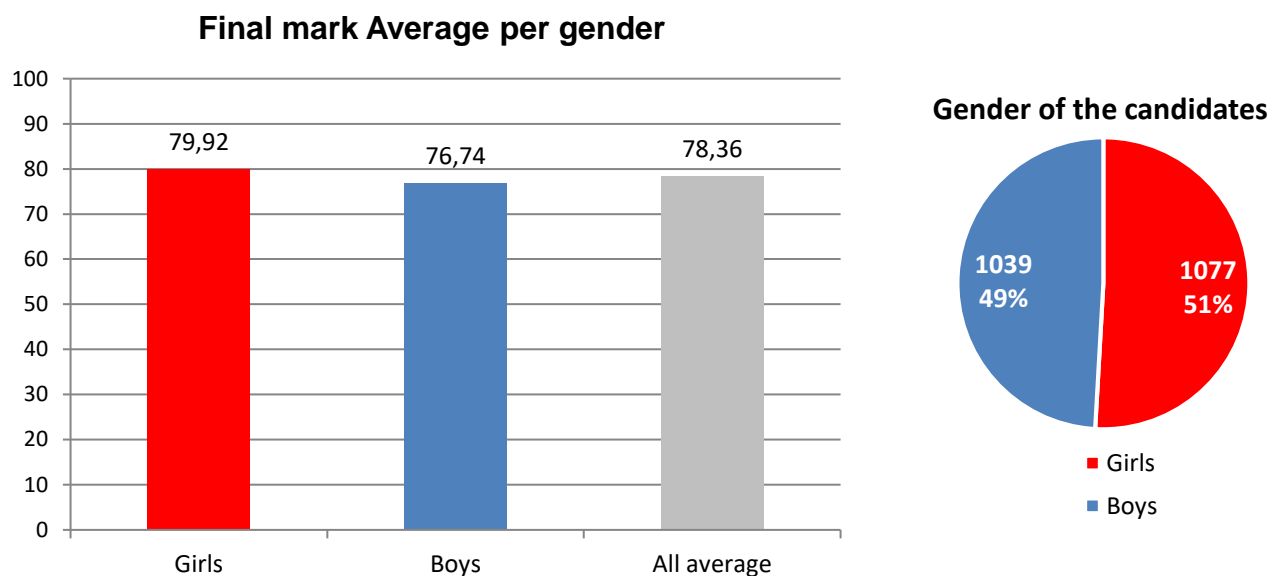
In 87 cases the difference between the two marks was higher than 2 marks, meaning that 9.21% of the 945 disputed scripts were thus submitted to a third correction.

Absolute value of difference between first and second correction for mark disagreement (945 scripts)



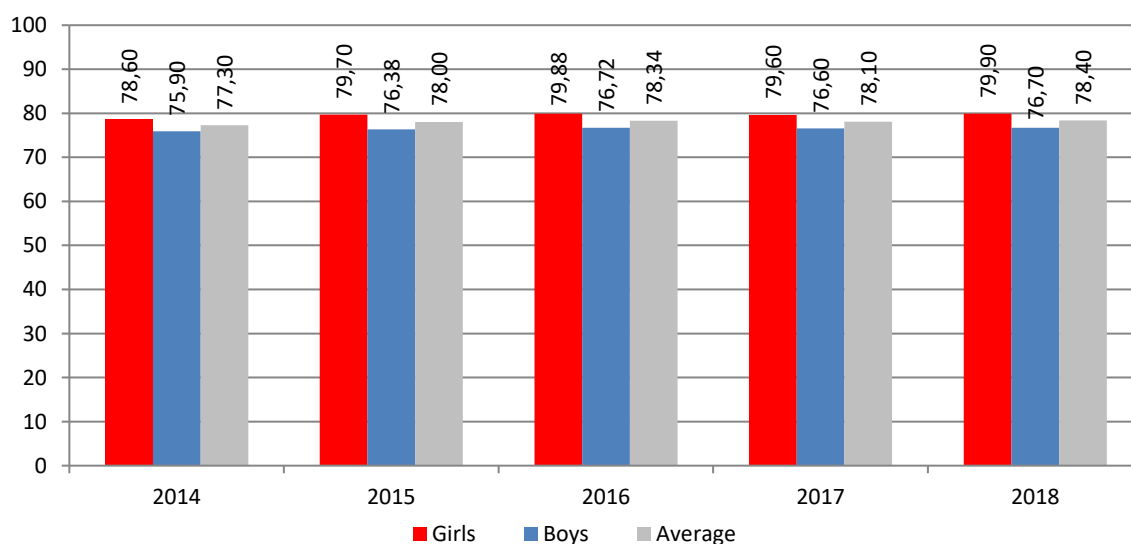
6.5. Gender differences

Female candidates score a higher Final Mark than the general average, as it can be observed in this graph.



This is a general trend in the last 5 years:

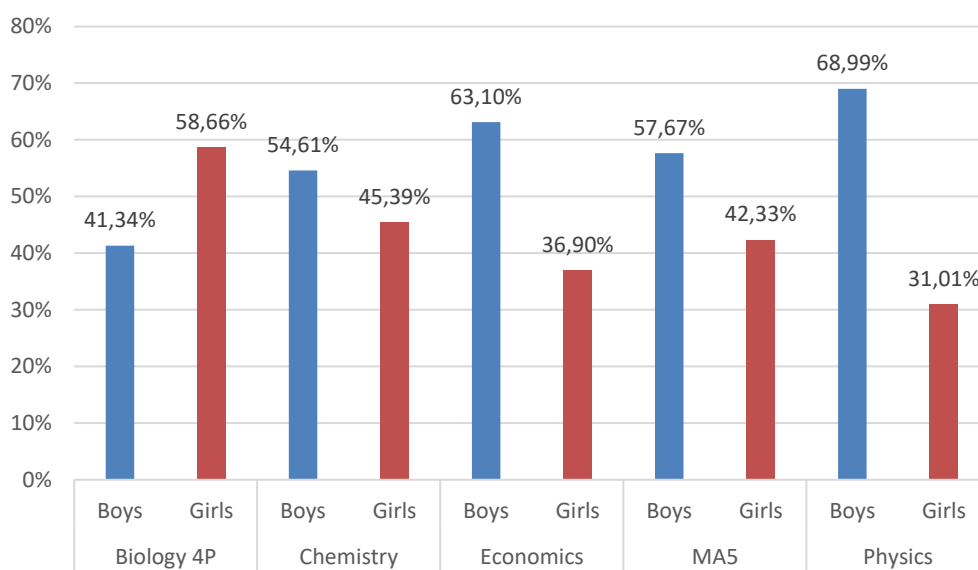
Final mark Average per gender 2014-2018



Here below, the choices of options and written average, per gender:

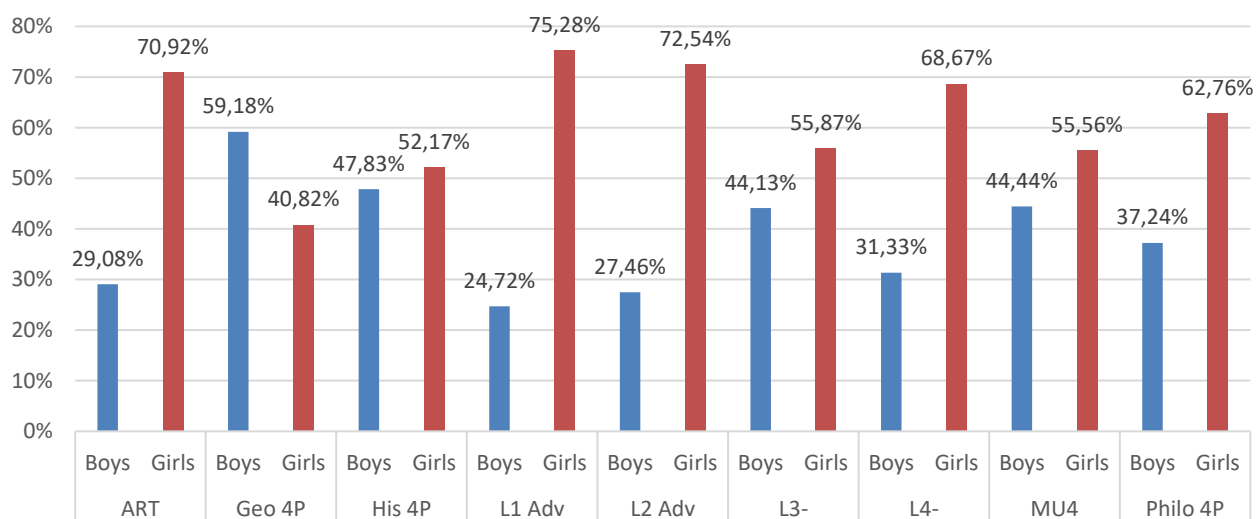
Science Subjects	Gender	Number of candidates	Written Average	Percentage
Biology 4P	Boys	222	6,49	41,34%
	Girls	315	6,96	58,66%
	Total	537	6,77	
Chemistry	Boys	308	7,24	54,61%
	Girls	256	7,39	45,39%
	Total	564	7,31	
Economics	Boys	248	7,08	63,10%
	Girls	145	7,32	36,90%
	Total	393	7,17	
MA5	Boys	534	6,46	57,67%
	Girls	392	6,66	42,33%
	Total	926	6,54	
Physics	Boys	396	7,85	68,99%
	Girls	178	8,08	31,01%
	Total	574	7,92	

Science subjects



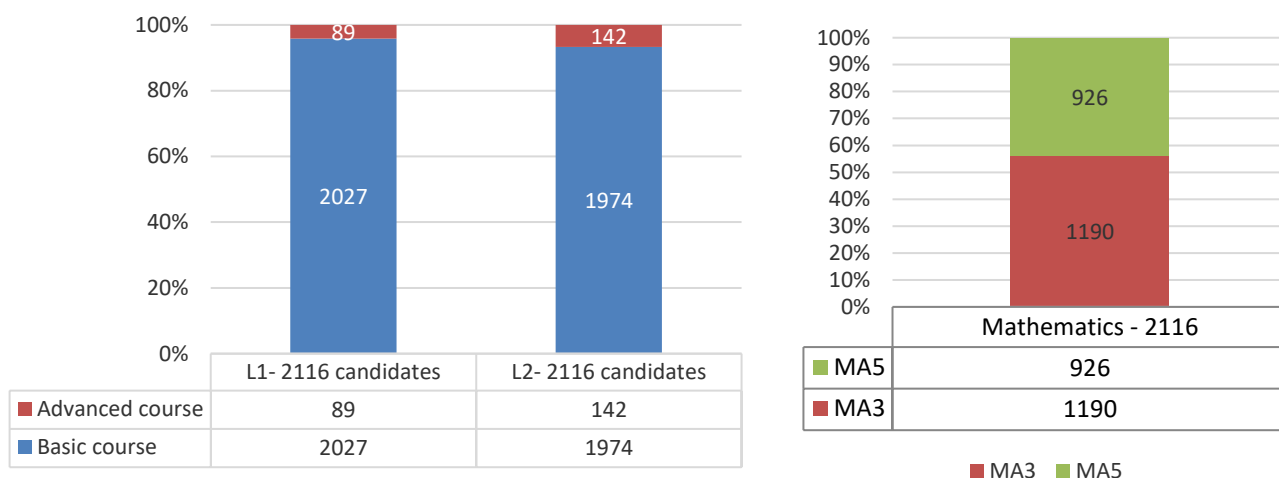
Literary Subjects	Gender	Number of candidates	Written Average	Percentage
ART	Boys	82	7,82	29,08%
	Girls	200	8,41	70,92%
	Total	282	8,24	
Geography 4P	Boys	158	7,03	59,18%
	Girls	109	7,20	40,82%
	Total	267	7,10	
History 4P	Boys	165	7,02	47,83%
	Girls	180	7,62	52,17%
	Total	345	7,33	
L1 Adv	Boys	22	8,03	24,72%
	Girls	67	8,23	75,28%
	Total	89	8,18	
L2 Adv	Boys	39	7,79	27,46%
	Girls	103	8,27	72,54%
	Total	142	8,14	
L3-	Boys	297	8,06	44,13%
	Girls	376	8,35	55,87%
	Total	673	8,23	
L4-	Boys	99	7,77	31,33%
	Girls	217	8,02	68,67%
	Total	316	7,94	
MU4	Boys	12	6,71	44,44%
	Girls	15	7,17	55,56%
	Total	27	6,96	
Philo 4P	Boys	89	7,70	37,24%
	Girls	150	7,80	62,76%
	Total	239	7,76	

Literary subjects



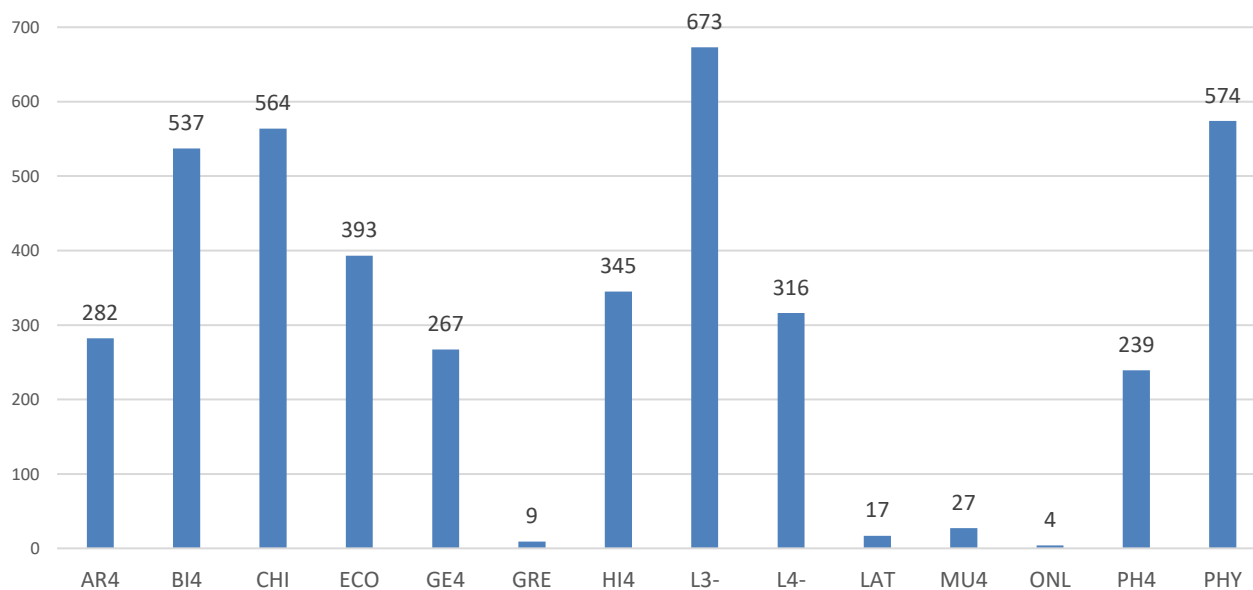
6.6. European Baccalaureate examinations and most popular written and oral examination options

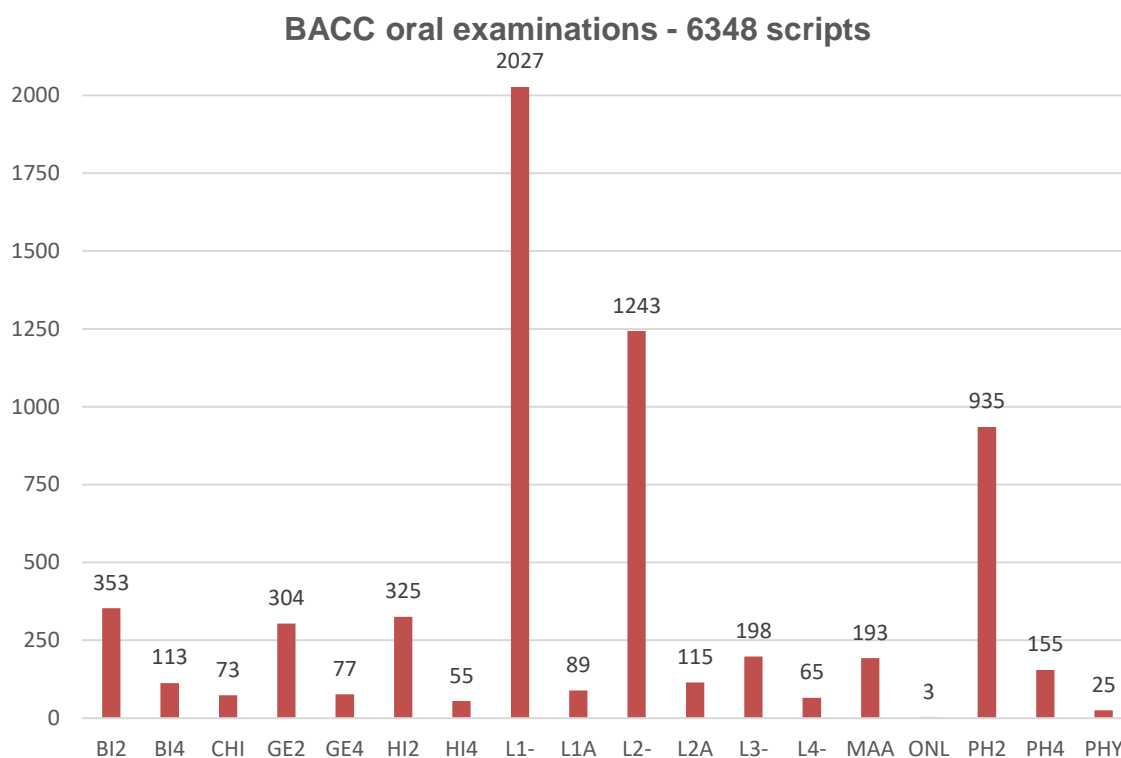
Compulsory Written examinations – 2116 candidates



Option written examinations: 4247 scripts (2116 x 2 options = 4232 + 15 add. exams)

Option BACC written examinations - 2447 scripts

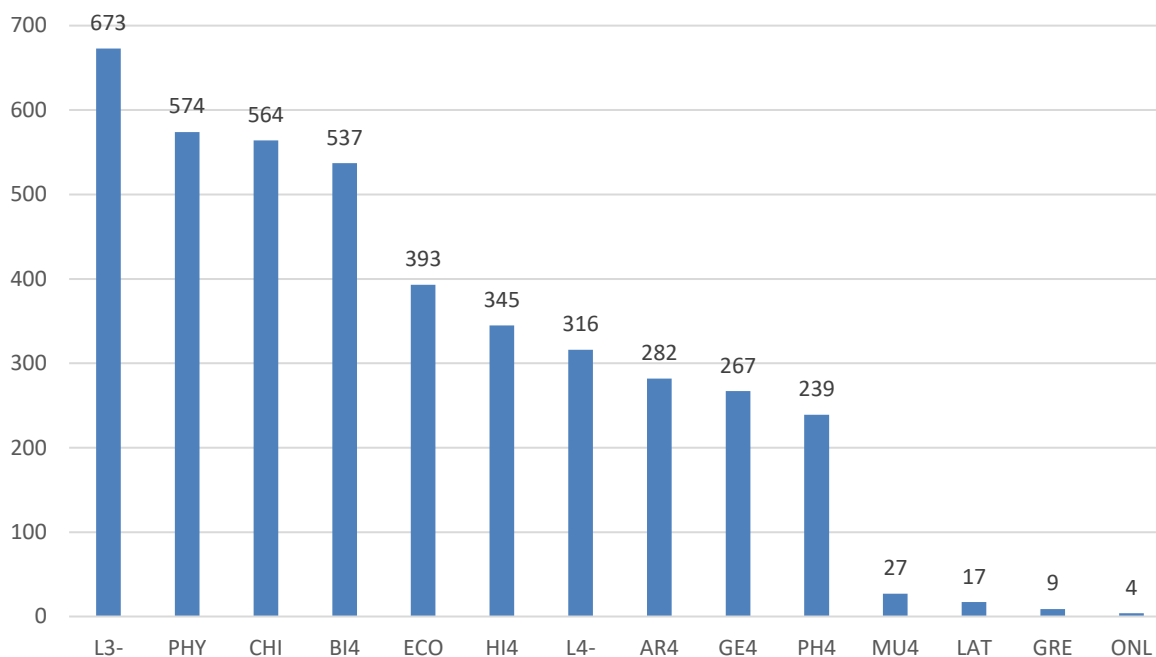


Oral examinations: 6348 orals (2116 x 3 = 6348 oral examinations)**6.6.1. Most popular written choices**

The five most chosen options for the written examinations this year were: Language III (English LIII being the most popular choice: 245 candidates), Physics, Chemistry, Biology and Economics.

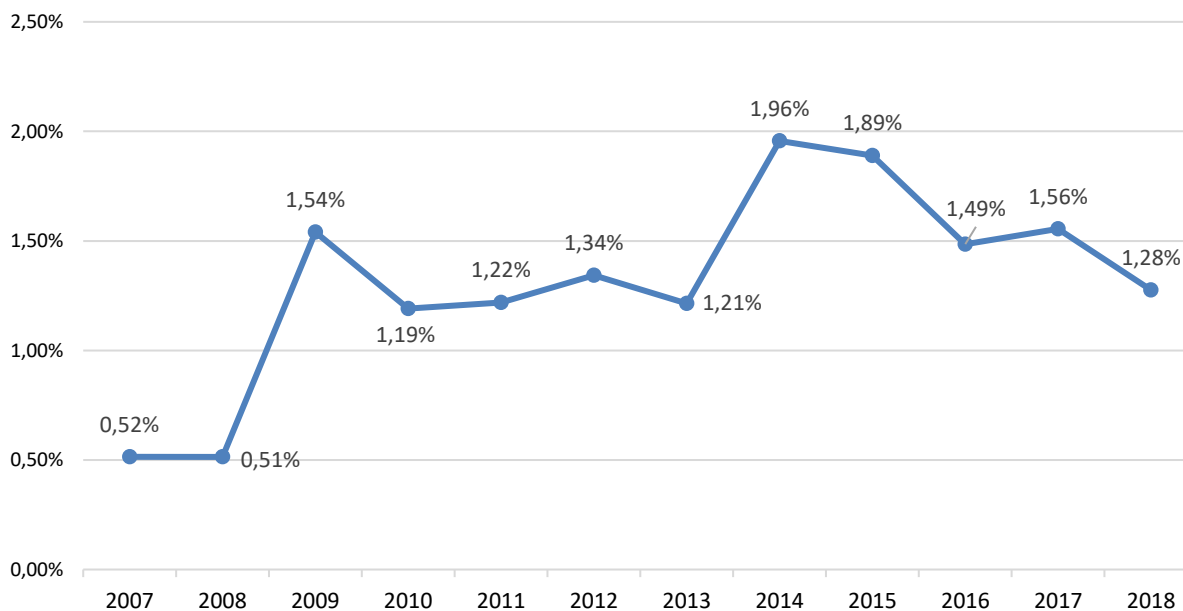
Options of written examinations	Number of candidates BAC 2016	Percentage of candidates BAC 2016	Number of candidates BAC 2017	Percentage of candidates BAC 2017	Number of candidates BAC 2018	Percentage of candidates BAC 2018
LANGUAGE III	636	33.74%	641	32.15%	673	31.81%
PHYSICS	502	26.63%	505	25.33%	574	27.13%
CHEMISTRY	471	24.99%	464	23.27%	564	26.65%
BIOLOGY 4	469	24.88%	517	25.93%	537	25.38%
ECONOMICS	338	17.93%	378	18.96%	393	18.57%

Options of the written examinations



Art and Music are among less popular written examinations. Nevertheless, the number of written examinations in Musical education and Art keep similar numbers as previous years.

