



Schola Europaea / Office of the Secretary-General

European Baccalaureate Unit

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Report on European Baccalaureate 2018

Approved by the Board of Governors of the European Schools

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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 Baccalaureate |

| 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 |

Introduction

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

1. The European Bacculaureate Examinations

1.1. 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). |

1.2. Additional written examinations

Article 13 of the Arrangements for implementing the regulations for the European Baccalaureate 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 Baccalaureate 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 Baccalaureate 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 Baccalaureate Marks, but will be shown on an Additional Examination Certificate signed by the Secretary-General of the European Schools (...).

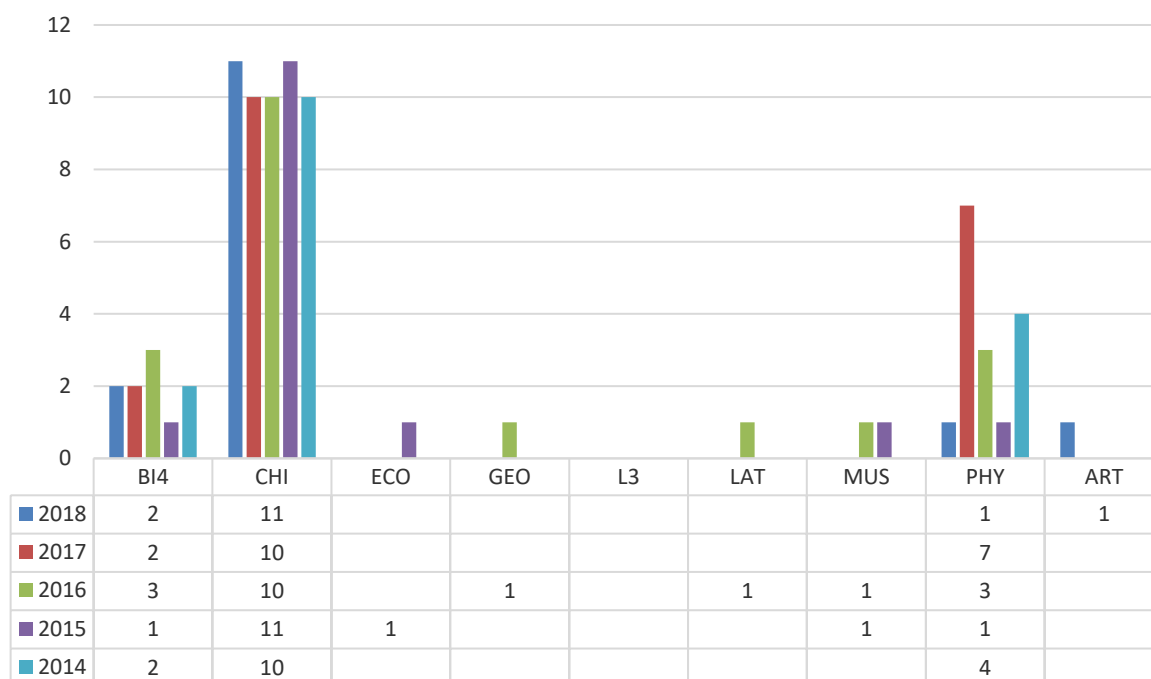
The graph below shows the evolution of requests for an additional written examination.

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

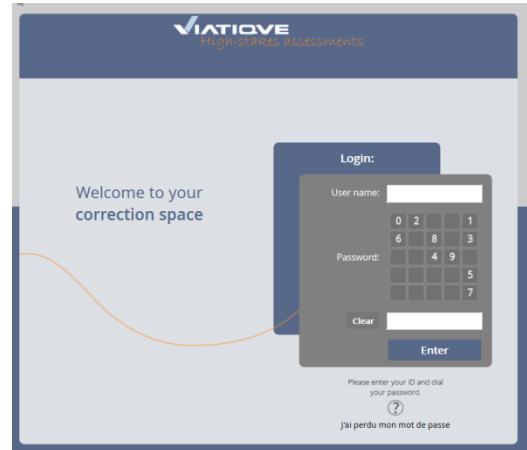


1.3. Correction of the European Bacculaureate Examinations: the On-line Correction System

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 interface is divided into several sections:

- Top Bar:** Navigation icons (Retour, Accueil, Forum, Aide, Messagerie) and the user name 'Albestin Ivan'.
- Left Sidebar:**
 - Notation:** A table showing scores for different parts of the exam.

| Partie | Score | Max |
|---------------|-------|-----|
| 1) partie 1 | 9 | 10 |
| 2) question 1 | 3 | 5 |
| 3) question 2 | 4 | 5 |
| 4) partie 2 | 5 | 10 |
| 5) question 1 | 3 | 5 |
| 6) question 2 | 2 | 5 |
 - Appréciation:** A text box containing a message: "This is a great examination. You did a big effort during the year in order to get this good result."
- Main Area:**
 - VIATIQUE Anonymat:** The student's handwritten script with various correction marks. Green checkmarks indicate 'Brillant!!' (Excellent), while red 'X' marks indicate 'Not enough info' or 'Not answer'.
 - Feedback:** A vertical column on the right side of the script provides specific feedback for each section.
- Right Sidebar:**
 - Outils:** A set of icons for navigation and editing.
 - Commentaire:** A section for adding comments or feedback.
 - Bibliothèque:** A section for accessing resources, with a 'Trier par' dropdown menu.

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 are 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.

2. Assurance Quality of the 2018 European Bacculaureate session

2.1. 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.

2.2. 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 |

2.3. 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 |

3. The European Baccalaureate Candidates

3.1. Number of candidates in the 2018 European Baccalaureate 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 Baccaalaureate 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 |

3.2. Participation in the European Baccaalaureate 2018 session by school and by language section

Of the 2146 pupils registered for the European Baccaalaureate 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 Baccaalaureate 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.

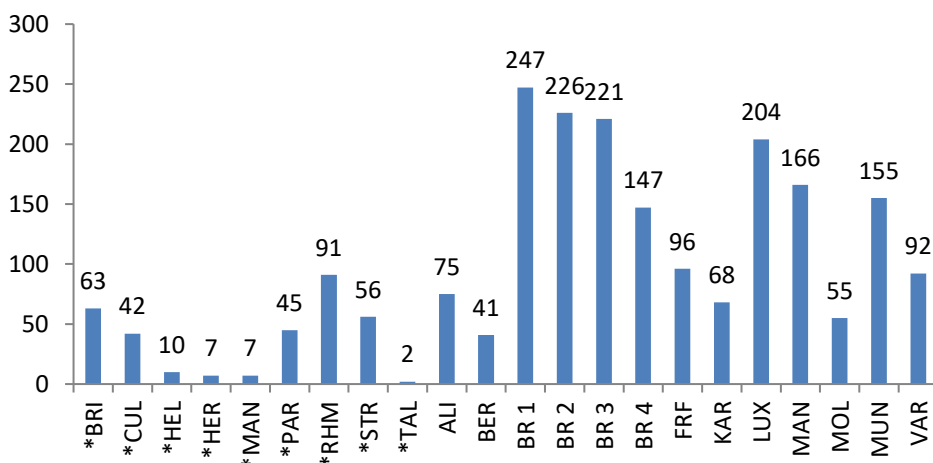
This year there was no need to arrange an extraordinary session in September 2018.

| 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 |

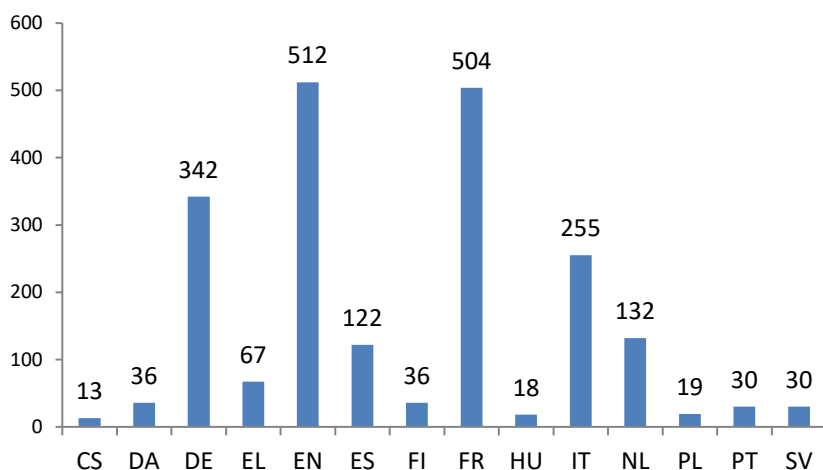
The largest number of European Baccaulaureate candidates per school came from the European School of Brussels 1 (247).