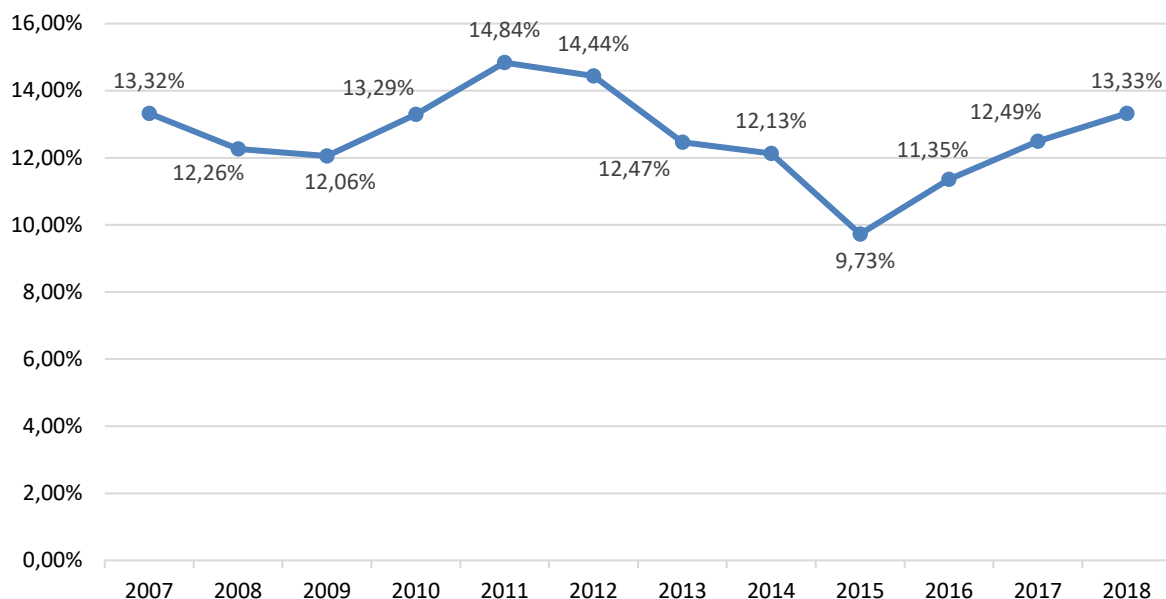
Evolution of the music written examination



Number of candidates per year who chose the music written examination

2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
7	7	23	18	18	20	19	35	34	28	31	27

Evolution of the art written examination

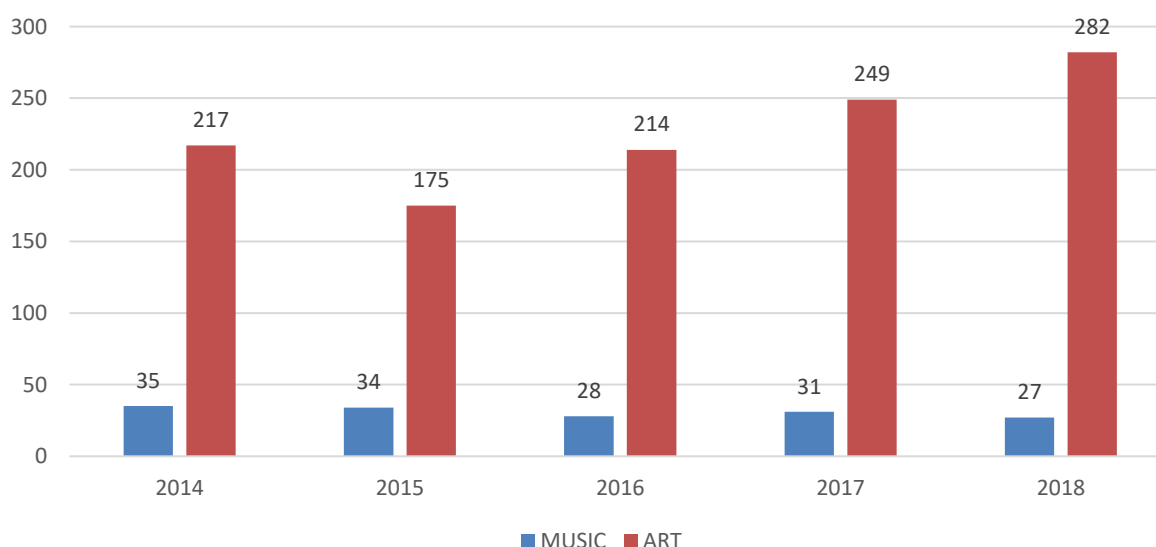


Number of candidates per year who chose the art written examination

2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
181	167	180	201	219	215	195	217	175	214	249	282

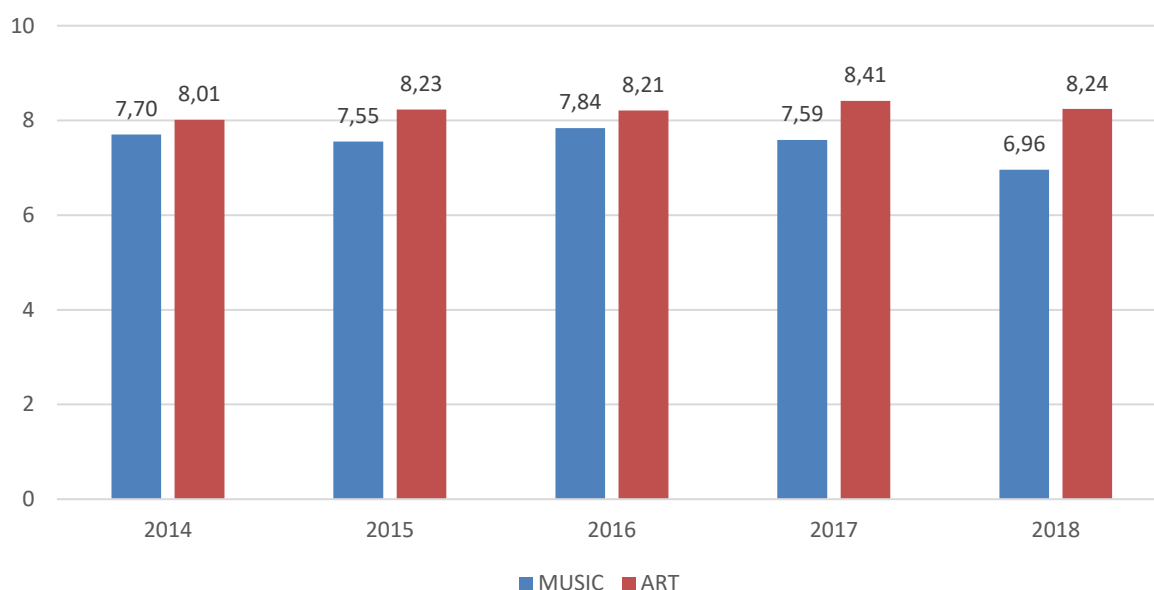
Music Education and Art candidates are in keep roughly the same rhythm throughout the years, as can be seen in the graph below. It can be remarked that the number of candidates who choose Art is growing gradually.

Art and Music: number of candidates 2014-2018



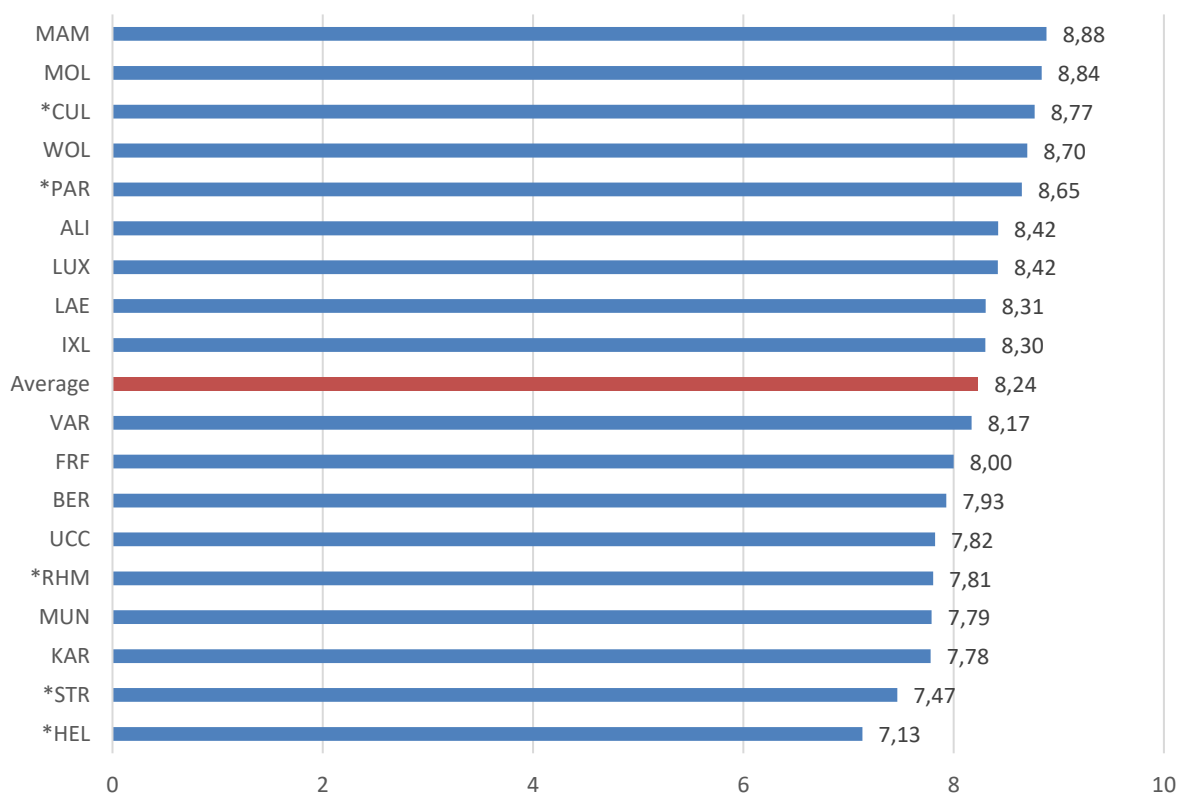
The averages in these disciplines are generally increasing. They tend to show that pupils choose the subjects out of passion, talent and competence, not just by mere curiosity or simple need to complete their schedule.

Art and Music: evolution of the written average



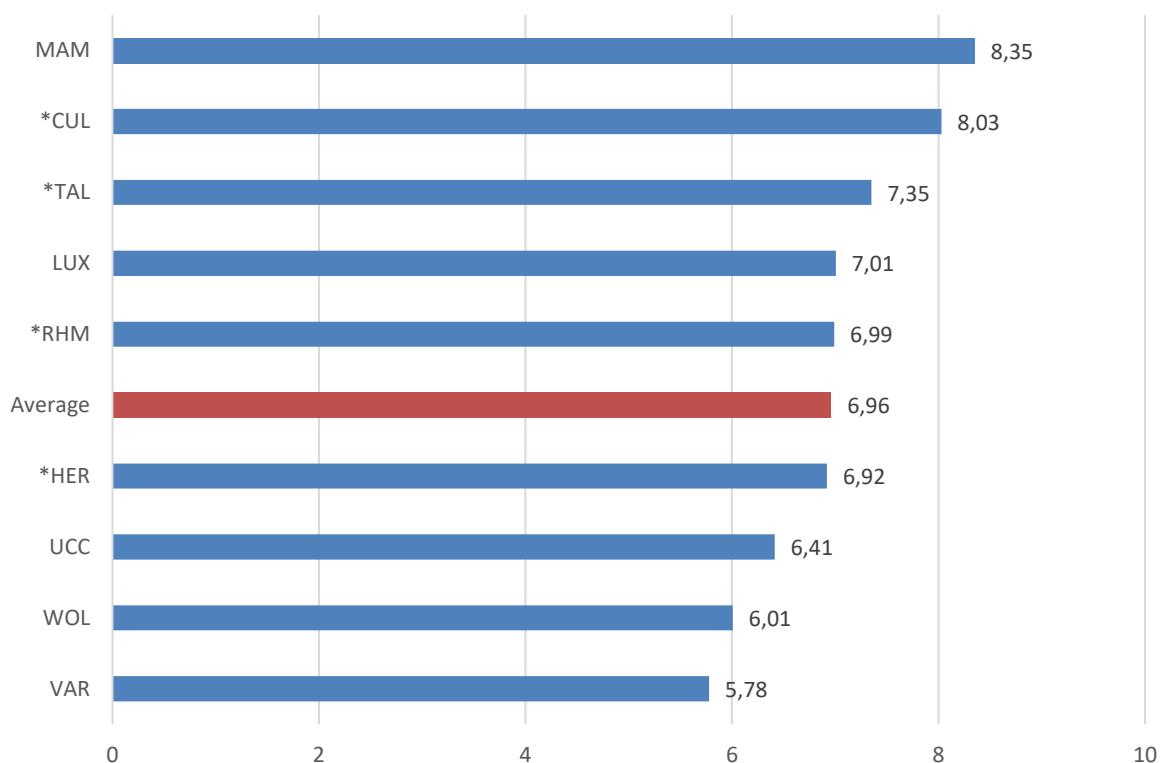
General average in Art at the 2018 European Baccalaureate, per school: 8.24.

Art average per school



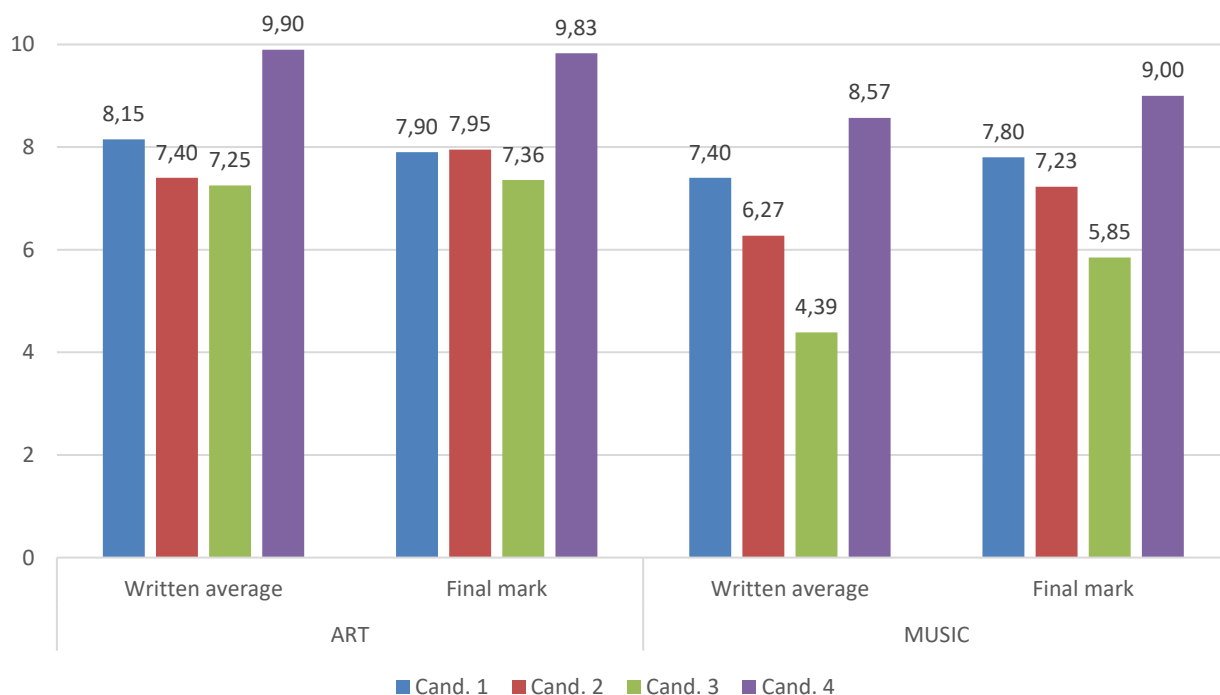
General average in Music at the 2018 European Baccalaureate, per school: 6.96.

Music average per school



4 candidates took both Art and Music examination. 3 girls and 1 boy.

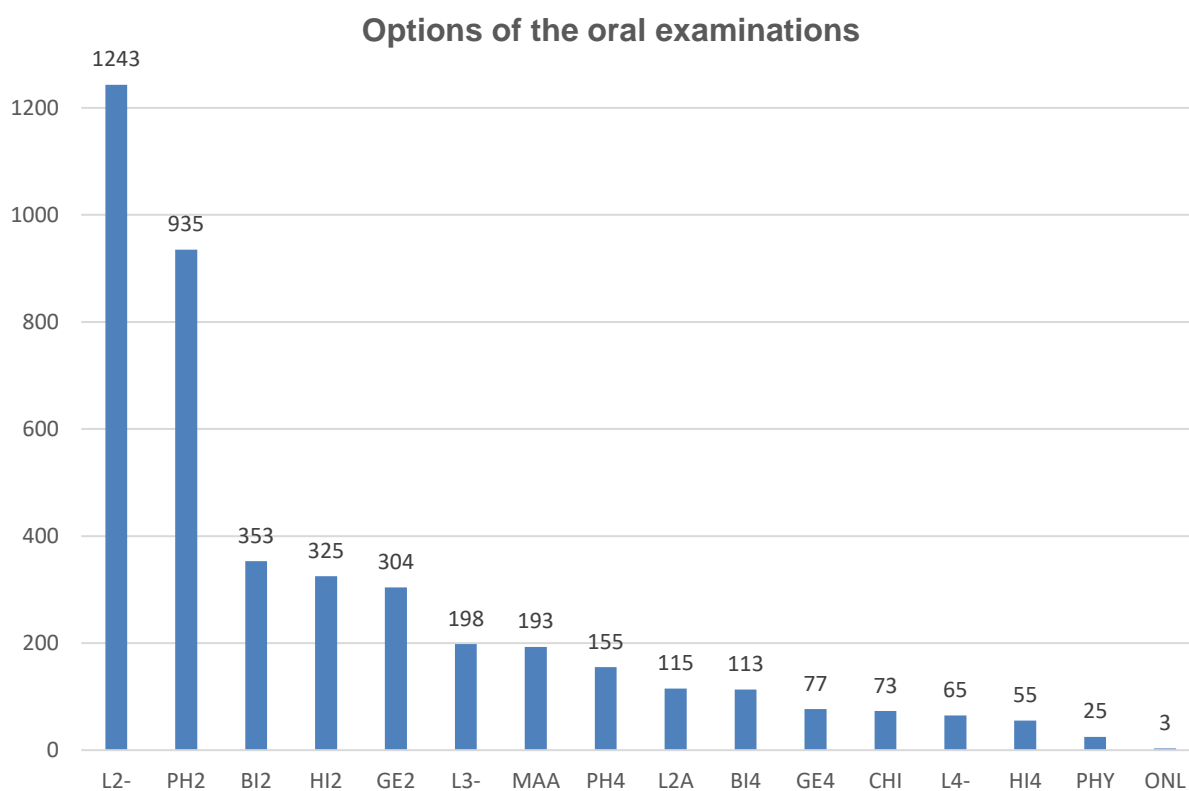
Pupils having chosen both Art and Music



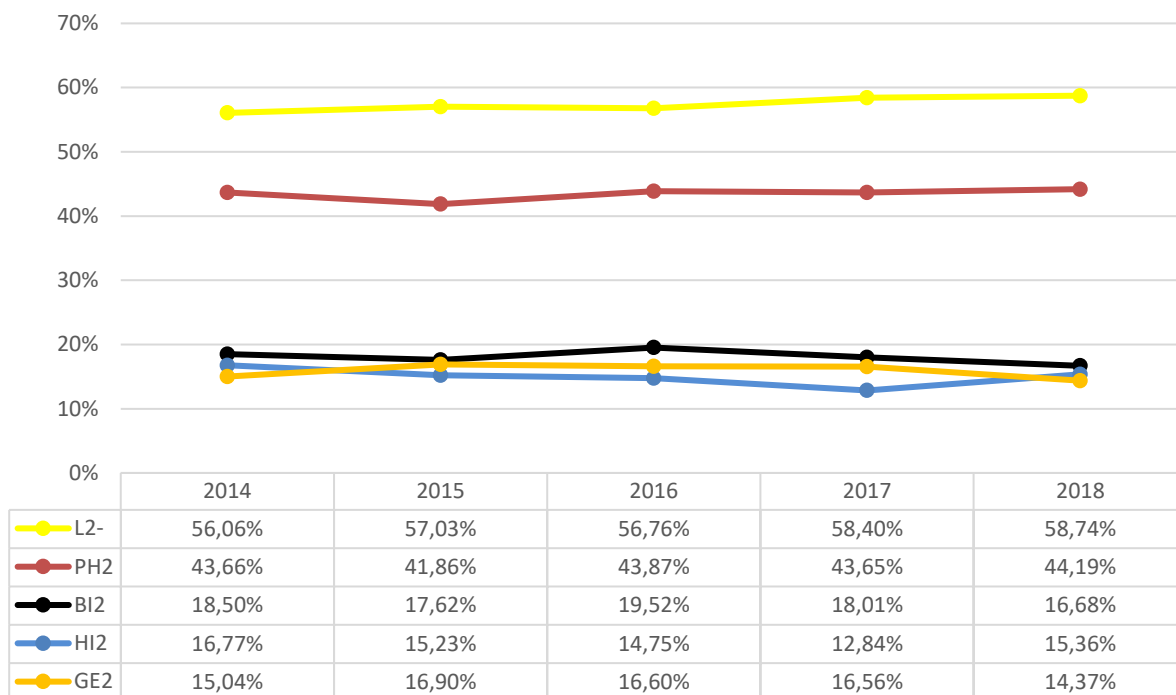
6.6.2. Most popular oral choices

The five most widely chosen options for the oral examinations in 2017 were: Language II (English: 893), Philosophy 2, Biology 2, History 2 and Geography 2.

Options of oral examinations	Number of candidates BAC 2016	Percentage of candidates BAC 2016	Number of candidates BAC 2017	Percentage of candidates BAC 2017	Number of candidates BAC 2018	Percentage of candidates BAC 2018
LANGUAGE II	1070	56.76%	1164	58.40%	1243	58.74%
PHILOSOPHY 2	827	43.87%	870	43.65%	935	44.19%
BIOLOGY 2	368	19.52%	359	18.01%	353	16.67%
HISTORY 2	278	14.75%	256	12.84%	325	15.36%
GEOGRAPHY 2	313	16.60%	330	16.56%	304	14.37%

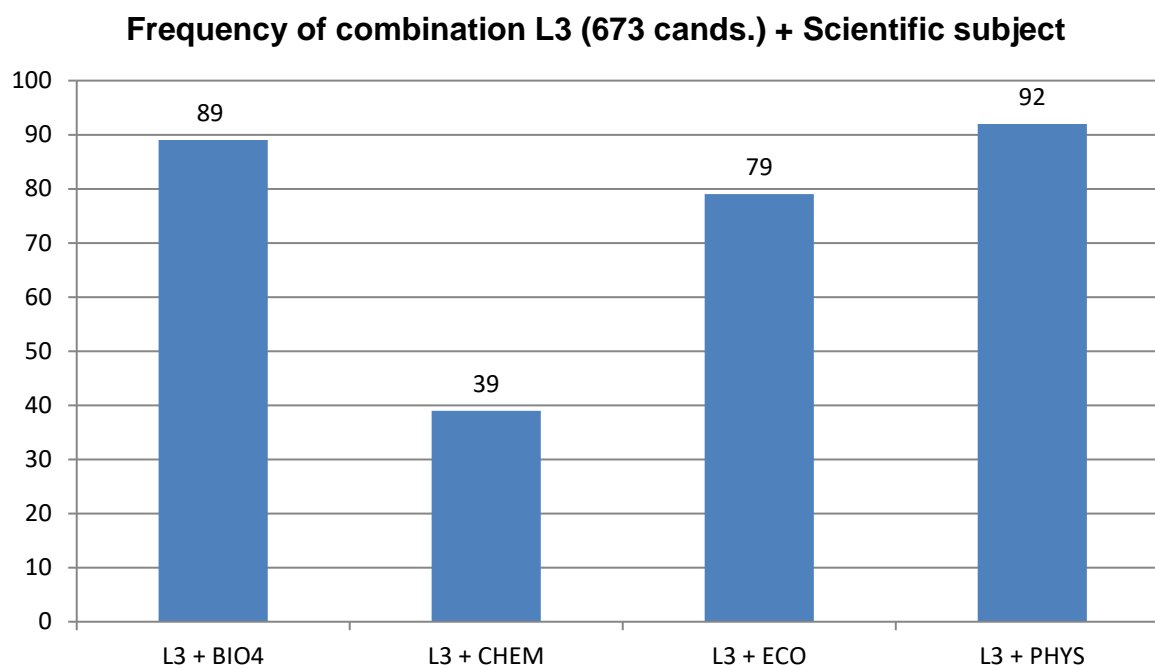


Oral candidates evolution



6.6.3. Combination L3 + Sciences

673 candidates took a written examination in Language III. Out of these, 299 combined this examination with an examination in one scientific subject. Only 1 pupil combined L3 with 2 scientific subjects (Chemistry and Physics). In this graph we can see a frequency of combination:

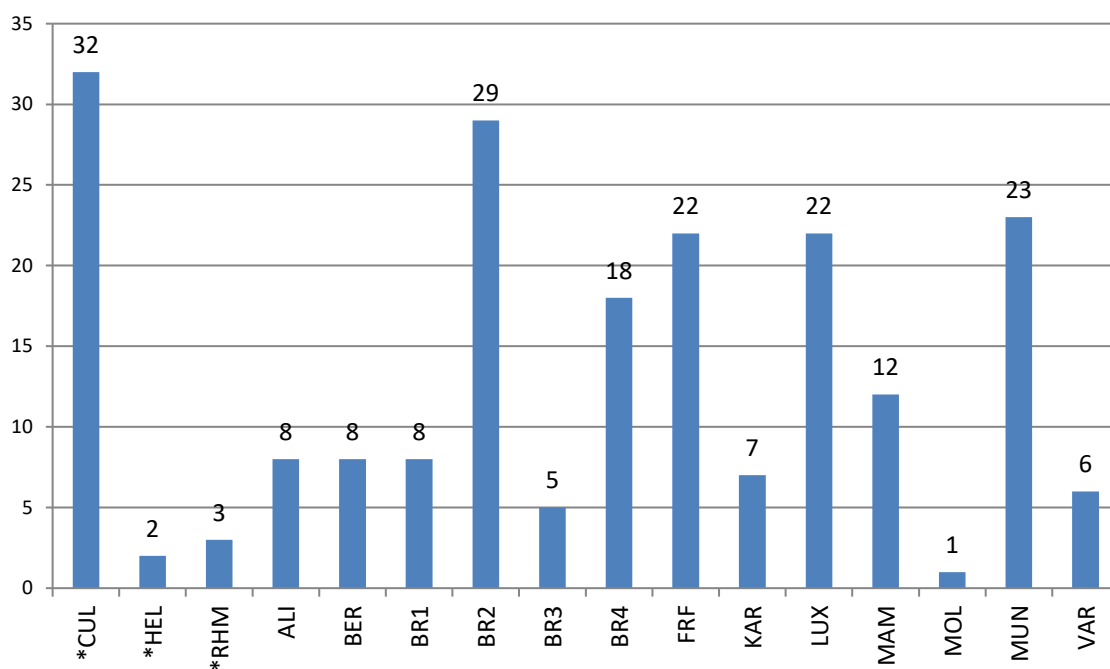


The graph shows that candidates with language orientation are also interested in mastering sciences in line with European key competences for lifelong learning.

6.7. Students Without A Language Section (SWALS)

This year, 206 Students Without A Language Section registered for the European Baccalaureate session.

Number of Students without a language section (SWALS: 206)

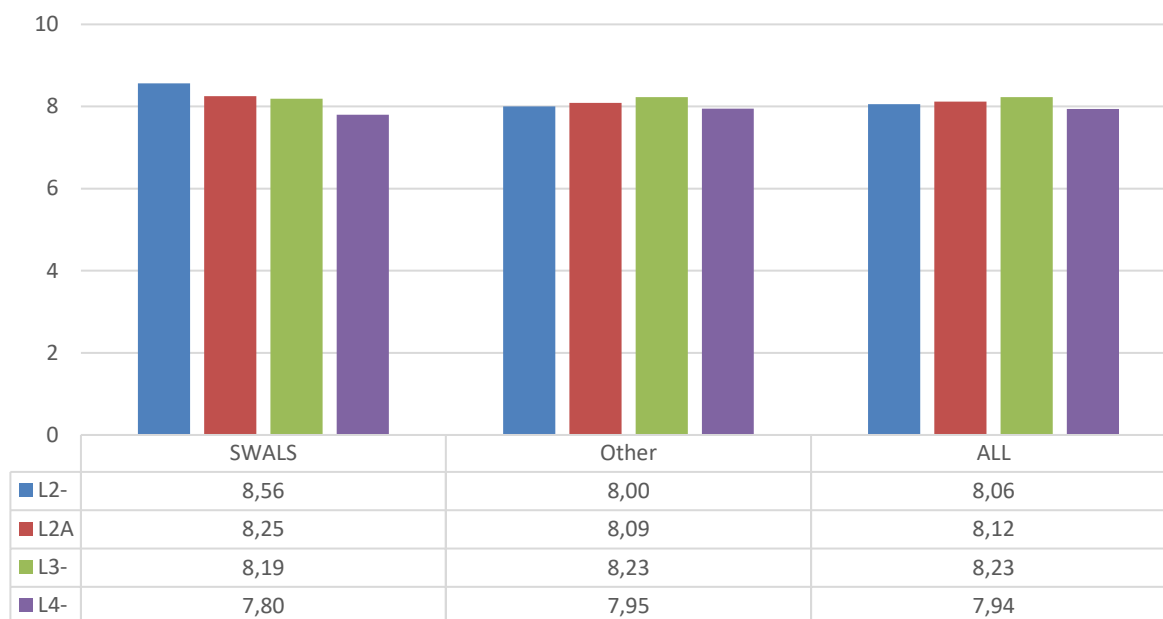


The average Final Mark achieved by SWALS candidates this year has been of 80.73.

3 SWALS candidates failed.

In the following graph are shown their performance in Languages II, II Adv, III and IV. It can be observed that their performance in L2 and L2 Adv is higher than the average, a little bit less than the average in LIII and in LIV.

SWALS: Final written examination mark in Languages



Here are some results of the SWALS pupils in comparison with the other pupils and the general average. Results where SWALS averages are higher than the others, are highlighted.

	AR4	GE4	GRE	HI4	LAT	MU4	PH4
SWALS	8.48	7.25	8.28	7.37	6.71	6.34	7.85
Other	8.20	7.09	7.49	7.33	8.39	7.04	7.76
ALL	8.24	7.10	7.76	7.33	8.29	6.96	7.76

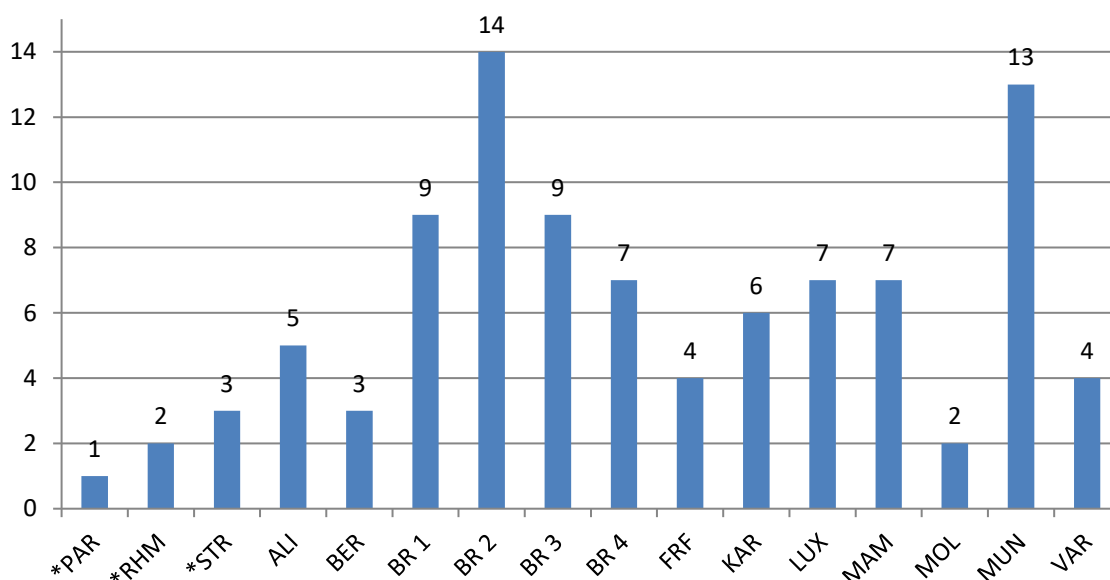
	BI4	CHI	ECO	MA3	MA5	PHY
SWALS	6.81	7.52	7.47	6.18	6.90	8.23
Other	6.75	7.28	7.14	6.13	6.50	7.89
ALL	6.76	7.31	7.17	6.14	6.54	7.92

6.8. Final Results for Pupils with Special Arrangements

6.8.1. Candidates

96 candidates were granted special measures to the written and/or oral examinations at the 2018 EB session. 9 of them were SWALS.

Number of pupils per school with special arrangements

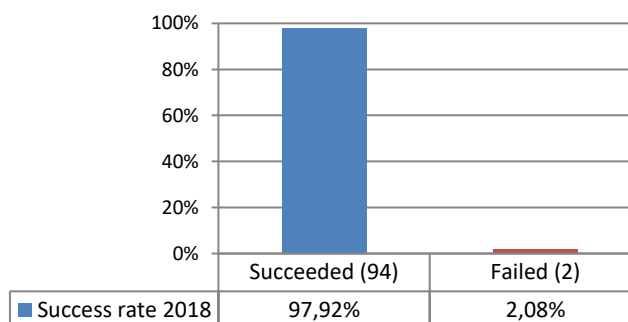


These measures mainly consisted in extra time, use of laptop (with or without spell check), and use of calculator. Other more exceptional measures consisted in allowing a reader, a scribe, a separate room, having a break under surveillance, change of format of the examination subject paper, etc.

6.8.2. Success Rate

94 pupils out of 96 succeeded, all SWALS candidates included.

Success rate

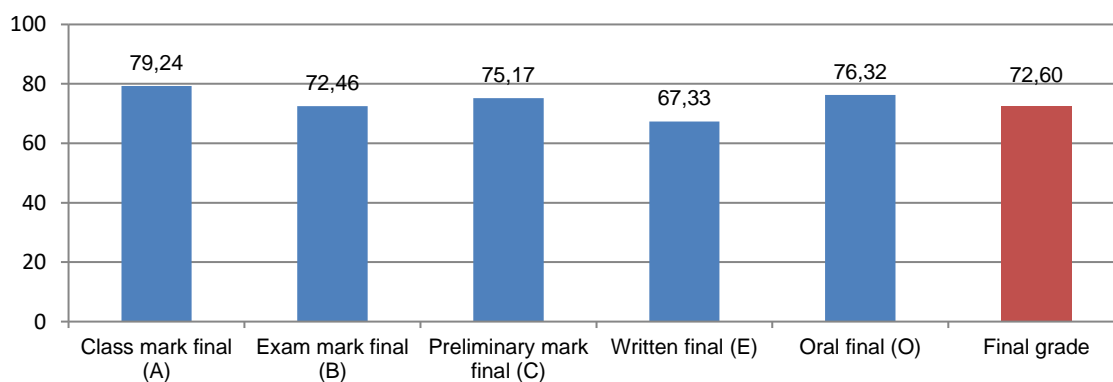


6.8.3. Choices of examinations

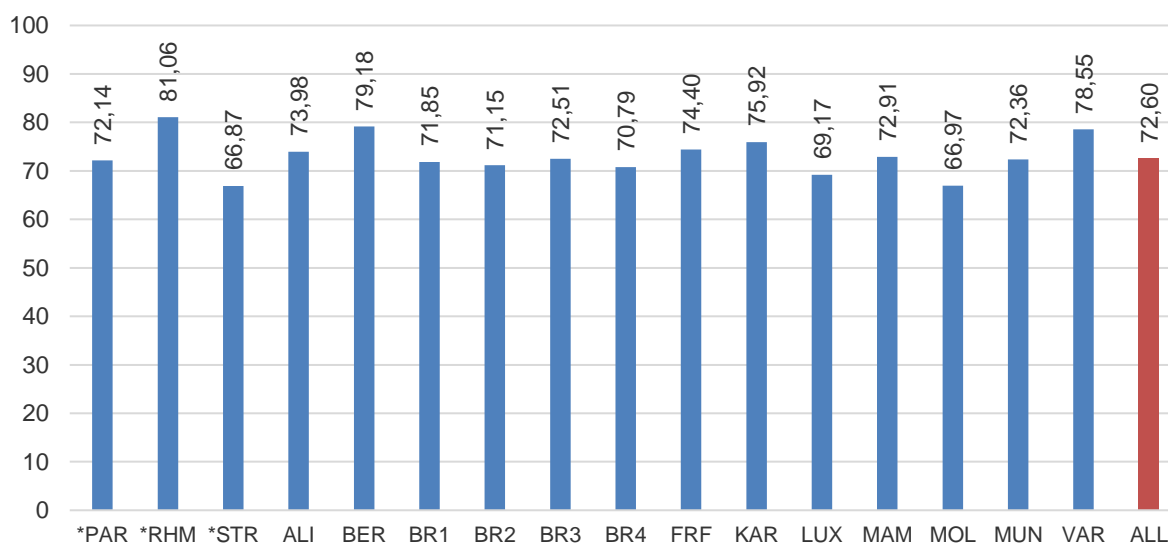
Subjects	Number of pupils who took the written exam	Average of Written examination marks (W)	Number of pupils who took the oral exam	Average of Oral examination marks (O)
AR4	25	7,91		
BI2			22	6,58
BI4	21	6,07	6	7,92
CHI	19	6,65	1	9,00
ECO	10	7,06		
GE2			22	6,57
GE4	17	6,79	2	7,00
HI2			21	7,27
HI4	21	6,41	2	8,50
L1-	91	6,71	91	7,75
L1A	5	6,84	5	8,50
L2-	90	7,30	46	8,29
L2A	6	8,03	4	9,19
L3-	22	8,11	14	8,45
L4-	17	7,95	2	9,50
LAT				
MA3	68	5,21		
MA5	28	5,32		
MAA			3	8,75
MU4	3	6,20		
ONL				
PH2			37	7,18
PH4	18	7,47	8	7,38
PHY	21	7,18	2	7,25
Total / average	96 candidates for 480 scripts + 2 additional exams	6,73	96 candidates for 288 oral exams	7,63
Total / average ALL	2116 candidates for 10595 written exams	7,40	2116 candidates for 6348 oral exams	8,16

6.8.4. Overall final mark

Candidates with special arrangements: General averages

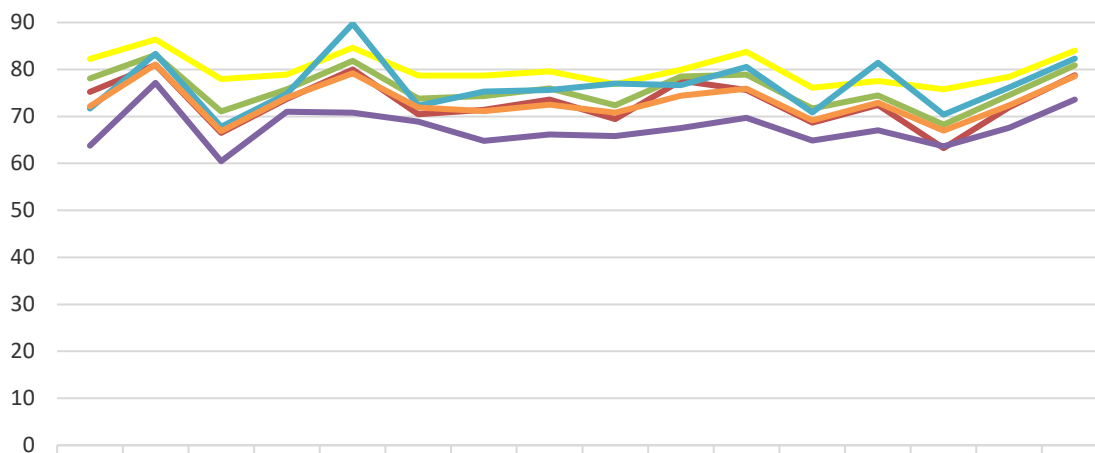


Special arrangements candidates: Average final mark per school



6.8.5. Distribution of marks

Average marks: Marks A, B, C, E, O and final grade



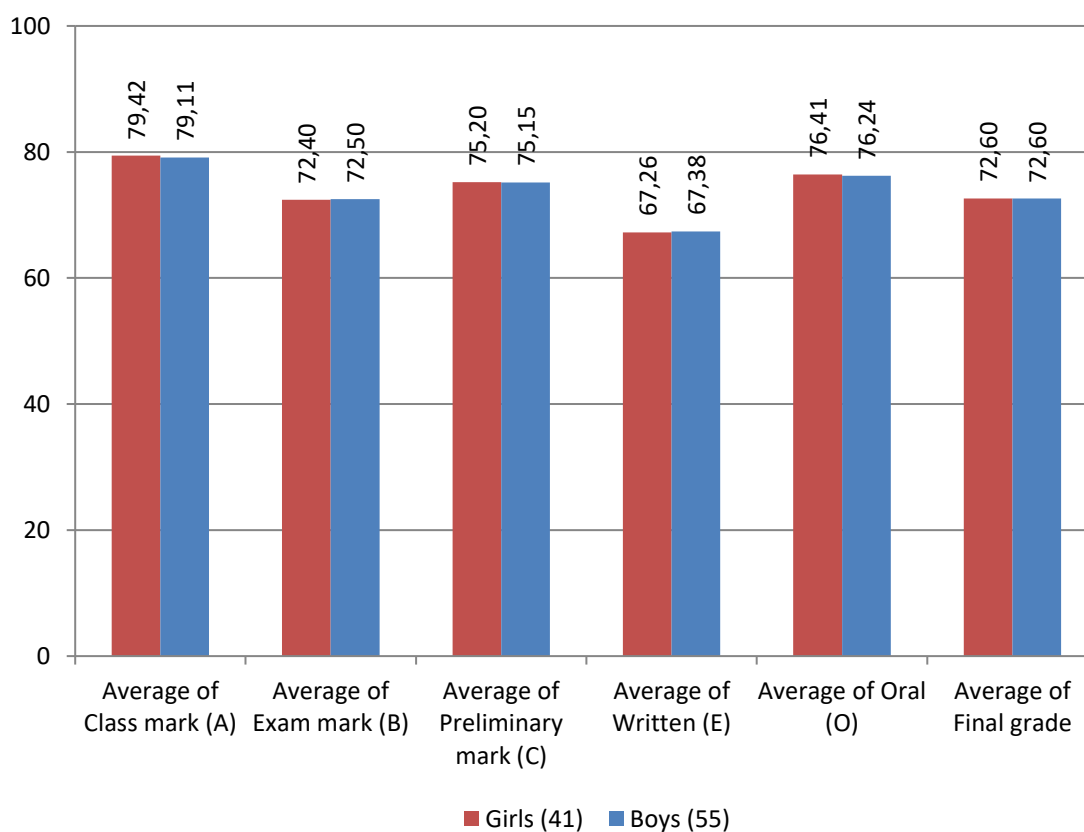
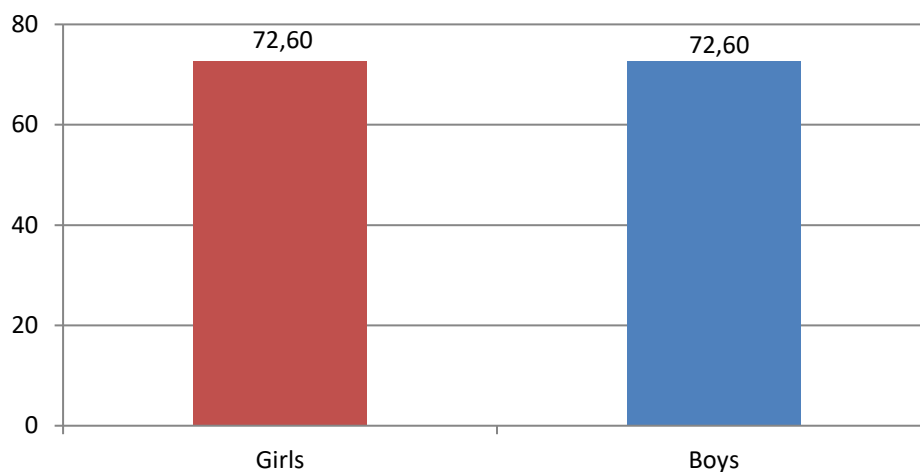
	*PAR	*RHM	*STR	ALI	BER	BR 1	BR 2	BR 3	BR4	FRF	KAR	LUX	MAM	MOL	MUN	VAR
Class mark final (A)	82,25	86,38	77,97	78,92	84,64	78,68	78,73	79,60	76,89	79,93	83,74	76,14	77,56	75,78	78,41	84,05
Exam mark final (B)	75,25	80,98	66,47	73,71	80,00	70,49	71,39	73,57	69,41	77,58	75,62	68,68	72,46	63,25	71,94	78,76
Preliminary mark (C)	78,10	83,10	71,07	75,80	81,87	73,78	74,33	75,98	72,39	78,50	78,90	71,66	74,49	68,25	74,54	80,88
Written final (E)	63,80	77,15	60,47	71,00	70,80	68,90	64,83	66,19	65,84	67,55	69,68	64,89	67,01	63,65	67,60	73,60
Oral final (O)	71,70	83,35	67,80	74,84	89,73	72,32	75,29	75,66	77,03	76,68	80,55	70,84	81,43	70,40	76,16	82,30
Final grade	72,14	81,06	66,87	73,98	79,18	71,85	71,15	72,51	70,79	74,40	75,92	69,17	72,91	66,97	72,36	78,55

6.8.6. Results per gender and averages

Out of the 96 candidates with special arrangements, 55 were boys and 41 were girls.

2 candidates failed: 1 girl and 1 boy.

Final mark average per gender



7. Results about the Sciences: Biology, Chemistry, Economic Sciences, Mathematics 3P, Mathematics 5P and Physics

7.1. Final Marks for Science Classes

(Final Mark per subject: $0.50 C + 0.35 W + 0.15 O$)

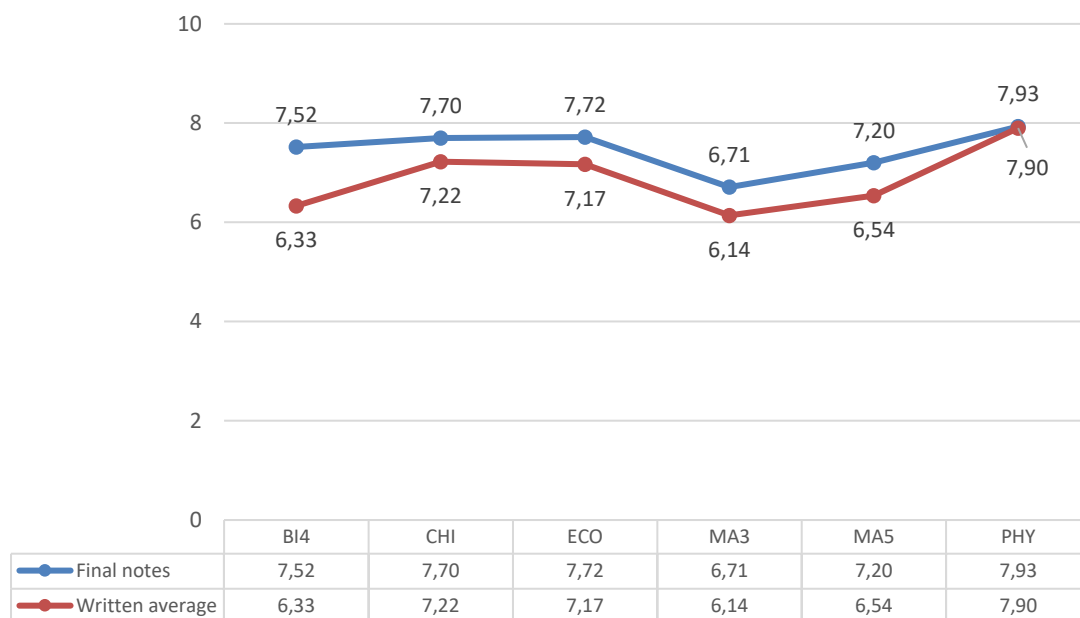
The evolution of the average Final Mark (Marks C + W + O) for the science classes shows substantial stability over the years.

Final mark average for science classes								
	BI2	BI4	CHI	ECO	MA3	MA5	MAA	PHY
2013	7,58	7,52	7,37		6,70	7,13	8,26	7,25
2014	7,57	7,59	7,41	7,43	6,68	7,32	8,34	7,53
2015	7,62	7,46	7,57		6,89	7,46	8,28	7,42
2016	7,59	7,47	7,50	7,56	6,93	7,26	8,31	7,48
2017	7,81	7,60	7,65	7,65	6,71	7,51	8,32	7,74
2018	7,68	7,52	7,70	7,72	6,71	7,20	8,37	7,93

7.2. Comparison of Final Marks / Written Marks of Scientific Courses

The graphs below show that the results in the Chemistry, Maths 3P, Maths 5P and Physics final marks do not differ much from the final written EB mark. However, the number of failures in these subjects is still considerable.