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

Number of candidates per school - EB 2018



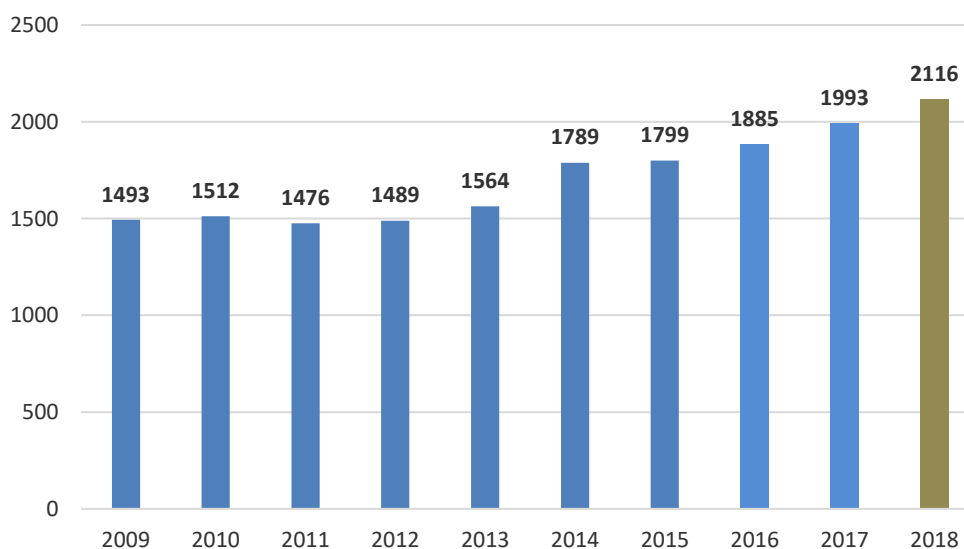
Number of candidates per linguistic section



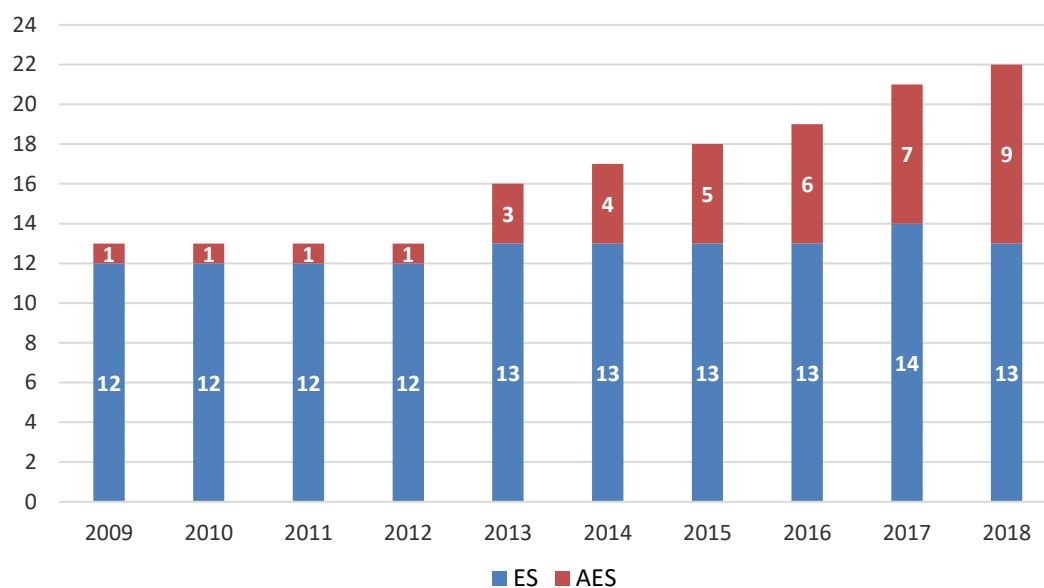
The largest number of European Baccaulaureate candidates per language section can be found in the English language section, with 512 candidates, closely followed by candidates from the French section, 504, and the German section, 342.