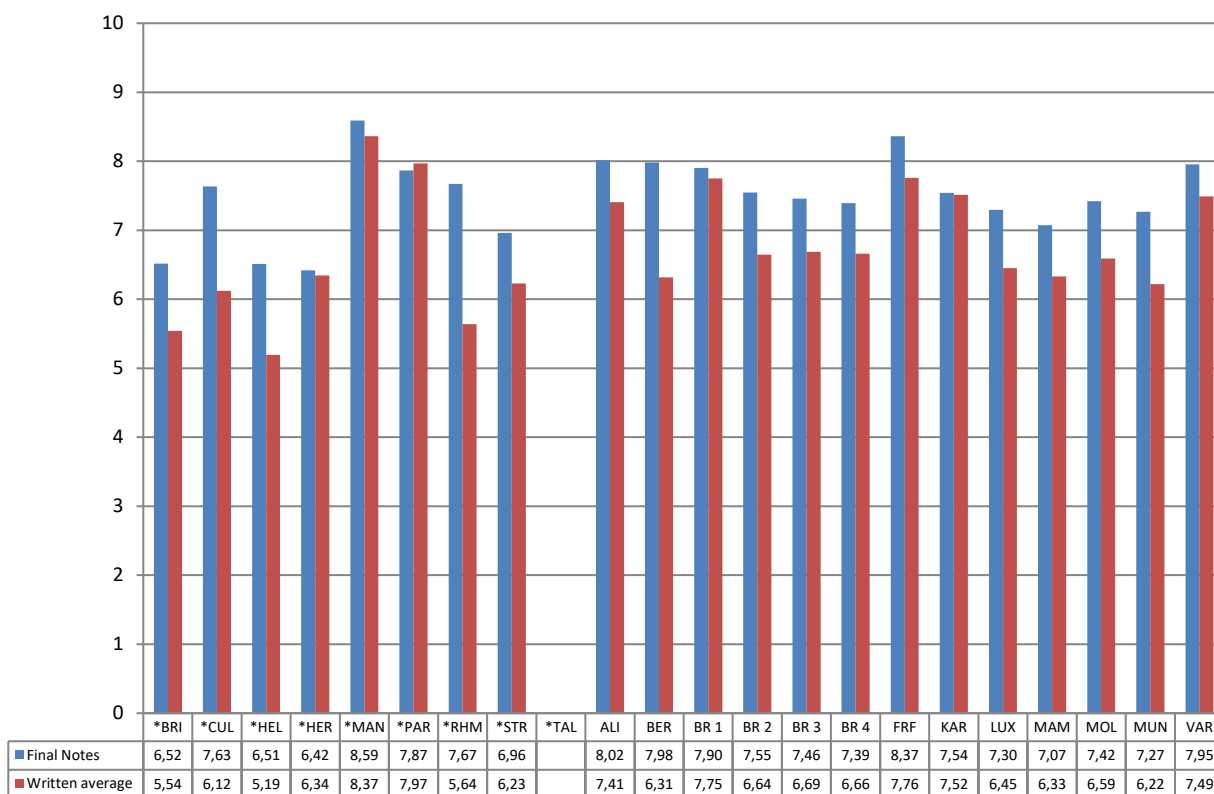
Final Marks / Written Marks of Scientific Courses



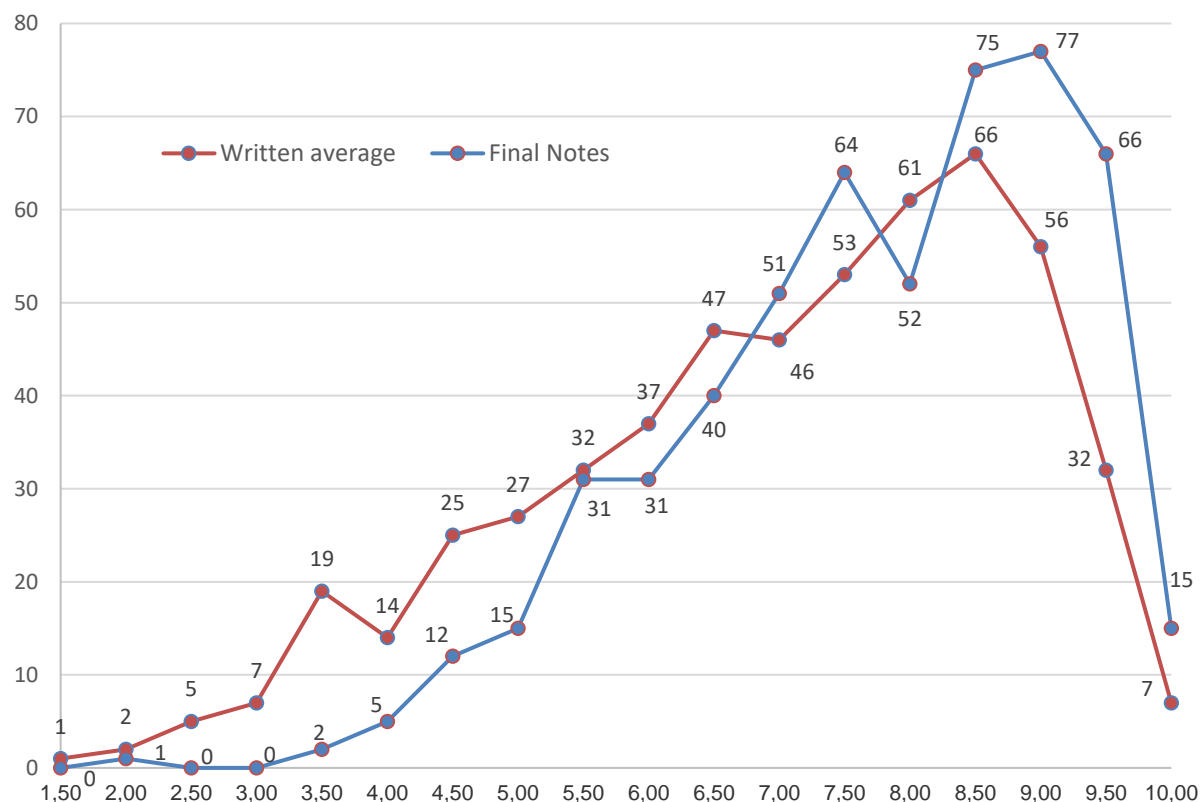
7.2.1. Biology Final Mark (gen average. 7.52)

Detailed results, per school:

Biology: Difference average. Final mark - Written mark



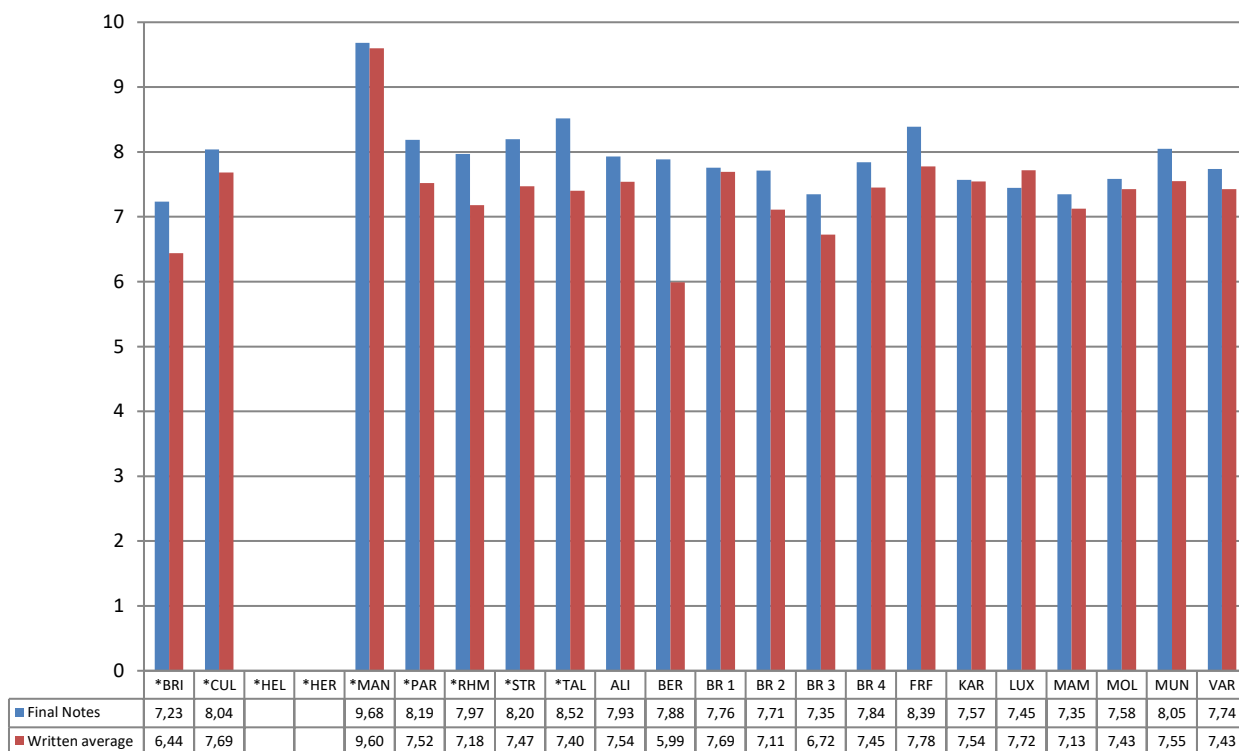
Comparison of Frequency of Marks between Biology Written Exam and Biology Final Mark



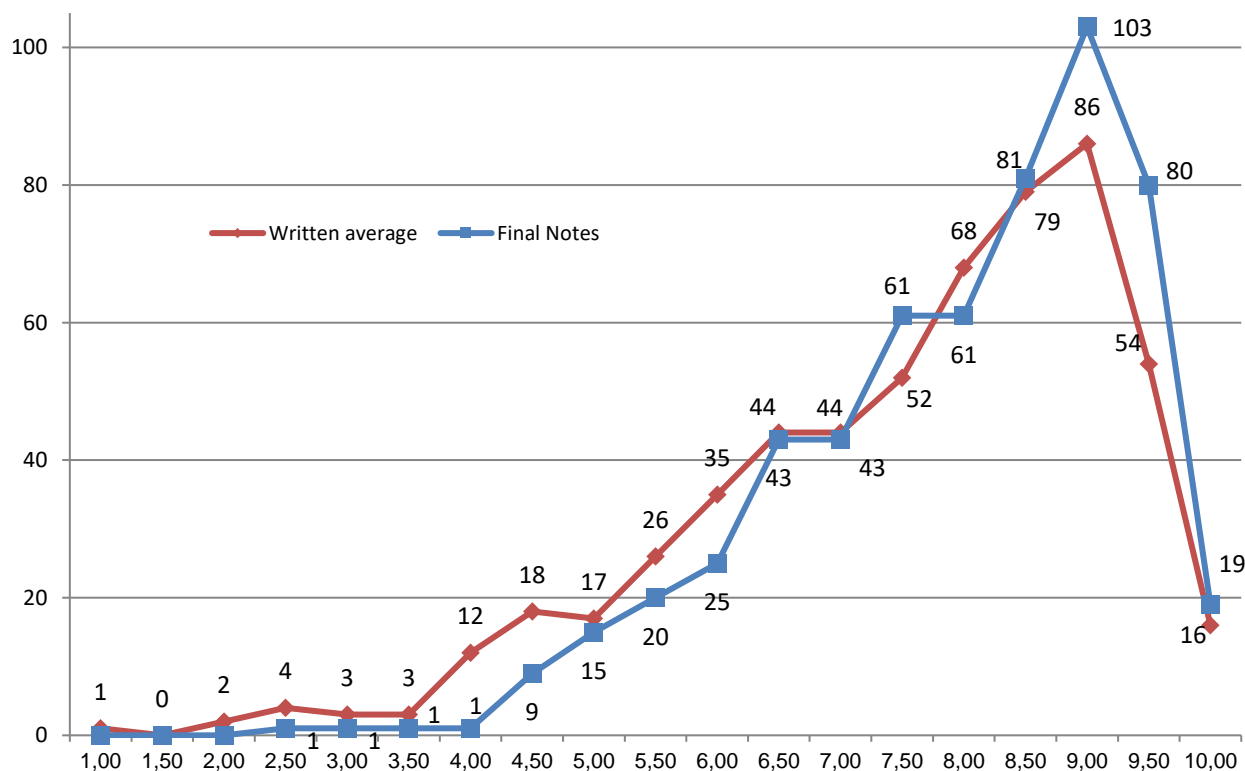
7.2.2. Chemistry Final Mark (gen. average. 7.70)

Detailed results, per school:

Chemistry: Difference average. Final mark - Written mark



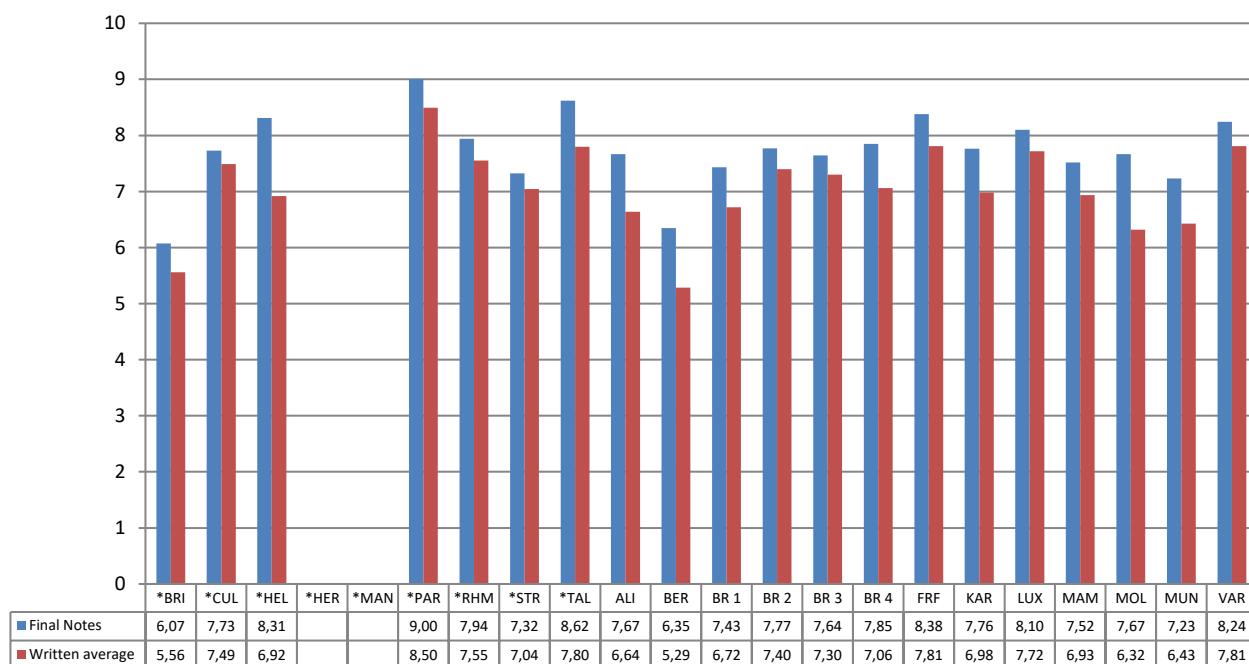
Comparison of Frequency of Marks between Chemistry Written Exam and Chemistry Final Mark



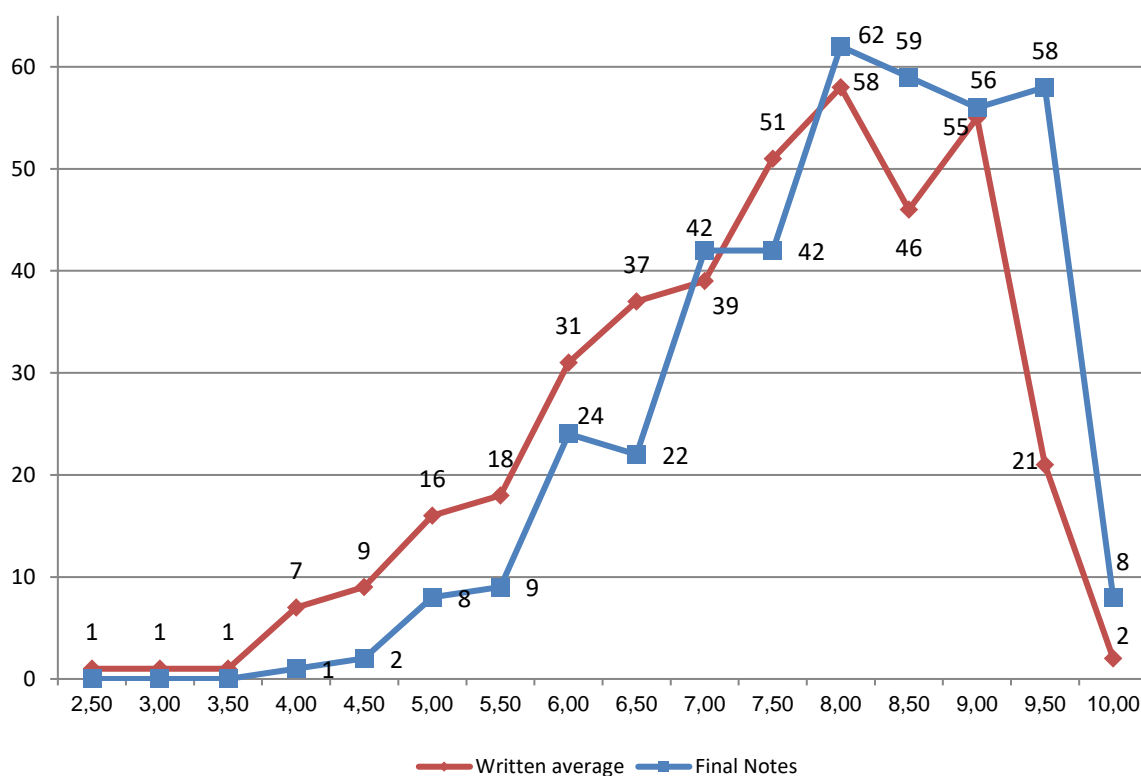
7.2.3. Economics Final Mark (gen. average 7.72)

Detailed results, per school:

Economics: Difference average. Final mark - Written mark



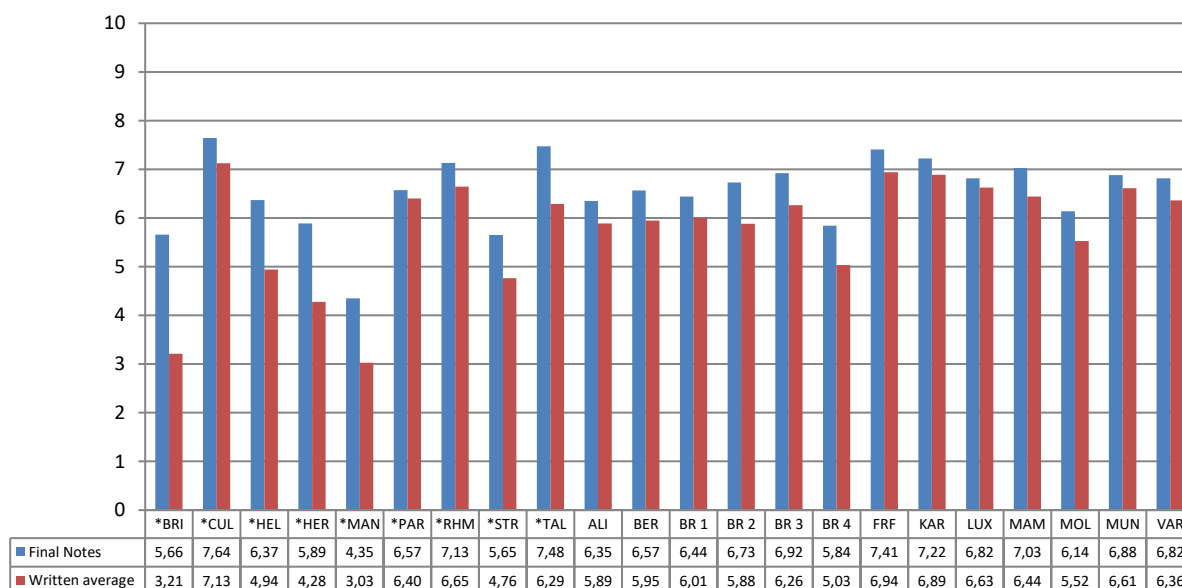
Comparison of Frequency of Marks between Economics Written Exam and Economics Final Mark



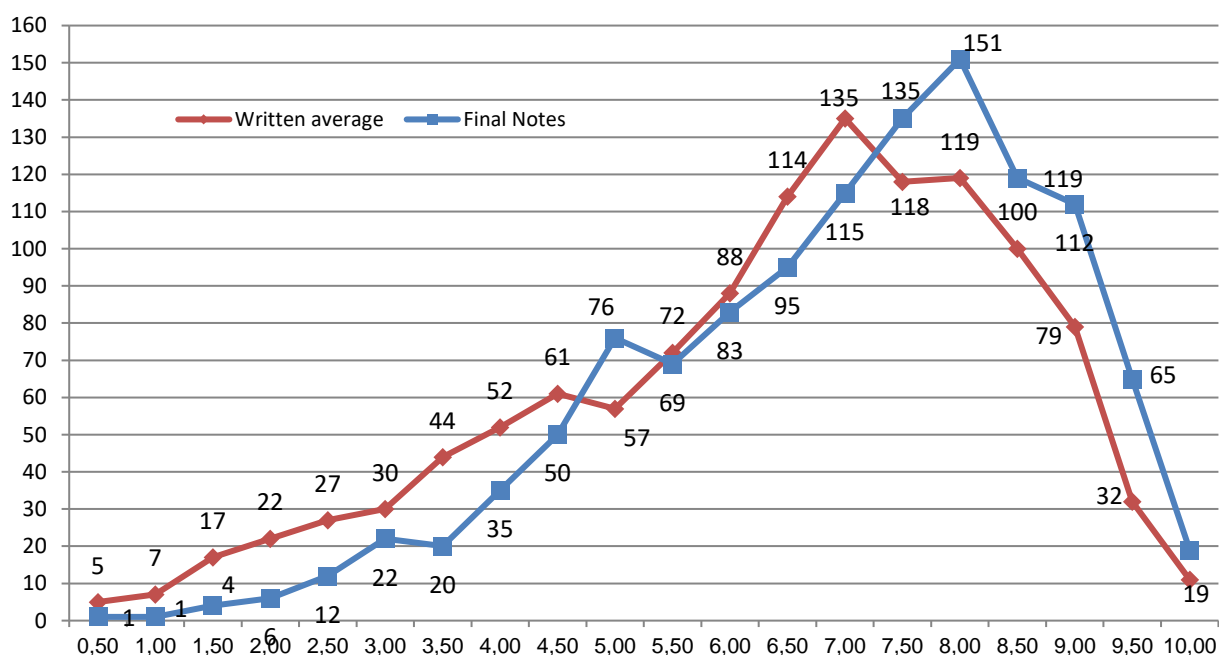
7.2.4. Maths 3P Final Mark (gen. average. 6.71)

Detailed results, per school:

Maths 3P: Difference average. Final mark - Written mark



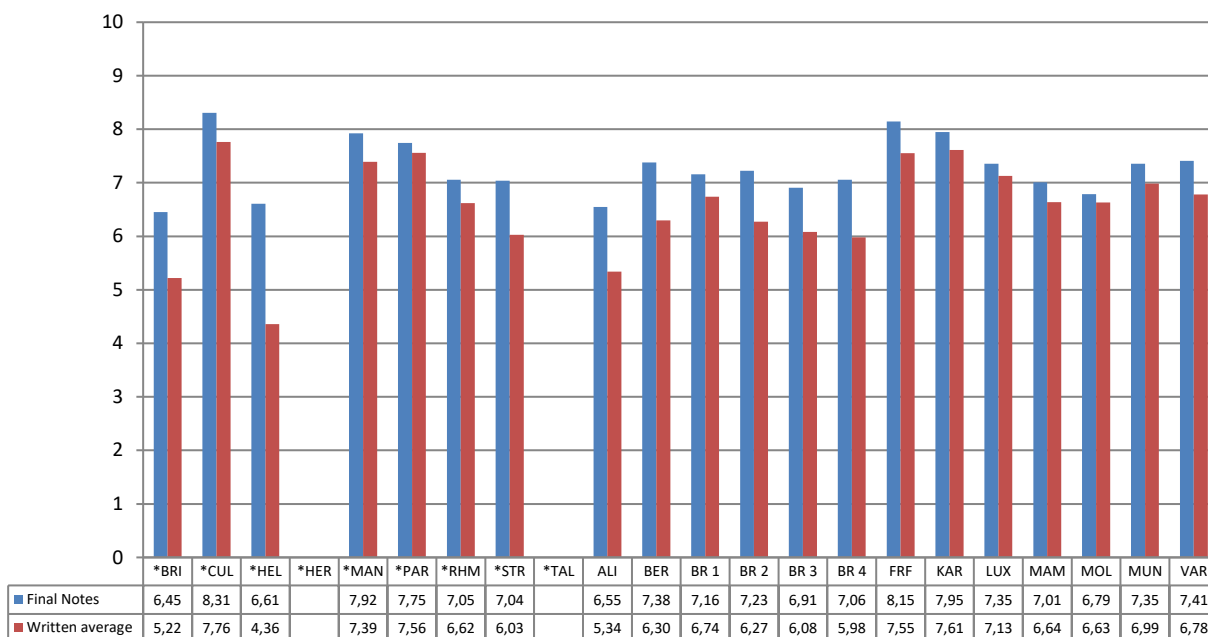
Comparison of Frequency of Marks between MA3 Written Exam and MA3 Final Mark



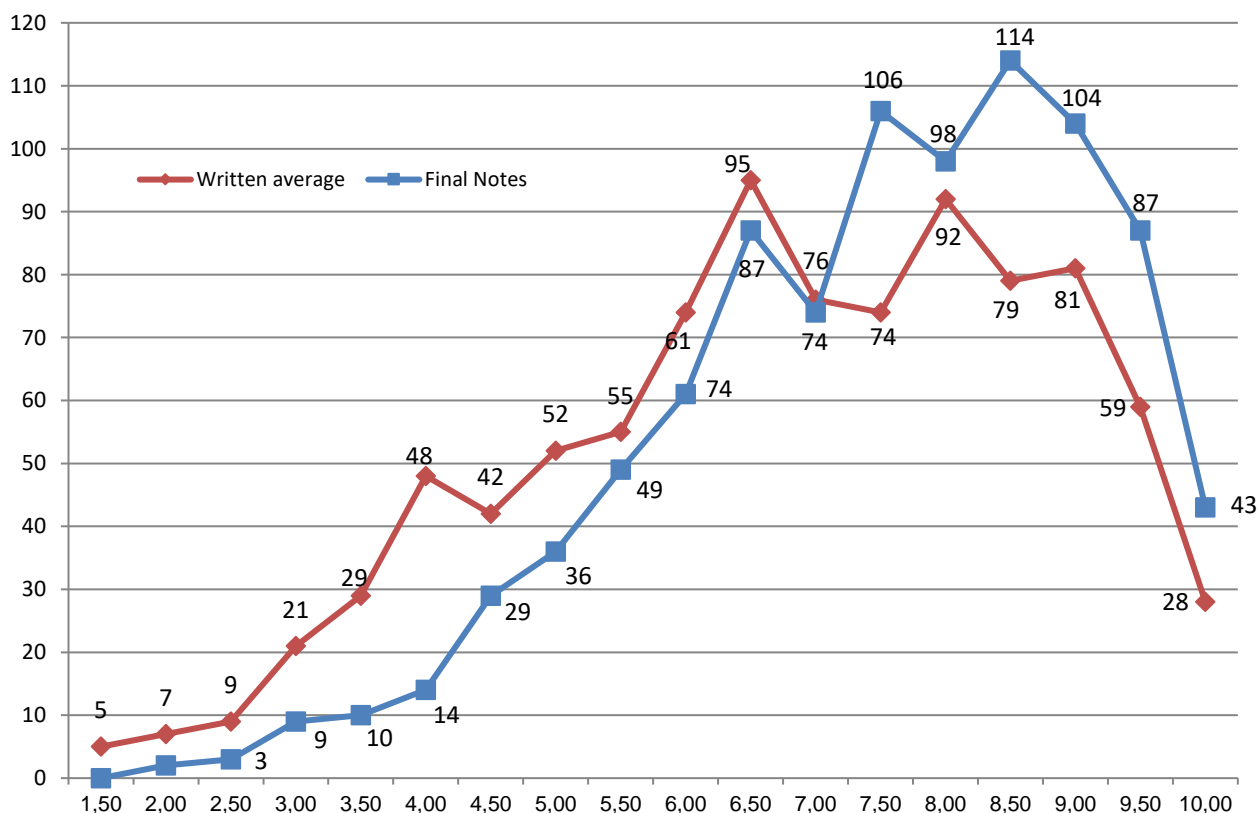
7.2.5. Maths 5P Final Mark (gen. average. 7.20)

Detailed results, per school:

Maths 5P: Difference average. Final mark - Written mark



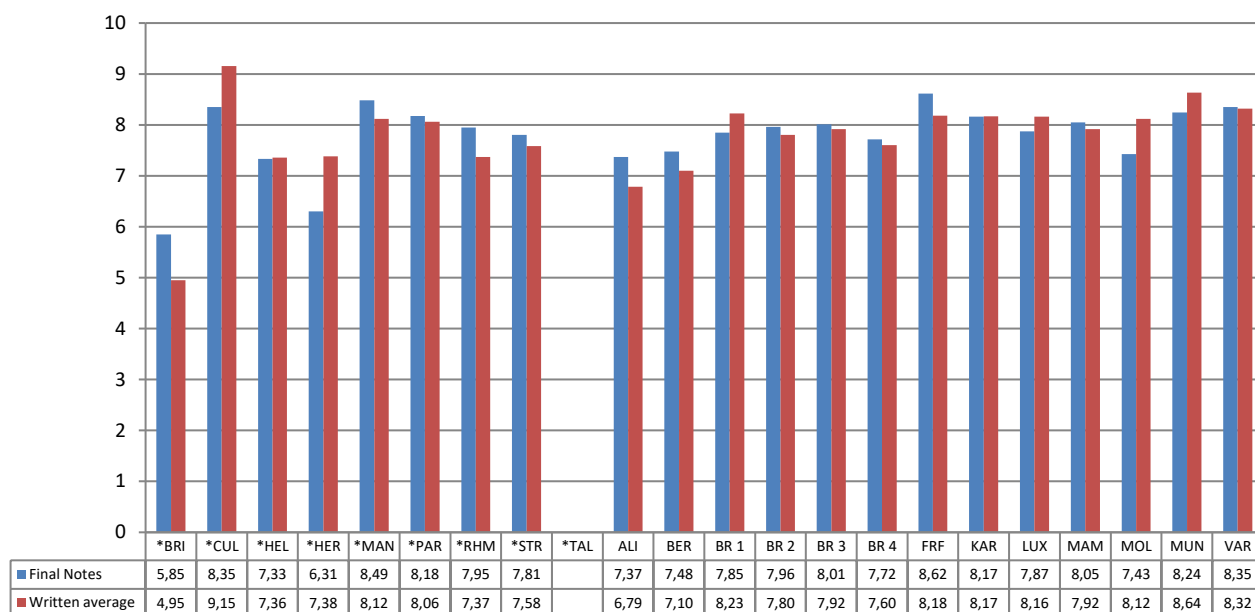
Comparison of Frequency of Marks between MA5 Written Exam and MA5 Final Mark



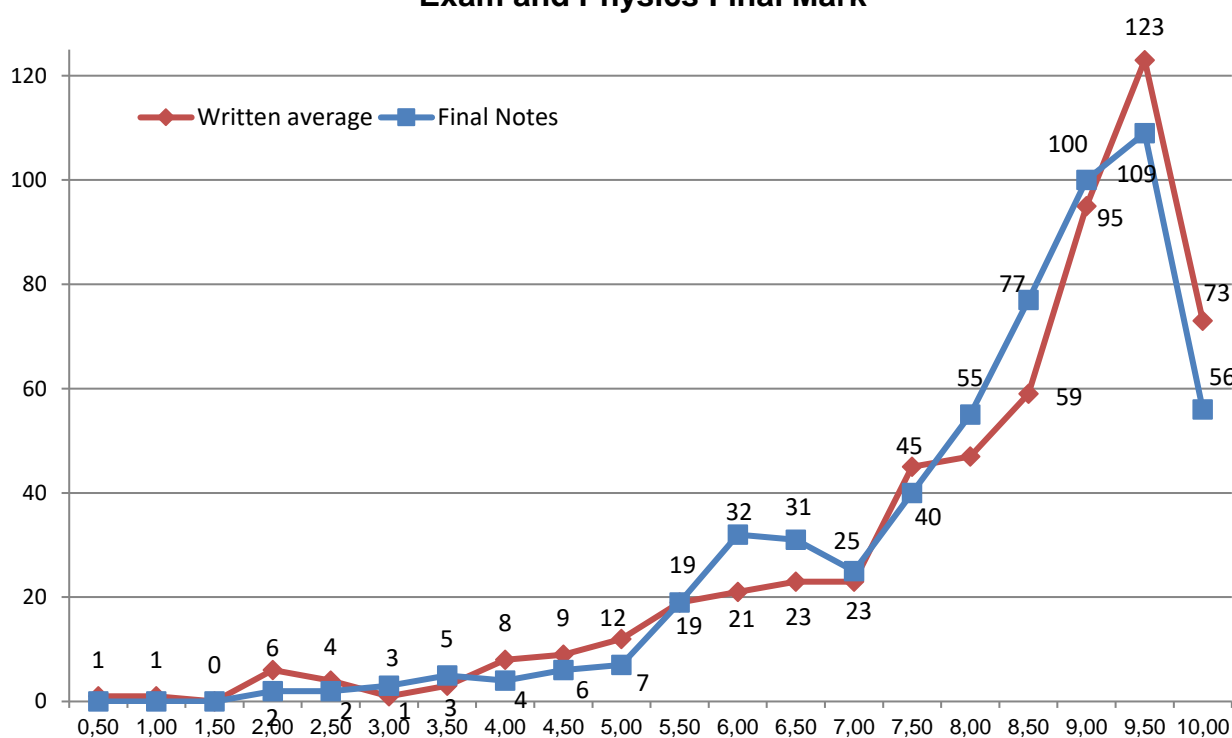
7.2.6. Physics Final Mark (gen. average. 7.93)

Detailed results, per school:

Physics: Difference average. Final mark - Written mark



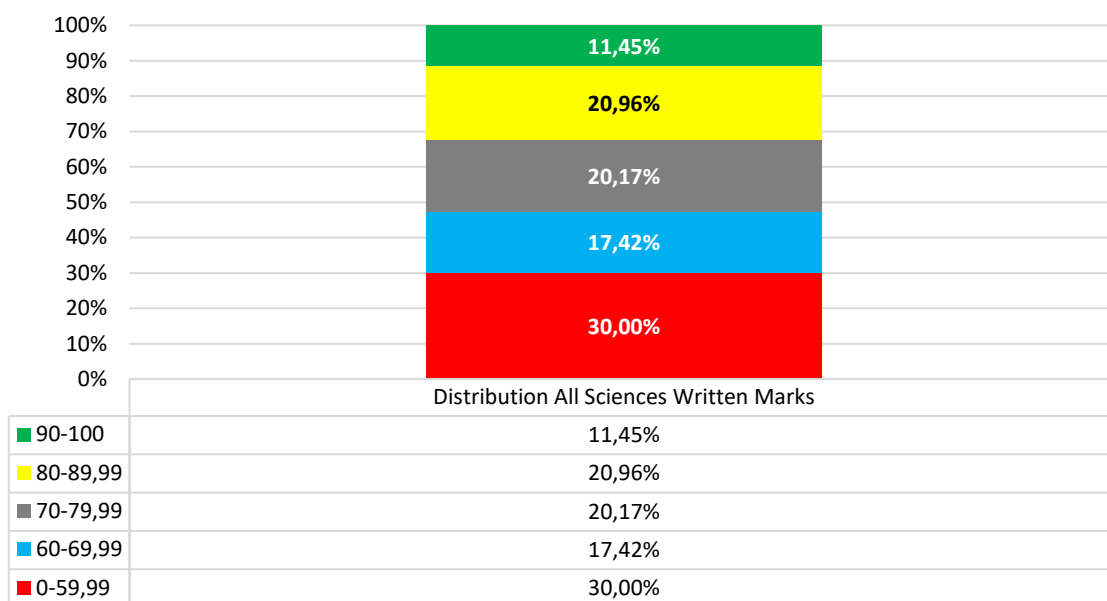
Comparison of Frequency of Marks between Physics Written Exam and Physics Final Mark



7.3. European Baccalaureate Sciences Written Examination Marks Results

The distribution graph below indicates that for all sciences subject examinations considered: Biology, Chemistry, Economics, Math 3p, Math 5p and Physics; the 30% of the scripts did not obtain the pass mark.

Distribution of all 2018 written sciences marks

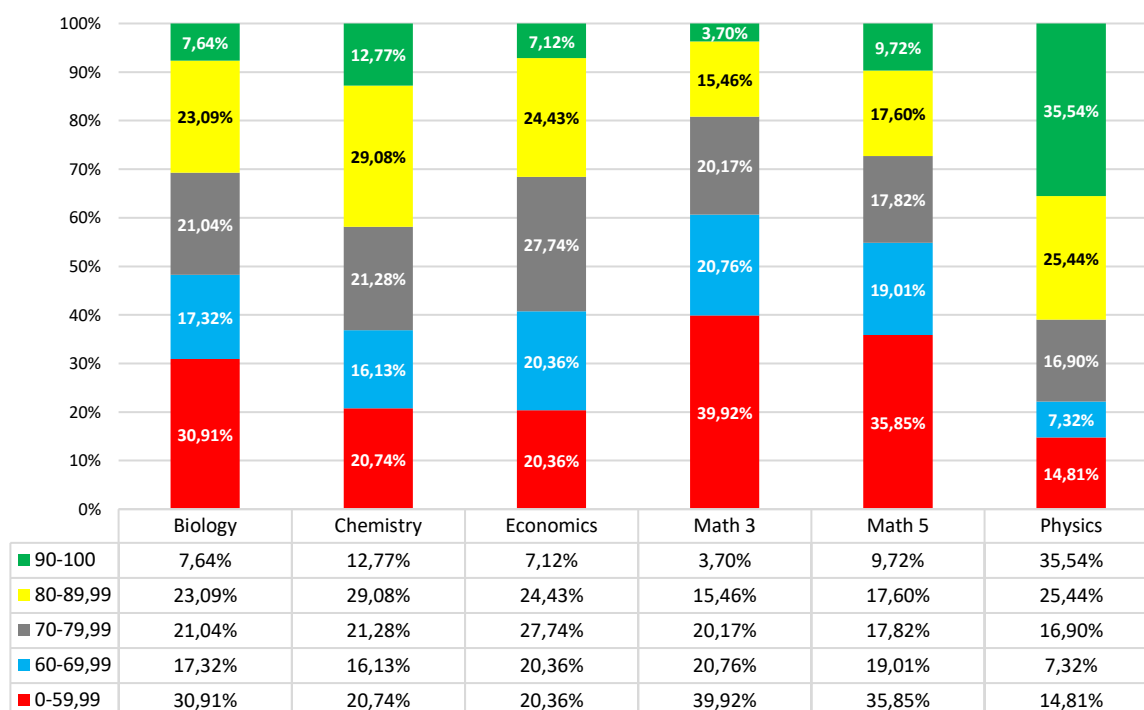


The next distribution table per subject reflects the detail among the sciences subjects distribution of written examination marks.

MA3 is the subject with the highest failure rate with a percentage of 39.92 of pupils not reaching the pass mark of 6.

Whereas Physics has the highest success rate with a percentage of 35.54, of pupils reaching a final written examination mark between 9 and 10.

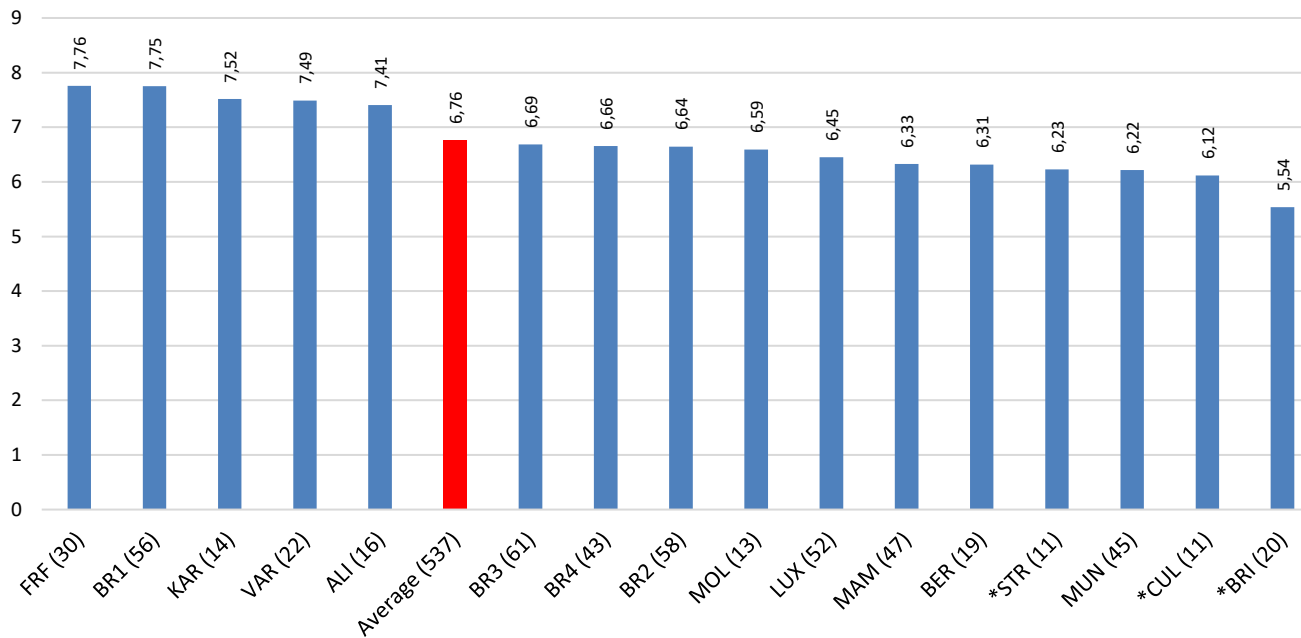
**Distribution written marks 2018
Biology - Chemistry - Economics - MA3 - MA5 - Physics**



7.3.1. Biology (Success rate: 69.09%)⁵

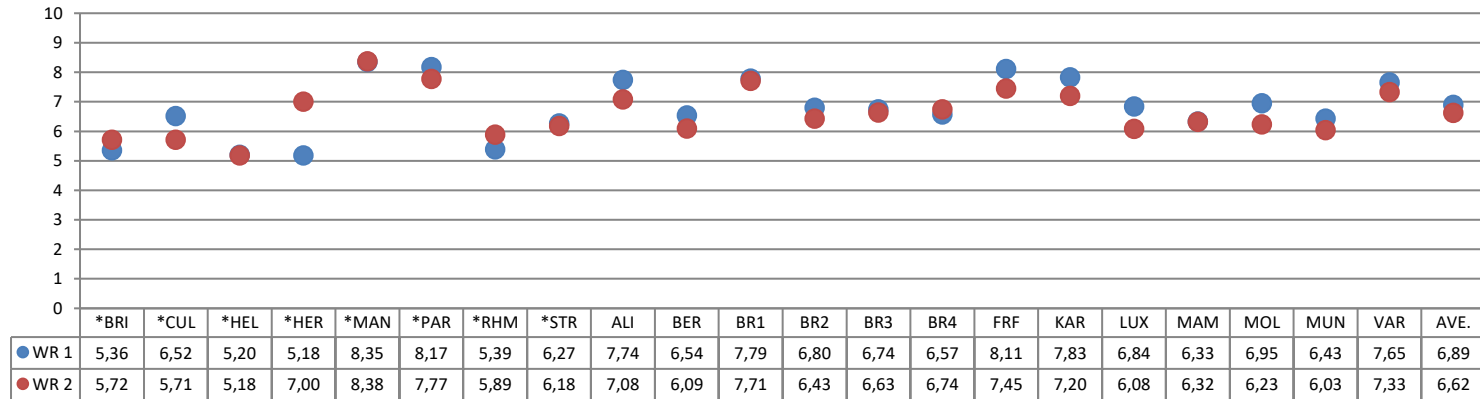
School year	*BRI	*CUL	*HEL	*HER	*MAN	*PAR	*RHM	*STR	*TAL	ALI	BER	BR 1	BR 2	BR 3	BR 4	FRF	KAR	LUX	MAM	MOL	MUN	VAR	Aver.
2013/2014		7,41	6,25		8,40	7,47		6,67		7,66	6,03	7,41	7,24	7,39		7,43	7,50	7,17	6,98	7,58	7,48	7,16	7,27
2014/2015		7,40	5,58		7,30	6,41		5,99		6,77	6,65	7,50	7,01	7,15		6,88	7,66	7,08	6,97	6,94	6,69	7,57	7,04
2015/2016		7,25	6,00		7,48	7,33	4,78	6,14		6,69	6,43	7,23	6,53	7,13		7,60	6,57	6,80	7,33	7,50	7,01	7,84	6,97
2016/2017	3,40	6,66	6,94	5,63	5,74	6,98	5,79	5,33		6,30	6,73	7,20	7,17	6,94	6,51	7,73	6,87	7,65	6,59	7,46	6,98	7,35	6,92
2017/2018	5,54	6,12	5,19	6,34	8,37	7,97	5,64	6,23		7,41	6,31	7,75	6,64	6,69	6,66	7,76	7,52	6,45	6,33	6,59	6,22	7,49	6,76

BACC 2018: Biology written average (6,76)

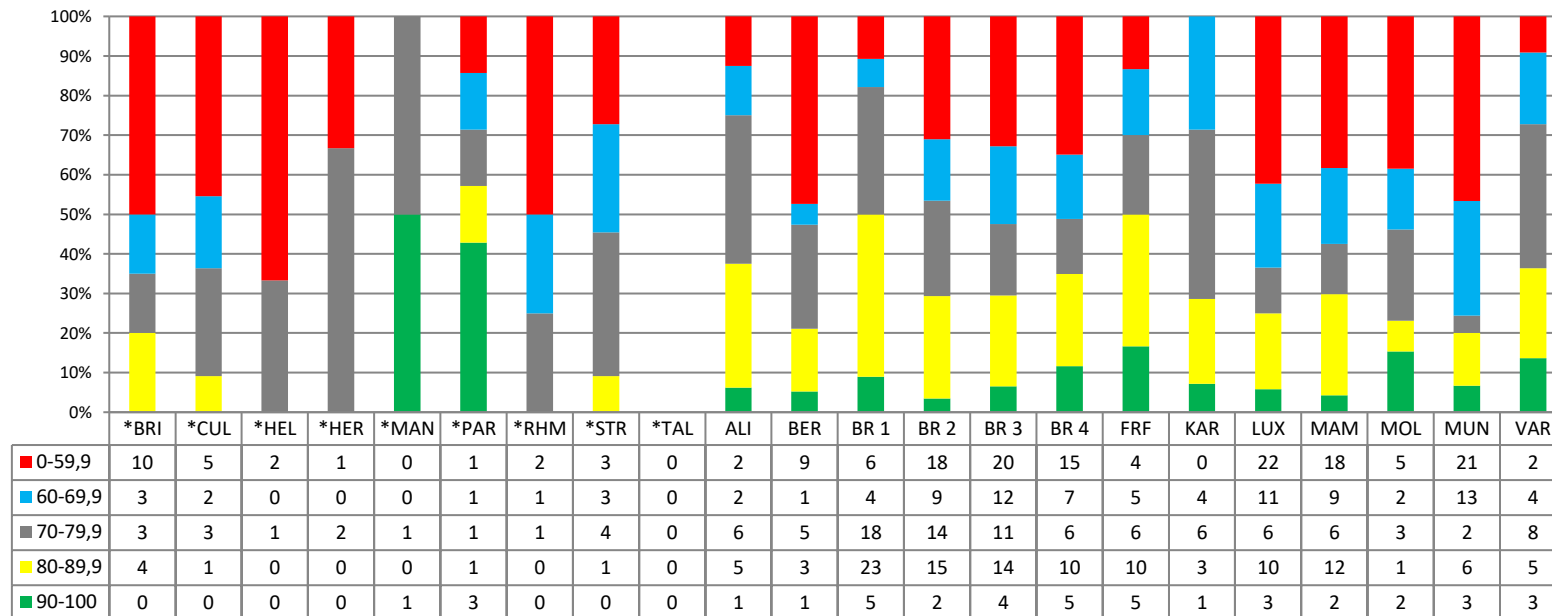


⁵ Schools with less than 10 candidates in Biology are not shown in the graph because do not provide statistically relevant information.