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

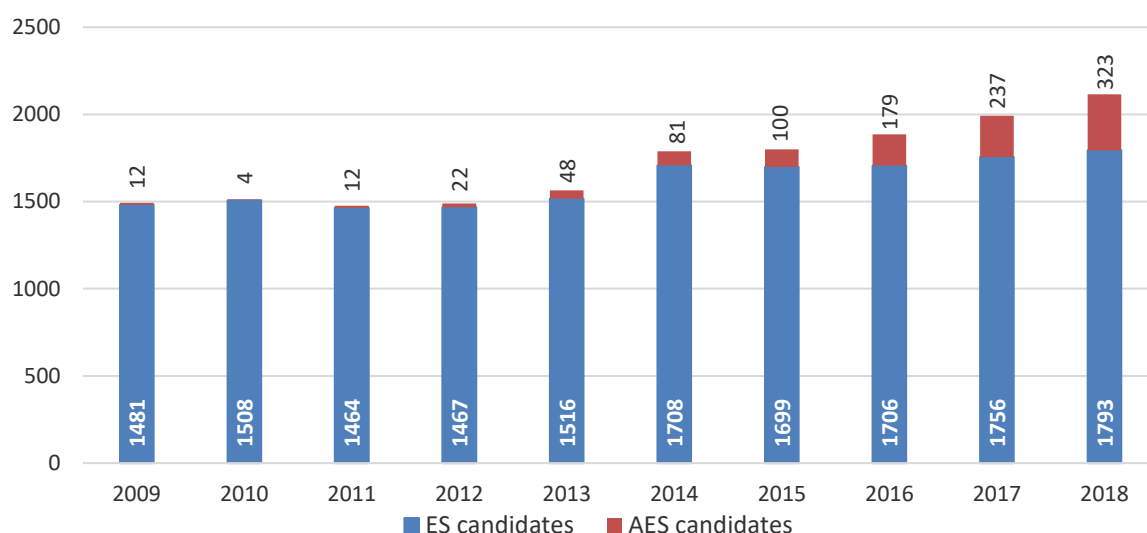
Number of candidates EB sessions 2009-2018



Number of schools - BACC sessions 2009-2018



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

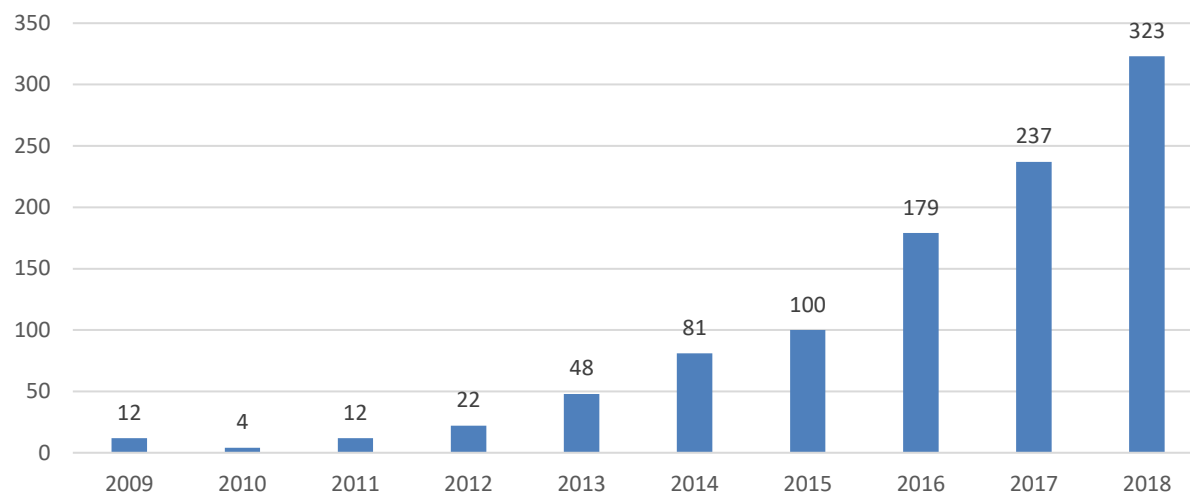


Evolution of the AES candidates (considering 2009 as the 1st year of AES in EB session)