Biology: comparison W1 vs W2



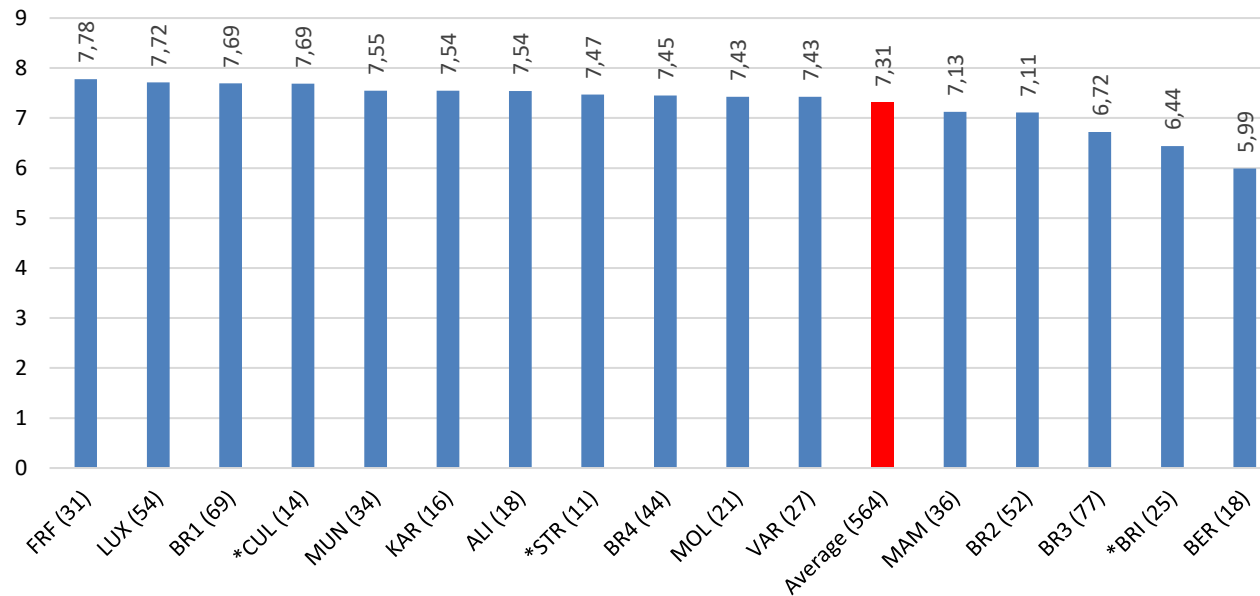
Biology: distribution of written marks



7.3.2. Chemistry (Success rate: 79.26%)⁶

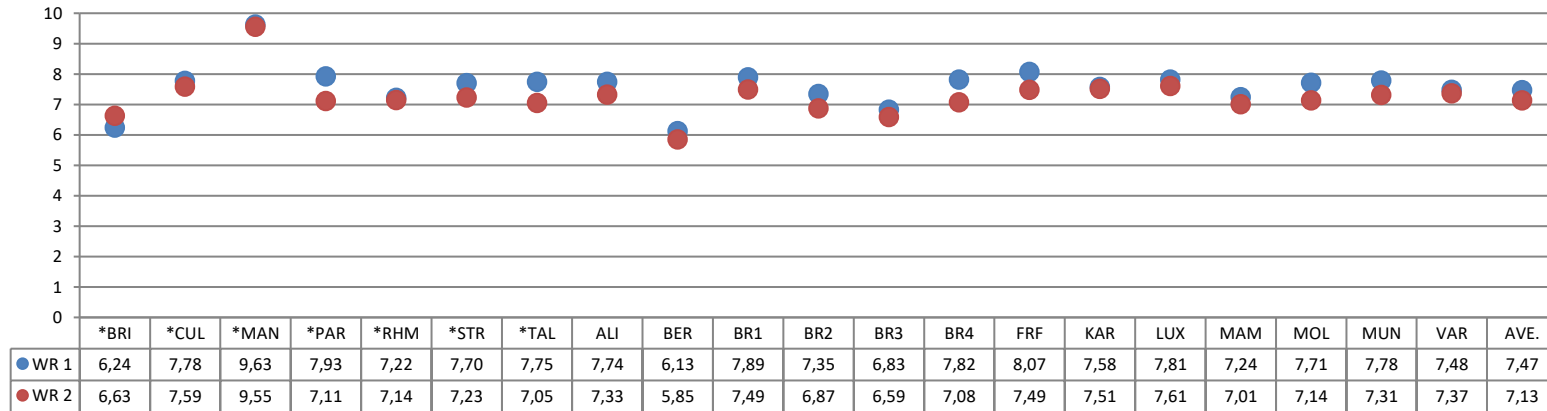
School year	*BRI	*CUL	*HEL	*HER	*MAN	*PAR	*RHM	*STR	*TAL	ALI	BER	BR 1	BR 2	BR 3	BR 4	FRF	KAR	LUX	MAM	MOL	MUN	VAR	Aver.
2013/2014		7,40		8,08	6,90	7,58		7,46		7,02	5,49	7,27	6,69	7,21		7,36	6,50	7,12	6,07	6,24	7,44	8,60	6,95
2014/2015		8,02	5,35	7,15	7,19	7,28		5,85		6,93	4,54	7,86	6,69	7,04		7,87	7,39	7,54	7,75	7,41	7,44	7,81	7,24
2015/2016		8,01	5,02	6,72	7,40	8,57	5,88	6,20		6,85	4,46	7,66	6,39	7,54		7,14	6,44	7,97	7,97	7,19	6,99	7,54	7,12
2016/2017	1,95	7,44	5,27	3,37	7,08	7,28	5,80	5,93		7,49	6,47	7,43	7,43	7,53	7,04	8,14	6,99	7,13	7,68	7,33	7,08	7,48	7,18
2017/2018	6,44	7,69			9,60	7,52	7,18	7,47	7,40	7,54	5,99	7,69	7,11	6,72	7,45	7,78	7,54	7,72	7,13	7,43	7,55	7,43	7,31

BACC 2018: Chemistry written average (7,31)

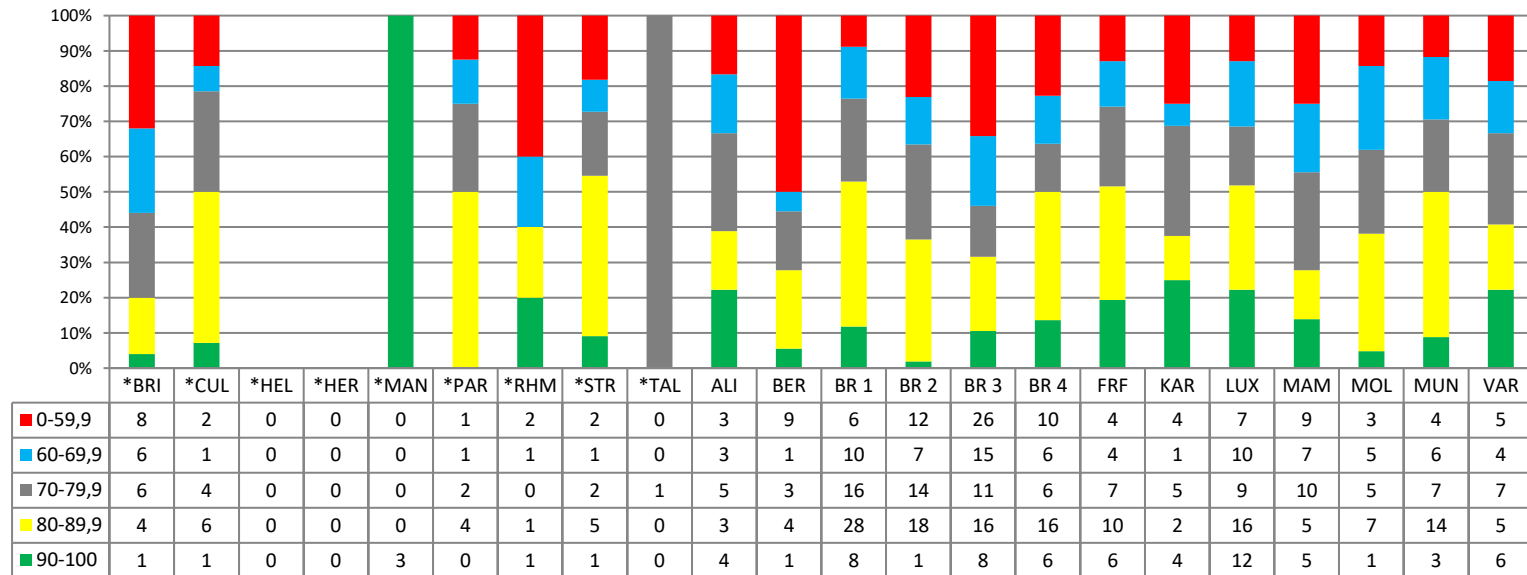


⁶ Schools with less than 10 candidates in Chemistry are not shown in the graph because do not provide statistically relevant information.

Chemistry: comparison W1 vs W2



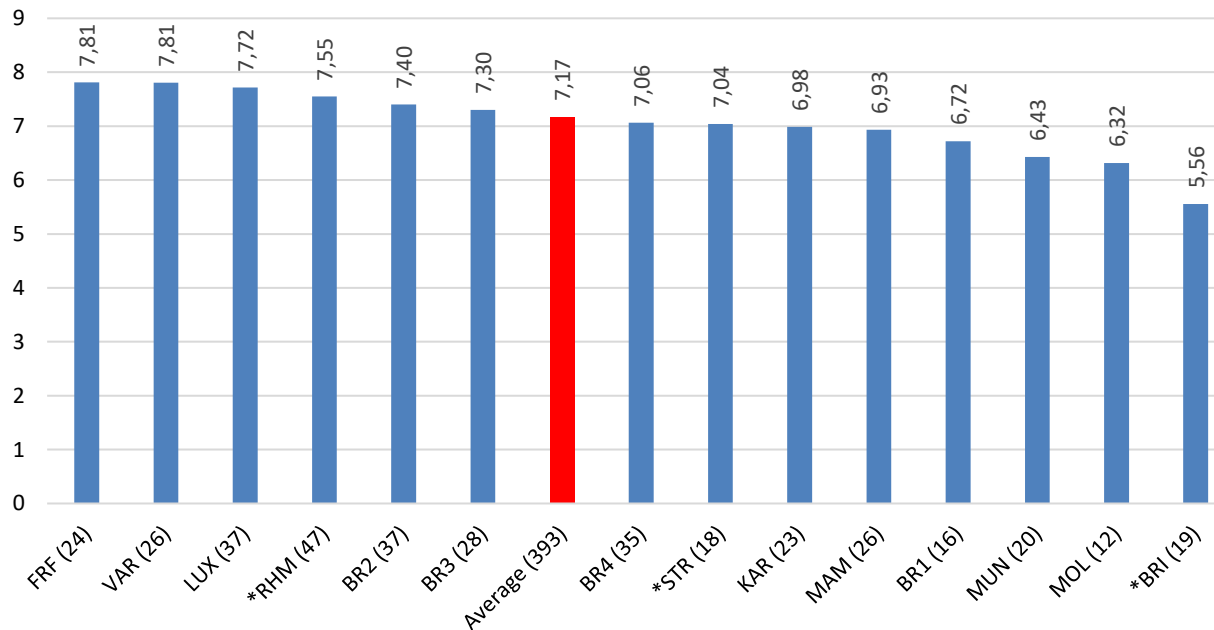
Chemistry: distribution of written marks



7.3.3. Economics (Success rate: 79,64%)⁷

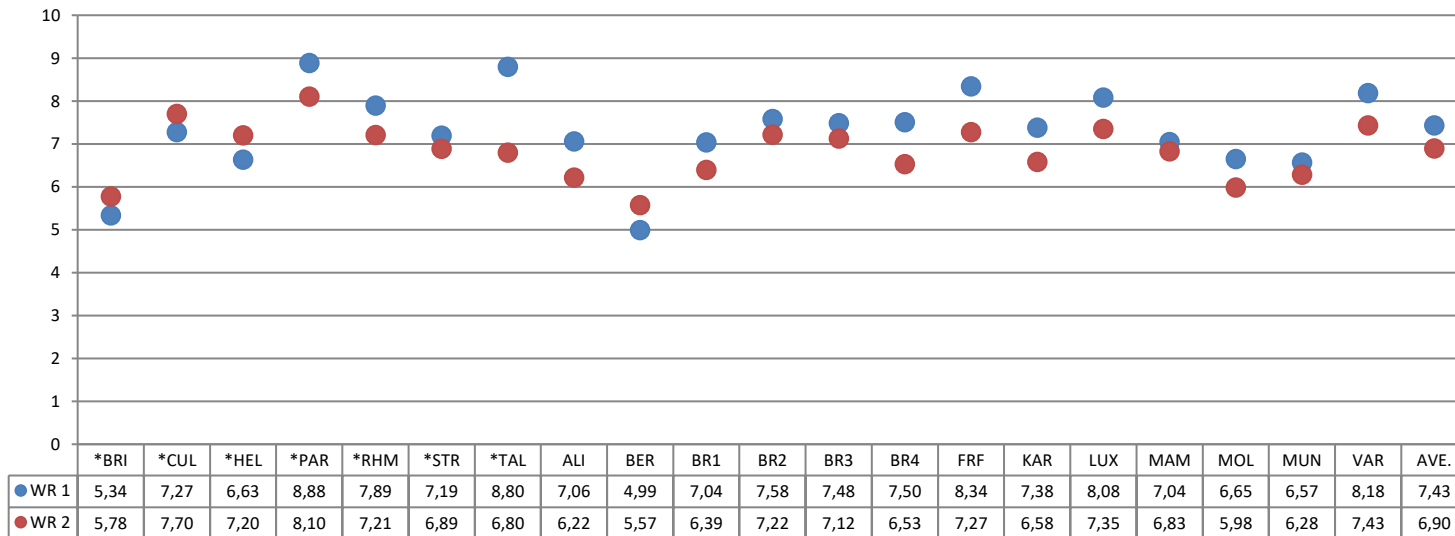
School year	*BRI	*CUL	*HEL	*HER	*MAN	*PAR	*RHM	*STR	*TAL	ALI	BER	BR 1	BR 2	BR 3	BR 4	FRF	KAR	LUX	MAM	MOL	MUN	VAR	Aver.
2013/2014		7,12	5,64			7,84		7,61		5,87	5,60	7,56	6,86	7,19		7,70	6,37	7,17	6,37	7,01	7,10	6,33	6,94
2014/2015		7,82	6,77			6,91		8,08		6,27	7,06	7,11	7,32	6,95		7,74	6,55	6,63	6,84	6,10	7,24	7,13	7,01
2015/2016		7,84				7,60	7,88	6,95		7,33	6,46	7,11	6,88	6,91		8,68	7,35	6,82	7,15	6,52	6,47	7,75	7,20
2016/2017	6,50	7,94	7,15	6,90		6,74	7,63	6,69		7,32	6,14	7,01	7,39	6,82	7,16	7,54	7,77	6,85	7,32	6,10	7,35	7,33	7,14
2017/2018	5,56	7,49	6,92			8,50	7,55	7,04	7,80	6,64	5,29	6,72	7,40	7,30	7,06	7,81	6,98	7,72	6,93	6,32	6,43	7,81	7,17

BACC 2018: Economics written average (7,17)

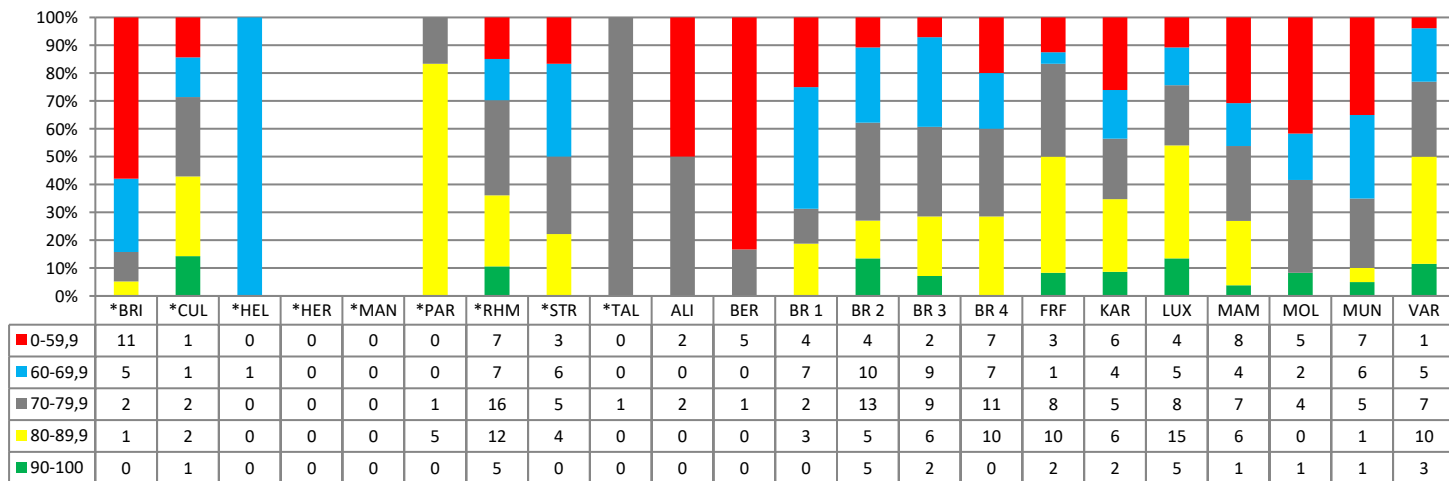


⁷ Schools with less than 10 candidates in Economics are not shown in the graph because do not provide statistically relevant information.

Economics: comparison W1 vs W2



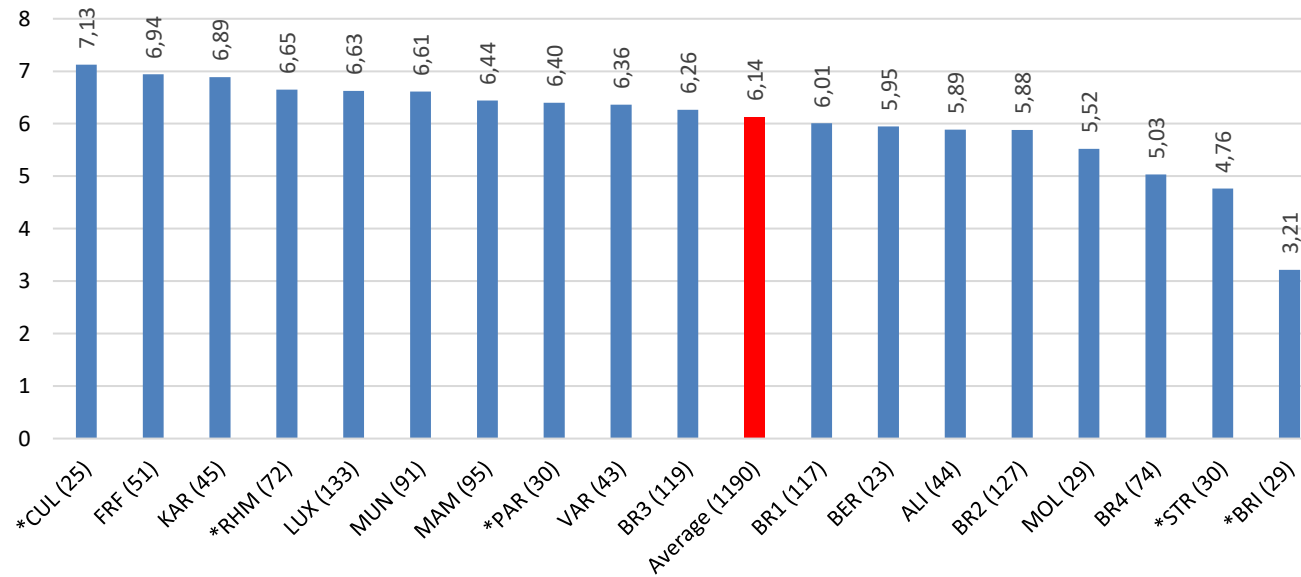
Economics: distribution of written marks



7.3.4. Mathematics 3P (Success rate: 60,08%)⁸

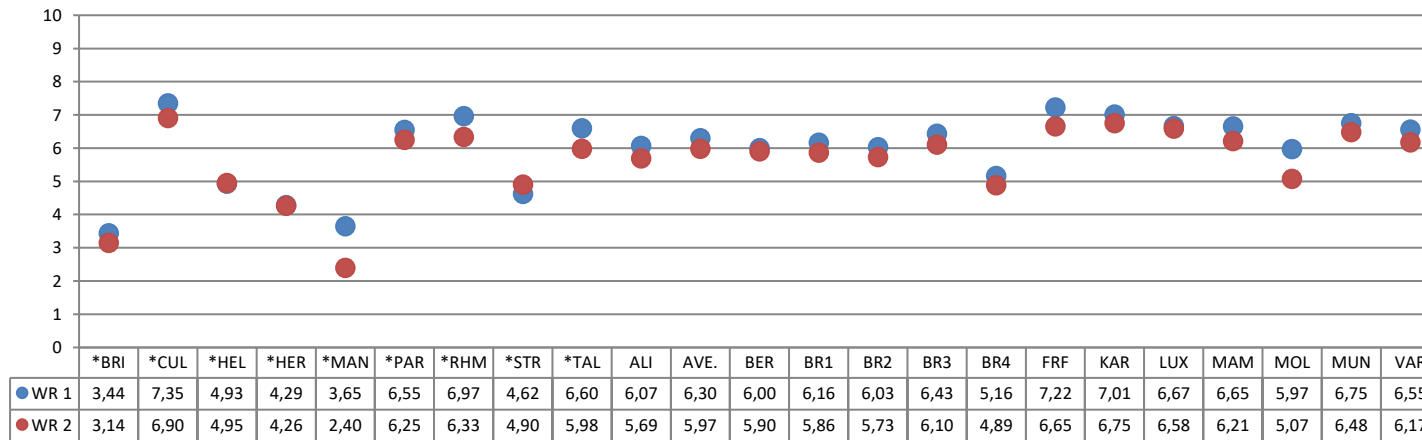
School year	*BRI	*CUL	*HEL	*HER	*MAN	*PAR	*RHM	*STR	*TAL	ALI	BER	BR 1	BR 2	BR 3	BR 4	FRF	KAR	LUX	MAM	MOL	MUN	VAR	Aver.
2013/2014		8,30	5,86		6,15	6,23		6,43		6,18	5,50	6,50	5,59	6,63		6,98	6,60	6,27	6,13	5,80	6,69	6,53	6,35
2014/2015		7,85	5,80	3,85	6,07	6,41		6,43		6,52	6,97	6,42	6,13	7,15		7,71	7,58	6,76	6,66	5,67	7,07	6,80	6,75
2015/2016		8,18	4,33	6,20	6,41	6,87	6,69	5,14		6,77	5,96	6,78	6,25	7,30		7,20	7,16	7,12	7,18	5,75	7,28	7,47	6,88
2016/2017	4,64	7,17	5,44	5,76	6,19	7,38	6,12	5,05		6,04	6,15	6,31	5,67	6,46	5,25	7,50	6,87	6,31	6,42	5,52	7,01	6,18	6,31
2017/2018	3,21	7,13	4,94	4,28	3,03	6,40	6,65	4,76	6,29	5,89	5,95	6,01	5,88	6,26	5,03	6,94	6,89	6,63	6,44	5,52	6,61	6,36	6,14

BACC 2018: MATH 3P written average (6,14)

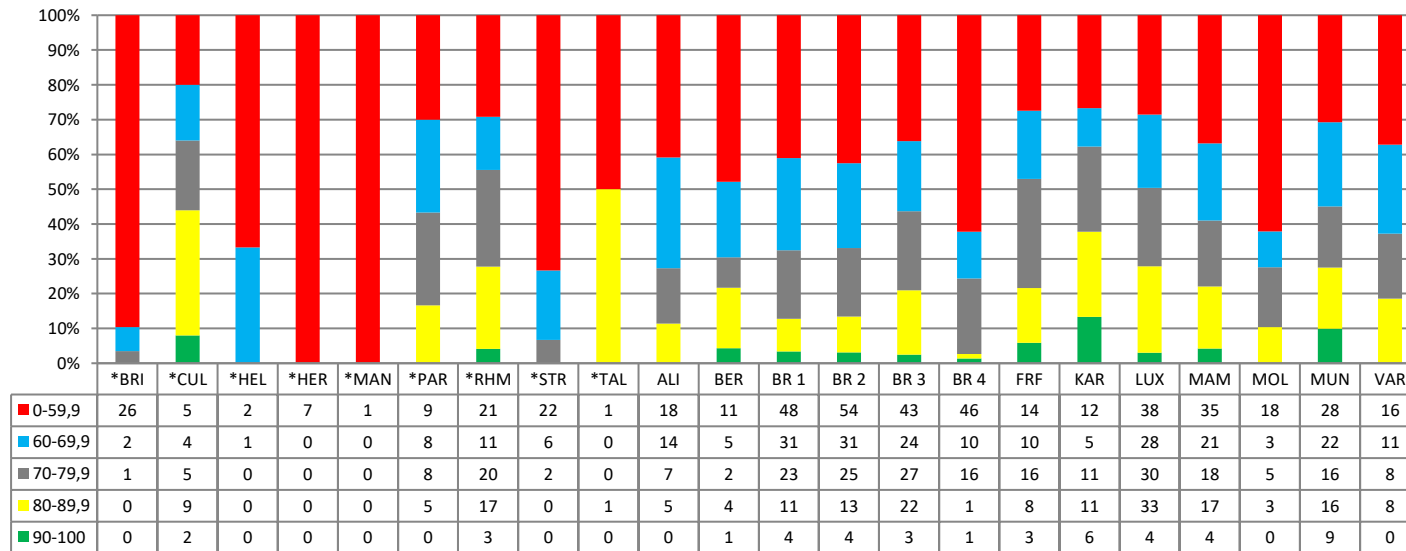


⁸ Schools with less than 10 candidates in Math 3p are not shown in the graph because do not provide statistically relevant information.

MATH 3P: comparison W1 vs W2



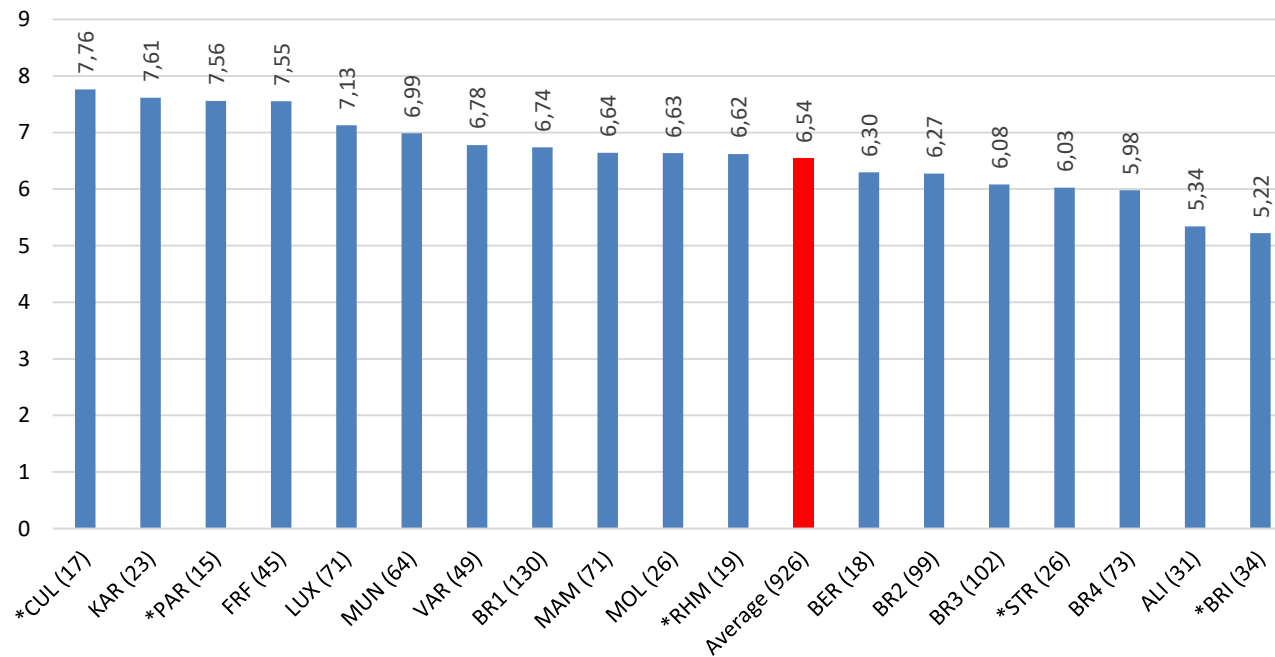
MATH 3P: distribution of written marks



7.3.5. Mathematics 5P (Success rate: 64,15%)⁹

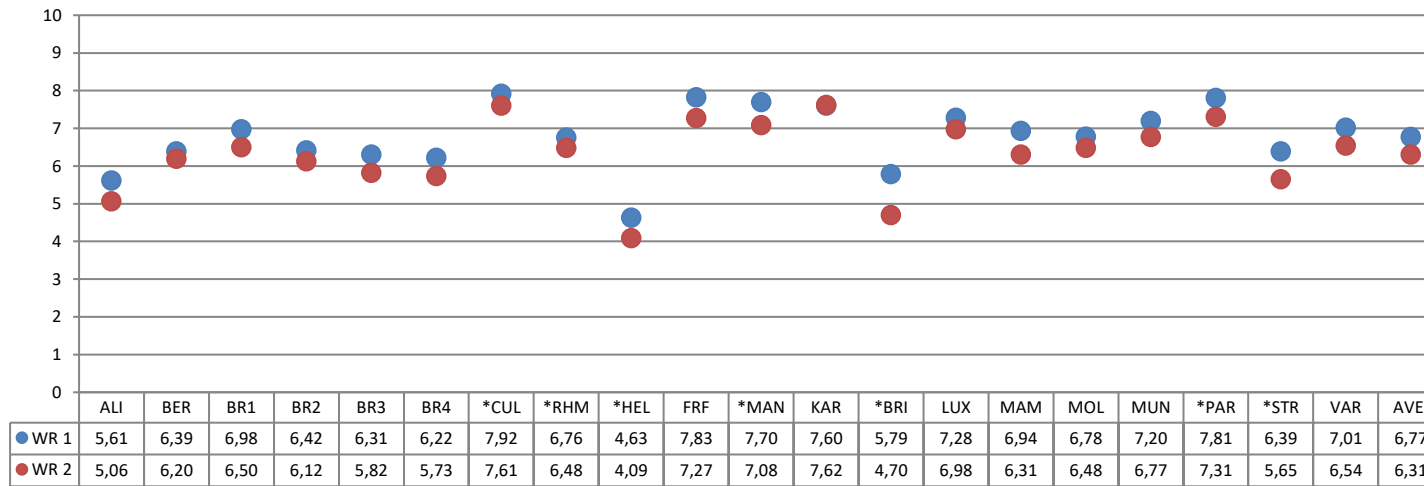
School year	*BRI	*CUL	*HEL	*HER	*MAN	*PAR	*RHM	*STR	*TAL	ALI	BER	BR 1	BR 2	BR 3	BR 4	FRF	KAR	LUX	MAM	MOL	MUN	VAR	Aver.
2013/2014		7,81	5,93		8,03	7,61		5,13		6,72	6,07	6,99	6,38	6,95		7,59	7,69	6,74	6,95	6,38	7,76	7,68	6,93
2014/2015		7,86	5,72	3,80	6,51	6,92		5,28		6,49	6,32	7,68	6,77	7,14		8,07	7,23	7,43	7,80	7,88	7,60	7,54	7,22
2015/2016		7,32	5,98	4,75	7,15	7,69	6,22	5,82		6,00	5,88	7,07	5,98	7,03		7,80	7,19	6,99	6,93	5,95	7,37	6,75	6,76
2016/2017	4,59	7,83	6,02	6,10	7,07	6,96	7,57	5,96		7,02	6,35	7,23	7,14	6,99	6,49	7,75	8,03	7,16	7,04	6,71	7,77	7,46	7,11
2017/2018	5,22	7,76	4,36		7,39	7,56	6,62	6,03		5,34	6,30	6,74	6,27	6,08	5,98	7,55	7,61	7,13	6,64	6,63	6,99	6,78	6,54

BACC 2018: MATH 5P written average (6,54)

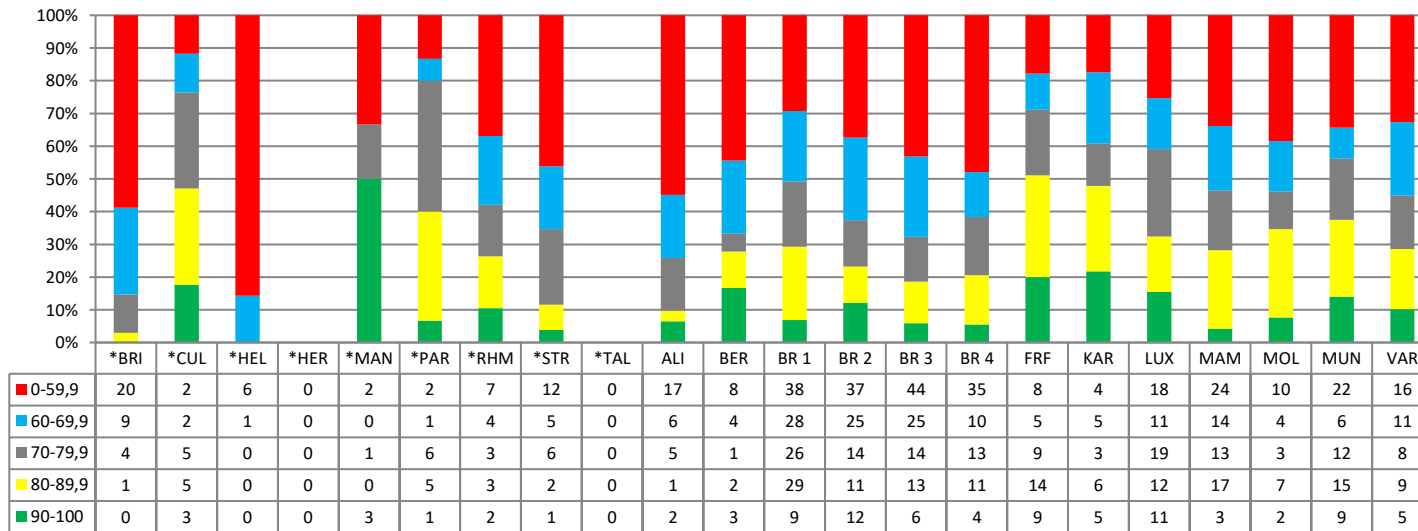


⁹ Schools with less than 10 candidates in Math 5p are not shown in the graph because do not provide statistically relevant information.

MATH 5P: comparison W1 vs W2



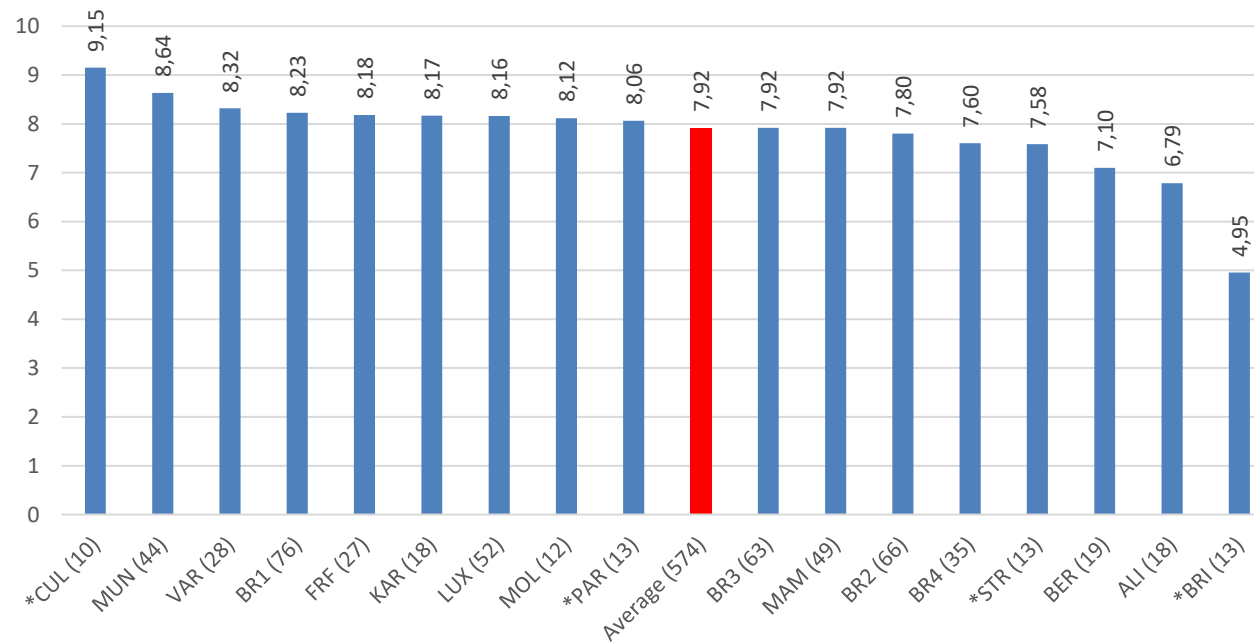
MATH 5P: distribution of written marks



7.3.6. Physics (Success rate: 85,19%)¹⁰

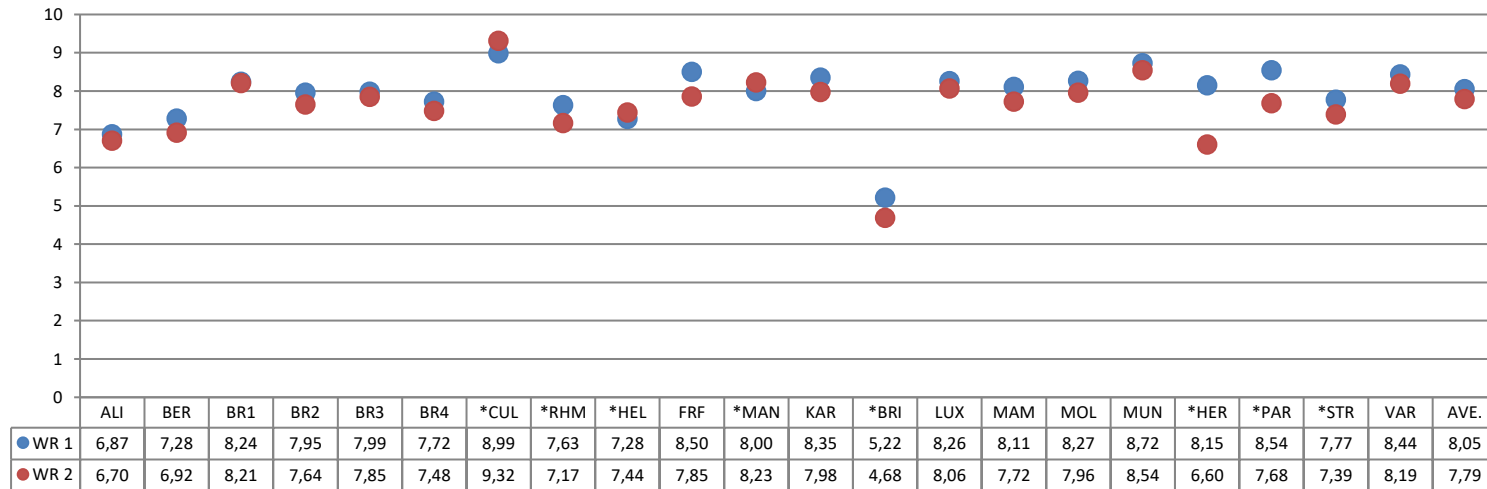
School year	*BRI	*CUL	*HEL	*HER	*MAN	*PAR	*RHM	*STR	*TAL	ALI	BER	BR 1	BR 2	BR 3	BR 4	FRF	KAR	LUX	MAM	MOL	MUN	VAR	Aver.
2013/2014		8,48	7,43		9,35	7,19		7,14		7,96	7,37	7,39	7,17	8,07		8,14	8,16	7,18	7,38	8,32	8,10	8,43	7,70
2014/2015		7,17	6,03	6,15	6,63	6,45		4,90		6,95	6,57	7,58	6,50	7,70		7,59	6,76	7,19	7,60	7,91	8,11	7,41	7,22
2015/2016		7,96	6,60	7,45	8,08	8,36	5,57	6,92		5,90	6,45	7,73	6,92	7,69		8,16	7,42	7,56	7,30	6,80	7,81	7,86	7,45
2016/2017	3,70	8,27	6,19	6,65	8,05	7,71	6,65	6,84		7,62	5,95	7,61	7,27	7,86	6,97	8,04	7,47	7,08	7,62	6,89	8,07	8,11	7,44
2017/2018	4,95	9,15	7,36	7,38	8,12	8,06	7,37	7,58		6,79	7,10	8,23	7,80	7,92	7,60	8,18	8,17	8,16	7,92	8,12	8,64	8,32	7,92

BACC 2018: PHYSICS written average (7,92)

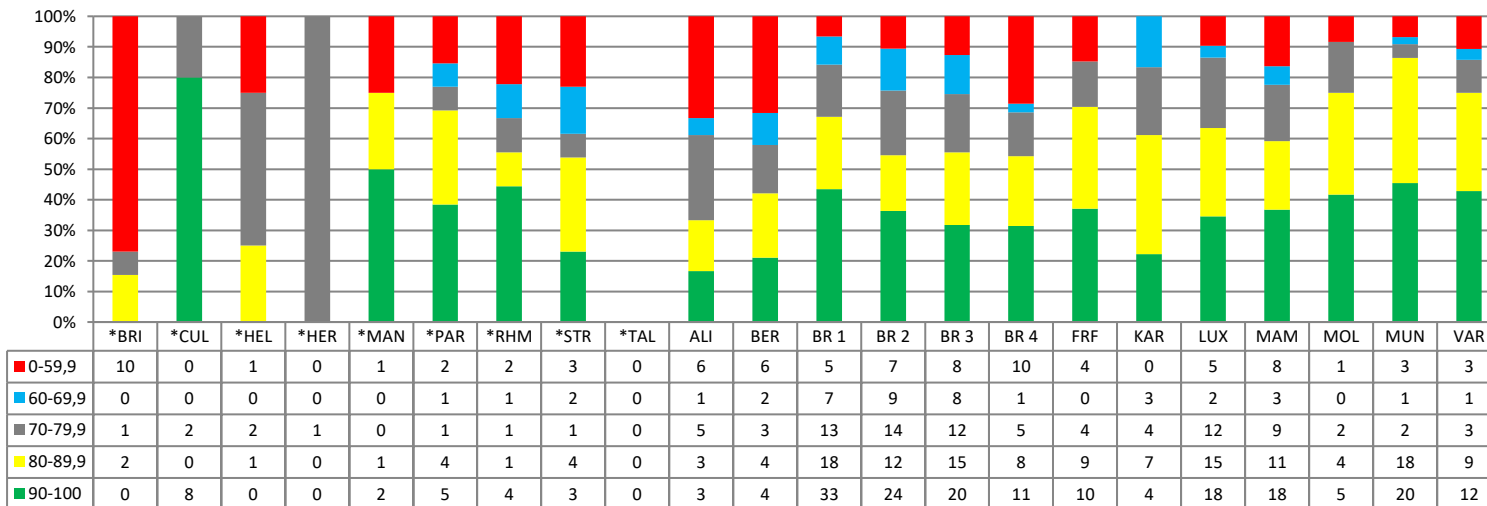


¹⁰ Schools with less than 10 candidates in Physics are not shown in the graph because do not provide statistically relevant information.

PHYSICS: comparison W1 vs W2



PHYSICS: distribution of written marks

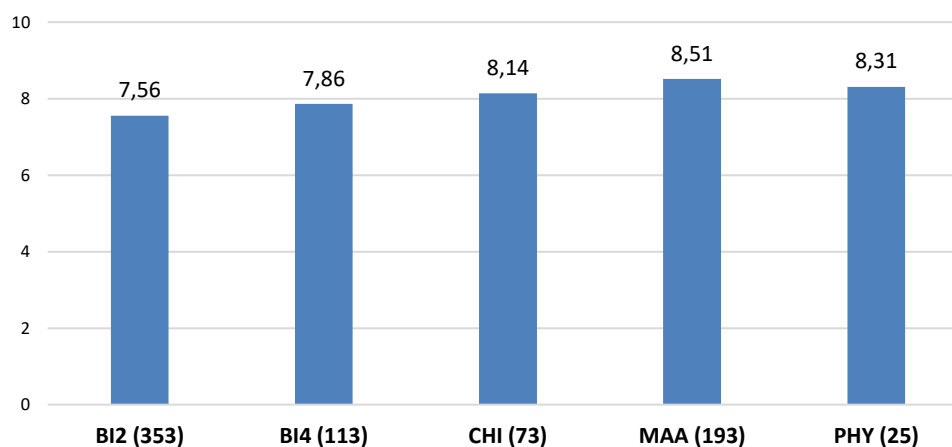


7.4. Oral Mark Averages for Science EB Examinations

	Candidates	Oral aver.	Candidates	Oral aver.	Candidates	Oral aver.	Candidates	Oral aver.	Candidates	Oral aver.
School	BI2	BI2	BI4	BI4	CHI	CHI	MAA	MAA	PHY	PHY
*BRI	9	7,97	4	6,88						
*CUL	10	8,08	5	9,10			6	8,00		
*HEL										
*HER	1	6,00							1	5,00
*MAN									1	9,50
*PAR	14	8,05	1	8,00	5	8,90	1	8,00		
*RHM	14	7,46	16	8,59	2	8,25	4	8,25		
*STR	12	5,75	10	6,18			6	8,54		
*TAL										
ALI	21	6,92	2	6,00	9	8,83	13	7,94	2	8,75
BER	7	7,61	3	7,33			5	9,15	1	7,75
BR 1	55	7,41	5	8,50	4	9,25	22	8,93	1	7,75
BR 2	43	7,88	6	8,58	3	9,50	25	8,17	2	7,25
BR 3	27	7,65	8	8,16	9	8,94	22	8,06	3	7,17
BR 4	13	7,15	5	7,90			18	8,40		
FRF	24	7,74	10	7,63	2	9,25	5	9,80	3	9,42
KAR	9	7,67	4	7,25			3	9,25	2	8,25
LUX	47	7,56	6	8,79	13	7,27	14	9,36	4	8,63
MAM	12	8,94	2	6,00	15	7,28	13	8,38	3	9,33
MOL	11	6,84	7	8,64	1	9,00	8	7,94		
MUN	15	8,23	12	8,10	10	7,65	18	8,85	1	8,00
VAR	9	6,81	7	6,75			10	8,53	1	9,00
	353	7,56	113	7,86	73	8,14	193	8,51	25	8,31

	Candidates	Oral aver.	Candidates	Oral aver.	Candidates	Oral aver.	Candidates	Oral aver.	Candidates	Oral aver.
	BI2	BI2	BI4	BI4	CHI	CHI	MAA	MAA	PHY	PHY
2016/2017	359	7,67	111	7,84	48	8,22	158	8,44	27	8,06
2017/2018	353	7,56	113	7,86	73	8,14	193	8,51	25	8,31

BACC 2018 - Science oral averages



8. EB Report 2018 On-Line Version: Interactive graphs

Graphs available on-line.

Please follow this link in order to see them: <http://schola-europaea.eu/bacc/report/2018/>

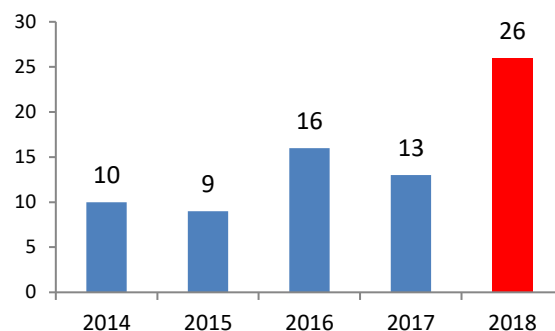
01	Candidates by School
02	Candidates by Subject
03	Final Mark Averages
04	Final Mark by school and subject-language Box Chart
05	Final Mark by subject and school Box Chart
06	Distribution of candidates by school and BACC mark
07	Averages A, B, C, W, O and final
08	Written and Oral corrections by school, section and subjects
09	Averages per school and subject
10	SWALS
11	Additional Written Examinations
12	Literary subjects
13	Scientific subjects

9. Complaints and Appeals

In accordance with Article 12 of the Arrangements for implementing the Regulations for the European Baccalaureate, an administrative appeal may be lodged with the Chairman of the Baccalaureate Examining Board. The appeal may only concern a procedural irregularity.

Under Article 12.2. of the same Arrangements it is stated that: *“A complaint or an appeal may only concern a procedural irregularity. A procedural irregularity occurs in the event of non-compliance with the provisions concerning the European Baccalaureate adopted by the Board of Governors and the Board of Inspectors (Secondary)”*.

The table on the right shows the number of appeals lodged over the past five years.