| 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



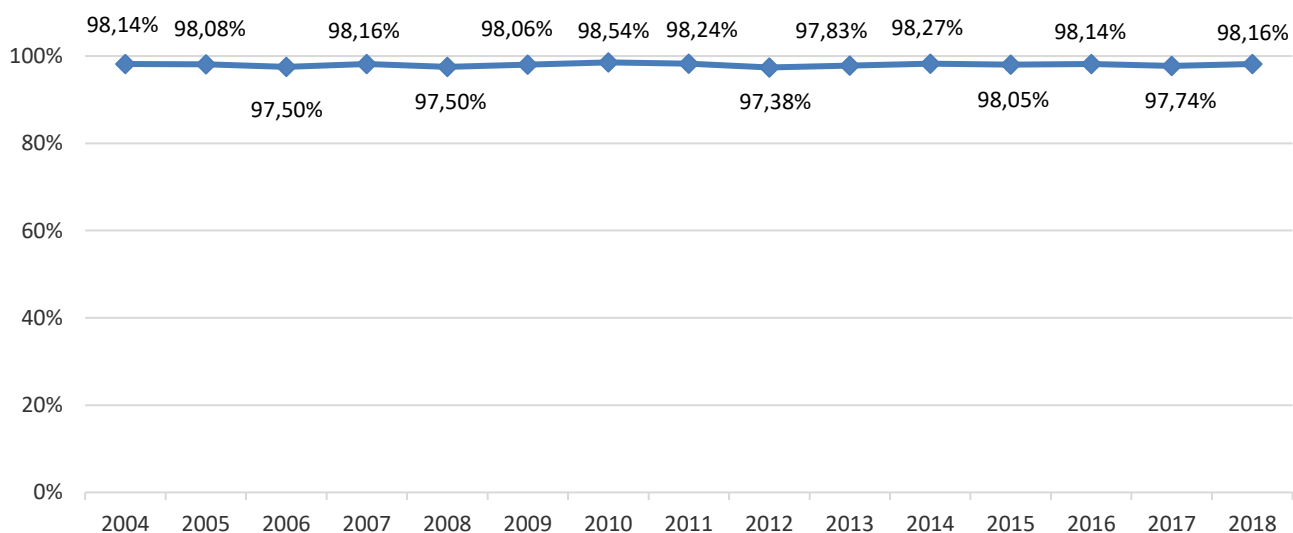
4. General Results of the European Bacculaureate 2018 session

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

| European Bacculaureate 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 |

4.1. 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 Bacculaureate 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%.

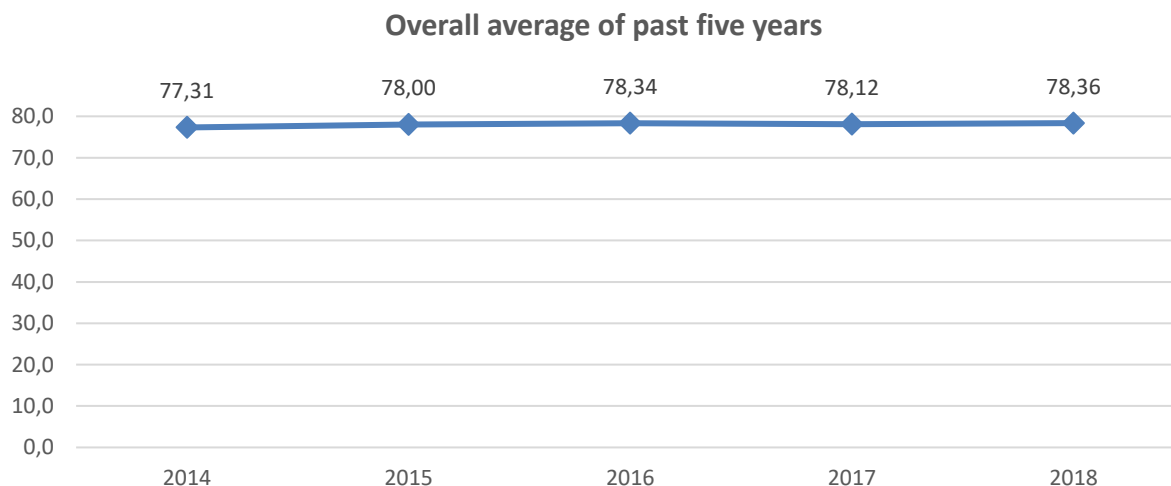
Due to small numbers of bachelors in some sections, the results are not always statistically comparable.