▪ Description of the administrative appeals lodged in reference with the 2018 European Baccalaureate session

Time	#	Plaintive	Invoked irregularity	Decision
After the June 2018 session	1	parents	“In reference to the 2018 EB Mathematics 5P written test”	Rejected
	2	father	Appeal “about the Baccalaureate examination”, in particular Maths 5P mark	Rejected
	3	father	Appeal “against the mark awarded to the L2 FR EB exam”	Accepted
	4	parents	Appeal about the decision of the Jury of the EB not to grant him the EB diploma	Rejected
	5	parents	Appeal “about the examination conditions during the Baccalaureate Chemistry exam”	Rejected
	6	pupil	Appeal raised “to contest the difficulty of the Mat 5H baccalaureate Test”	Rejected
	7	pupil	Appeal about “the ART exam of the EB 2018”	Rejected
	8	pupil	Appeal raised “about Question 7 in the Mat3 2018 EB exam”	Rejected
	9	mother	Appeal raised “against the mark given to the EB chemistry exam”	Rejected
	10	father	Appeal “concerning the written baccalaureate exams”	Rejected

Time	#	Plaintive	Invoked irregularity	Decision
	11	mother	Appeal “against the decision of the examining board of the European Baccalaureate to not correct the grades in Math and Physics exams.”	Rejected
	12	pupil	Appeal raised “to address the great difficulty of this year’s MATH 5H baccalaureate and stress the importance for compensation to be given to the affected students”	Rejected
	13	pupil	Appeal “concerning the BAC exam, mathematics 5P, part A (without calculator)”	Rejected
	14	pupil	Appeal “regarding the Maths 5P BAC and Physics BAC”	Rejected
	15	pupil	Appeal “over EB grad in MA5 written exam”	Rejected
	16	mother	Appeal “against the decision of the Jury of the 2018 EB not to award the diploma”	Rejected
	17	father	Appeal “against the decision of the Jury of the 2018 EB not to award the diploma”	Rejected
	18	pupil	Appeal “regarding the European Baccalaureate examinations – 2018”	Rejected
	19	father	Appeal “against the results awarded in the EB examination of June 2018”, in Physics, MA5 and Advanced Math oral	Rejected
	20	pupil	Appeal “against the decision of the Jury of the 2018 EB not to award the diploma”	Rejected
	21	pupil	Appeal raised “against administrative procedural irregularity”	Accepted
	22	father	Appeal “against the EB result in the French language section”	Rejected
	23	pupil	Appeal “about the MA5P EB examination”	Rejected
	24	pupil	Appeal “against the marking in the written examination of Portuguese as mother tongue”	Rejected
	25	pupil	Appeal “concerning the BAC result”	Rejected

Time	#	Plaintive	Invoked irregularity	Decision
	26	pupil	Appeal “concerning the Math 5 part A in the Italian language”	Rejected

- **Contentious appeals**

Case 18 decided to lodge both an interim and a contentious appeal. Both the interim and the contentious appeals were rejected by the Board of Complaints.

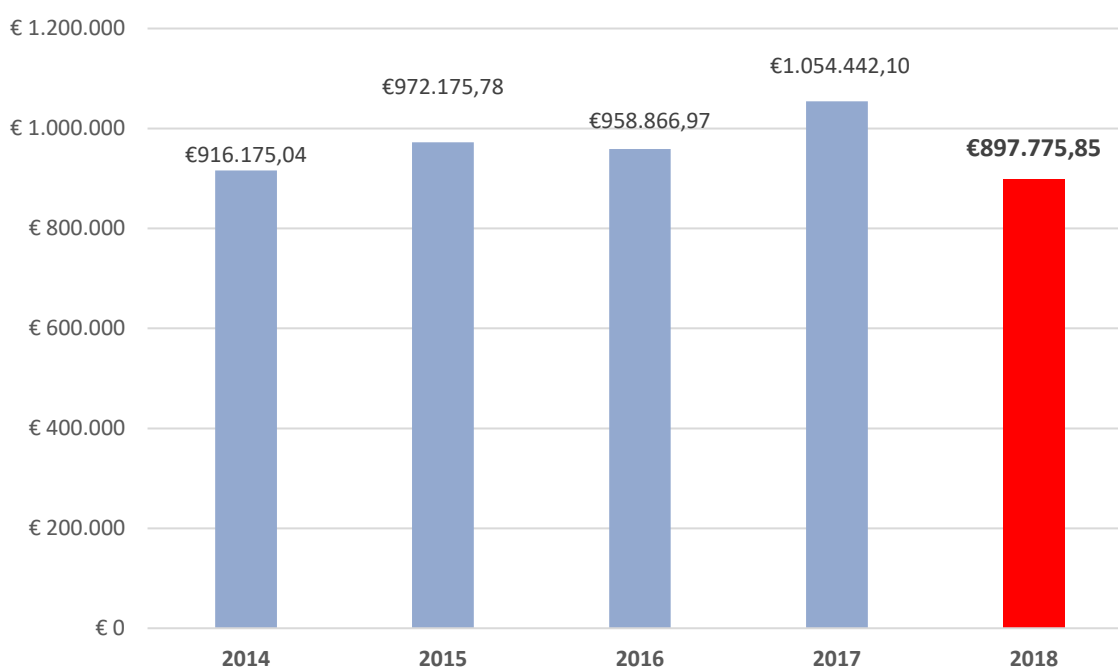
Case 22 decided to lodge a contentious appeal and then withdrew the appeal.

10. Costs of the 2018 European Bacculaureate session

10.1. Overall costs and breakdown

The currently registered costs of the 2018 session of the European Bacculaureate now amount to **€897.775,85** which represents an average cost of **€500,71** per candidate (reminder: **2146** candidates registered for the 2018 session of the Bacculaureate, but only **2116** actually participated).

The graph below shows the total cost of each session of the Bacculaureate between 2014 and the currently registered costs for the 2018 session.



The table below breaks down the comparison of overall costs of the organization of the sessions 2014 to the currently registered costs for the 2018 session.

Cost breakdown	2014	2015	2016	2017	2018
Elaboration of papers	€222,680.44	€226.362,61	€223.910,70	€ 203,703.32	€ 229.559,34
Translation of papers	€42,475.41	€36.434,52	€39.467,64	€ 40,553.33	€ 45.036,45
University Observation			€4.800,00	€ 6,000.00	€ 6,000.00
Quality control on Orals	€11,906.20	€20.146,31	€17.297,20	€ 18,531.64	€ 17.575,64
Reproduction of papers	€4,188.52	€8.248,64	€7.581,33	€ 8,795.55	€ 6.832,34
Chairmanship (and cost of its vice)	€10,233.97	€16.729,72	€16.760,44	€ 11,611.82	€ 11.706,00
Presence of vice chairs at the schools during written examinations	€11,584,26	€15.028,17	€16.411,26	€11.303,73	€15.495,60
On-line correction (tool, implementation, training)				€159.402,00	€68.617,25
External correctors	€277,875.61	€308.798,50	€313.424,43	€279.397,06	€225.966,15
Presence of vice chairs at Brussels I during corrections	€24,339.16	€28.720,36	€27.079,77	€28.310,24	€25.255,30
Distance correction	€6,951.26	€7.176,12	€7.585,74	€0	€0
External oral Examiners	€299,567.66	€236.821,84	€337.420,72	€370.115,43	€366.988,21
Presence of vice chairs at the schools during oral examinations	€33,351.06	€32.172,86	€36.668,78	€44.031,64	€45.412,24
Transport of papers	€11,159.66	€7.536,88	€11.067,70	€15.000,00	€1.060,66
Additional Costs (AQ Chemistry WG, Presence during Maths and Physics exams of main experts, AQ NL)	-	€6.464,79	-	-	-
TOTAL EXPENDITURE (updated to November 2018)	€963.581,72	€1.030.609,54	€1.059.475,71	€1.196.755,76	€1.059.505,18
Income from the Accredited schools*	- €47.406,68	- €58.433,76	- €100.608,74	- €142.313,66	-€161.060,72
Cost for the European School system	€916.175,04	€972.175,78	€958.867,67	€1.054.442,10	€897.775,85
Number of candidates	1789	1799	1885	1993	2116
Cost per candidate	€538,61	€572,88	€562,06	€600,48	€500,71

* Please see 10.6 Cost of the Baccalaureate for Accredited Schools: Brindisi, Culham, Helsinki, Heraklion, Manosque, Parma, RheinMain, Strasbourg and Tallinn

10.2. Costs related to the elaboration of the examination papers

The currently registered costs for the elaboration of **286** examination papers required for this session of the Baccalaureate (162 main and 124 reserve papers 1 and 2 + suggested answers and marking grids) amount to **€229.559,34**, i.e. an average cost per paper of **€802,65**.

The **First Draft** phase of exam questions (preselection) deals with meetings where the Inspector, accompanied by a group of experts, analyses the proposals of exam questions sent by the schools and makes a first choice to be included into the main (original) paper and its reserve paper. For scientific papers, only the Inspector and a restricted core of experts (vehicular languages) take part in this meeting.

In the **Final Draft** phase (selection), the Inspector accompanied by his full team of experts, develops the final paper, based on the questions chosen in the preselection phase. For literary subjects, the Inspector produces at this stage the main paper and the reserve paper "**copy ready to print**", suggested answers, correction criteria and instructions and marking grids.

As to science subjects, the selection phase deals with the elaboration of the main (original) paper in one of the vehicular languages. This paper will then serve as original and will be translated into the required languages for the current session. Suggested answers, correction criteria and instructions and marking grids are also prepared. The **reserve** papers are dealt with at a separate meeting.

The **Control** phase of the papers is dealt with at meetings where the Inspector, accompanied by his complete team of experts, monitors the final paper in detail. The last modifications judged relevant are then added and the paper is considered to be finalized. Each expert adapts his or her language version to the modifications introduced.

The science subjects translated into different languages may require an additional phase called "**Ready to print**". The Inspector assisted by a limited core of experts runs a final checkup of all language versions. Once this has been done, the Inspector releases the copy "ready to print" for each language version.

Costs related to the phase of the **orals** refer to meetings organized by certain Inspectors with their team of experts in order to analyze the proposals for questions brought in by the schools. This cost is recorded in the final costs of the Baccalaureate, since it is part of the process of organization and quality control of the Baccalaureate examinations.

In 2018, for the seventh time, meetings have been organized to analyze the Baccalaureate oral exam questions proposed by the schools. This initiative of the Inspectors has been welcomed and constitutes a valuable element towards the assurance of the quality of the European Baccalaureate.

10.2.1. Breakdown per phase and per area of costs (for all subjects, Inspectors and Experts)

➡ Without translation costs

Phase	Travel Expenses	Daily Allowances	Elaboration fees	TOTAL
Preselection	€14.111,66	€25.744,85	€17.402,58	€57.259,09
Selection	€27.473,35	€54.250,40	€35.995,08	€117.718,83
Control	€14.960,42	€17.216,60	€8.924,40	€41.101,42
Reserve 1	€2.259,42	€3.012,00	€1.784,88	€7.056,30
Reserve 2	€0,00	€0,00	€0,00	€0,00
Pass for printing	€2.352,10	€2.584,20	€1.487,40	€6.423,70
TOTAL	€61.156,95	€102.808,05	€65.594,34	€229.559,34

➡ With translation costs

Phase	Travel Expenses	Daily Allowances	Elaboration fees	Translations costs	TOTAL
Preselection	€14.111,66	€25.744,85	€17.402,58		€57.259,09
Selection	€27.473,35	€54.250,40	€35.995,08		€117.718,83
Control	€14.960,42	€17.216,60	€8.924,40		€41.101,42
Reserve 1	€2.259,42	€3.012,00	€1.784,88	€15.865,80	€22.922,10
Reserve 2	€0,00	€0,00	€0,00	€0,00	€0,00
Pass for printing	€2.352,10	€2.584,20	€1.487,40	€29.170,65	€35.594,35
TOTAL	€61.156,95	€102.808,05	€65.594,34	€45.036,45	€274.595,79

10.2.2. Breakdown per subjectsLanguage subjects: **€67.403,29**

249 language examinations papers were produced: it includes the main papers + suggested answers for main papers, reserve 1 + suggested answers for reserve 1 and reserve 2 + suggested answers for reserve 2

Language subjects	Total cost of elaboration	Total number of papers	Cost per paper	Total number of scripts	Cost per script
DE	€17.540,67	24	€730,86	708	€24,77
IT	€11.939,59	20	€596,98	388	€30,77
PL	€1.745,52	4	€436,38	21	€83,12
EN	€8.370,80	31	€270,03	1980	€4,23
NL	€5.410,17	22	€245,92	182	€29,73
FI	€948,70	4	€237,18	41	€23,14
CS	€1.126,49	5	€225,30	16	€70,41
SK	€1.025,88	5	€205,18	8	€128,24
ES	€4.009,86	20	€200,49	414	€9,69
FR	€6.877,40	36	€191,04	1157	€5,94
ET	€758,96	4	€189,74	12	€63,25
RO	€692,22	4	€173,06	10	€69,22
LV	€692,22	4	€173,06	16	€43,26
EL	€1.384,44	8	€173,06	74	€18,71
HU	€692,22	4	€173,06	26	€26,62
PT	€1.676,14	11	€152,38	43	€38,98
LT	€569,22	4	€142,31	17	€33,48
DA	€488,96	4	€122,24	46	€10,63
ONL MT	€379,48	4	€94,87	2	€189,74
SV	€676,96	12	€56,41	36	€18,80
SL	€248,65	5	€49,73	7	€35,52
ONL FI	€0,00	3	€0,00	1	€0,00
ONL SV	€0,00	3	€0,00	1	€0,00
BG	€0,00	4	€0,00	15	€0,00
HR	€0,00	4	€0,00	5	€0,00
	€67.403,29	249		5226	

History / Geography: **€21.038,95**

32 Hist + GEO examinations papers were produced: it includes the main papers + suggested answers for main papers, reserve 1 + suggested answers for reserve 1 and reserve 2 + suggested answers for reserve 2

Language subjects	Total cost of elaboration	Total number of papers	Cost per paper	Total number of scripts	Cost per script
Geography	€11.437,49	16	€714,84	267	€42,84
History	€9.601,46	16	€600,09	345	€27,83
	€21.038,95	32		612	

 Translation costs:

Geography	€1.929,58
History	€3.014,73
	€4.944,31

Sciences (Bio, Chem, Eco, MA3, MA5, Phys): **€133.256,18**

130 scientific examinations papers were produced: it includes the main papers + suggested answers for main papers, reserve 1 + suggested answers for reserve 1 and reserve 2 + suggested answers for reserve 2

Language subjects	Total cost of elaboration	Total number of papers	Cost per paper	Total number of scripts	Cost per script
MA3	€26.443,19	22	€1.201,96	1190	€22,22
Chemistry	€29.192,18	25	€1.167,69	564	€51,76
Biology	€22.058,03	20	€1.102,90	537	€41,08
Physics	€24.417,25	24	€1.017,39	574	€42,54
MA5	€25.297,84	25	€1.011,91	926	€27,32
Economics	€5.847,69	14	€417,69	393	€14,88
	€133.256,18	130		4184	

 Translation costs:

Biology	€5.781,51
Chemistry	€9.570,36
MA3	€4.563,00
MA5	€5.281,07
Physics	€6.447,99
Economics	€2.902,46
	€34.546,39

Art / Music: €13.577,30

18 Art + Music examinations papers were produced: it includes the main papers + suggested answers for main papers, reserve 1 + suggested answers for reserve 1 and reserve 2 + suggested answers for reserve 2

Language subjects	Total cost of elaboration	Total number of papers	Cost per paper	Total number of scripts	Cost per script
Music	€4.268,41	5	€853,68	27	€158,09
Art	€9.308,89	13	€716,07	282	€33,01
	€13.577,30	18		309	

 Translation costs:

Art	€837,34
Music	€1.777,71
	€2.615,05

Other Subjects (Ancient EL, Latin, Philo): €11.264,30

31 examinations papers were produced: it includes the main papers + suggested answers for main papers, reserve 1 + suggested answers for reserve 1 and reserve 2 + suggested answers for reserve 2

Language subjects	Total cost of elaboration	Total number of papers	Cost per paper	Total number of scripts	Cost per script
Philosophy	€8.416,66	18	€467,59	239	€35,22
Latin	€2.155,42	8	€269,43	17	€126,79
Ancient EL	€692,22	5	€138,44	9	€76,91
	€11.264,30	31		265	

 Translation costs:

Latin	€1.494,64
Philosophy	€1.436,06
	€2.930,70

10.3. Revision of Oral questions: €17.575,64

Travel Expenses	Daily Allowances	Elaboration fees	Total
€2.012,75	€6.489,75	€9.073,14	€17.575,64

10.4. Costs related to the Chairmanship

The costs for the chairmanship also include those related to visits transfer of the Chair of the Examining Board and her vice-chairman during the school year (visits to the European Schools), as well as during the period of the examinations.

Breakdown of chairmanship costs (currently registered)

Visits to schools during school year	€2.120,65
Cost for presence during written examinations	€2.942,10
Cost for presence during corrections of written examinations at Brussels I	€775,44
Cost for presence during oral examinations	€5.867,81
Total	€11.706,00

10.5. European Baccalaureate Examinations Correction

10.5.1. Written Examinations Corrections

During the 2018 session of the Baccalaureate, 16.943 examinations were entered into the ledger, broken down as follows:

- **10.595** written examinations were corrected by **214** external correctors. The currently registered cost for correction of scripts this year amounts to **€225.966,15**, i.e. an average cost of **€21,33** per copy of which 52,48% corresponds to travel and subsistence allowances.

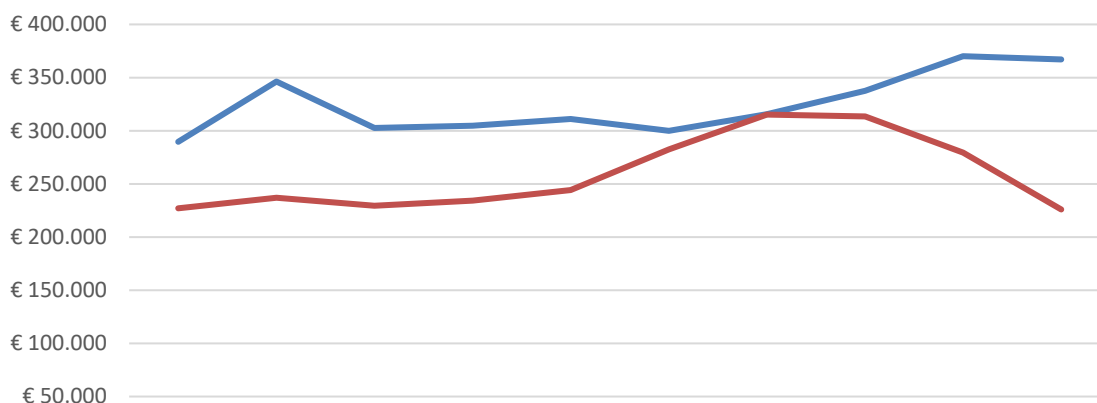
Travel Expenses	Daily allowances	Correction fees	TOTAL
€41.087,29	€77.128,88	€107.749,98	€225.246,15

10.5.2. Oral Examinations

- **249** external examiners handled **6.348** oral examinations in **18** subjects (Biology 2P, Biology 4P, Chemistry, Geography 2P, Geography 4P, History 2P, History 4P, L1, L1 advanced, L2, L2 advanced, L3, L4, Mathematics Advanced, ONL, Philosophy 2P, Philosophy 4P and Physics) for a currently registered cost of **€366.988,21**, i.e. an average of **€57,81** per oral examination.

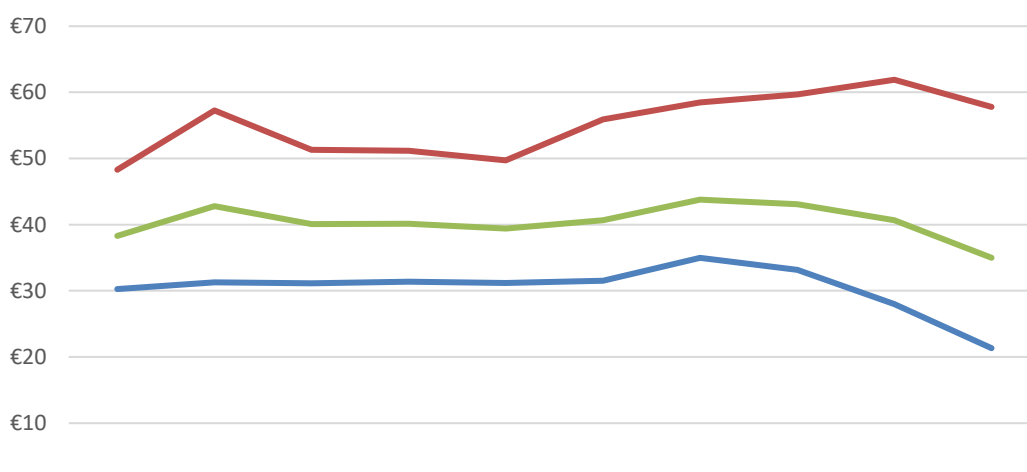
Travel Expenses	Daily allowances	Oral exam fees	TOTAL
€87.439,31	€179.601,62	€99.947,28	€366.988,21

10.5.3. Cost Evolution



€ 0	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Oral Examiners Costs	289.613,98	346.213,93	302.548,85	304.803,32	310.968,86	299.976,42	315.546,21	337.420,72	370.115,43	366.988,21
Written Correctors Costs	227.203,57	237.021,28	229.349,59	234.180,68	244.314,26	282.581,46	315.195,80	313.424,43	279.397,06	225.966,15

— Oral Examiners Costs — Written Correctors Costs



€0	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Cost per written exam	30,27 €	31,28 €	31,12 €	31,37 €	31,17 €	31,53 €	34,98 €	33,19 €	27,98 €	21,33 €
Cost per oral exam	48,30 €	57,24 €	51,33 €	51,18 €	49,71 €	55,89 €	58,47 €	59,67 €	61,90 €	57,81 €
Average cost per exam	38,28 €	42,81 €	40,10 €	40,16 €	39,40 €	40,66 €	43,78 €	43,11 €	40,69 €	35,00 €

— Cost per written exam — Cost per oral exam — Average cost per exam

10.6. Cost of the European Baccalaureate for the Accredited Schools (Currently registered)

European Accredited Schools (EAS)

1.	Liceo Scientifico "Fermi-Monticelli" - European High School Brindisi	(*BRI)	63 candidates
2.	Europa School UK	(*CUL)	42 candidates
3.	European Schooling Helsinki	(*HEL)	10 candidates
4.	The School of European Education of Heraklion	(*HER)	7 candidates
5.	École internationale de Manosque	(*MAN)	7 candidates
6.	Scuola per l'Europa di Parma	(*PAR)	45 candidates
7.	The European School RheinMain	(*RHM)	91 candidates
8.	École européenne de Strasbourg	(*STR)	56 candidates
9.	Tallinna Euroopa Kool	(*TAL)	2 candidates
			323 candidates

In keeping with decisions by the BoG of April 2011 (cf. 2011-12-D-17-fr-1 « Rectification to decisions of the BoG meeting of 12-14 April 2011 – 2011-04-D-7-fr-3 »), «as from the 2012 session of the Baccalaureate, accredited schools providing European education shall be billed only at the **average cost** of the organization of the European Baccalaureate, **by European Baccalaureate pupil, multiplied by the number of pupils enrolled** at the examination session. »

For the 2018 session, the currently registered cost per candidate was **€500,71**.

The Accredited Schools would therefore be billed for these amounts:

School	Candidates	Amount
Liceo Scientifico "Fermi-Monticelli" - European High School Brindisi	63 candidates	€31.544,73
Europa School UK	42 candidates	€21.029,82
European Schooling Helsinki	10 candidates	€5.007,10
The School of European Education of Heraklion	7 candidates	€3.504,97
École internationale de Manosque	7 candidates	€3.504,97
Scuola per l'Europa di Parma	45 candidates	€22.531,95
The European School RheinMain	91 candidates	€45.564,61
École européenne de Strasbourg	56 candidates	€28.039,76
Tallinna Euroopa Kool	2 candidates	€1.001,42
TOTAL		€161.729,33

Opinion of Board of Inspectors (Secondary)

The Board of Inspectors (secondary) took note of the present Report. The pass rate in the Baccalaureate had steadily risen and with 98.16% was higher than the average for 15 years, which is 97.99%". The second online correction session had gone well. The number of scripts corrected a third time was to be studied and monitored.

The document contained an impressive number of figures and statistics. However, Mr MARCHEGGIANO took the view that such a large amount of data should not be published without a statistical analysis and wished the services to be used, if only temporarily, of a specialist, who would determine and analyse the most relevant data prior to the report's publication.

The changes requested during the meeting would be incorporated into version 3 of the report, which would be presented to the Budgetary Committee for an opinion, then to the Board of Governors for approval.

Opinion of Joint Teaching Committee

The Joint Teaching Committee complimented the Baccalaureate Unit and its Head, Ms Rudomino, on the detailed and interesting factual report. A second version with minor corrections of the document had been published a few days prior to the meeting. The JTC expressed a favorable opinion on the draft report on the 2018 European Baccalaureate session. A chapter on the costs of the European Baccalaureate exams would supplement the second version and then it would be sent forward as the third version to the Budgetary Committee for its opinion, then to the Board of Governors for approval.

Opinion of Budgetary Committee

The Budgetary Committee gives a favorable opinion on the draft report of the 2018 European Baccalaureate and transmits it to the Board of Governors for approval.

Proposal to the Board of Governors

The Board of Governors is invited to scrutinize and to approve the present document.