| 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% | |

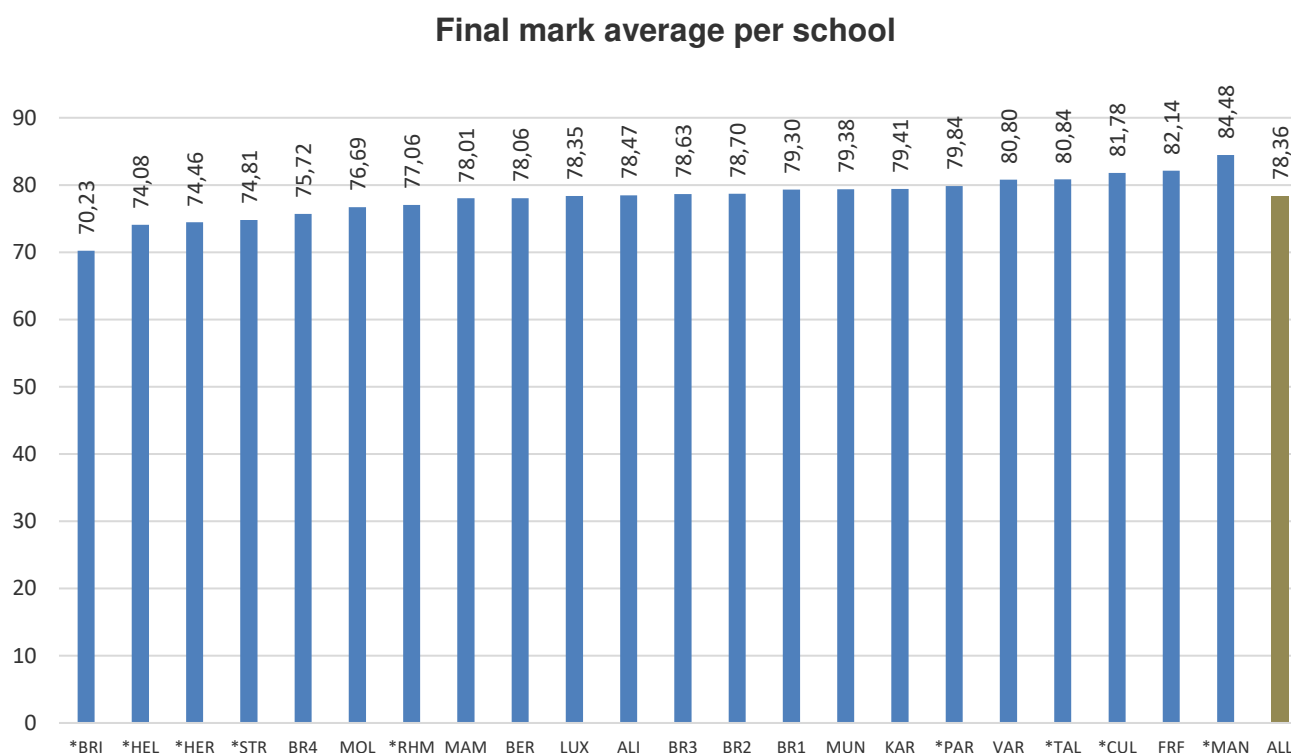
4.2. Final marks and averages

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

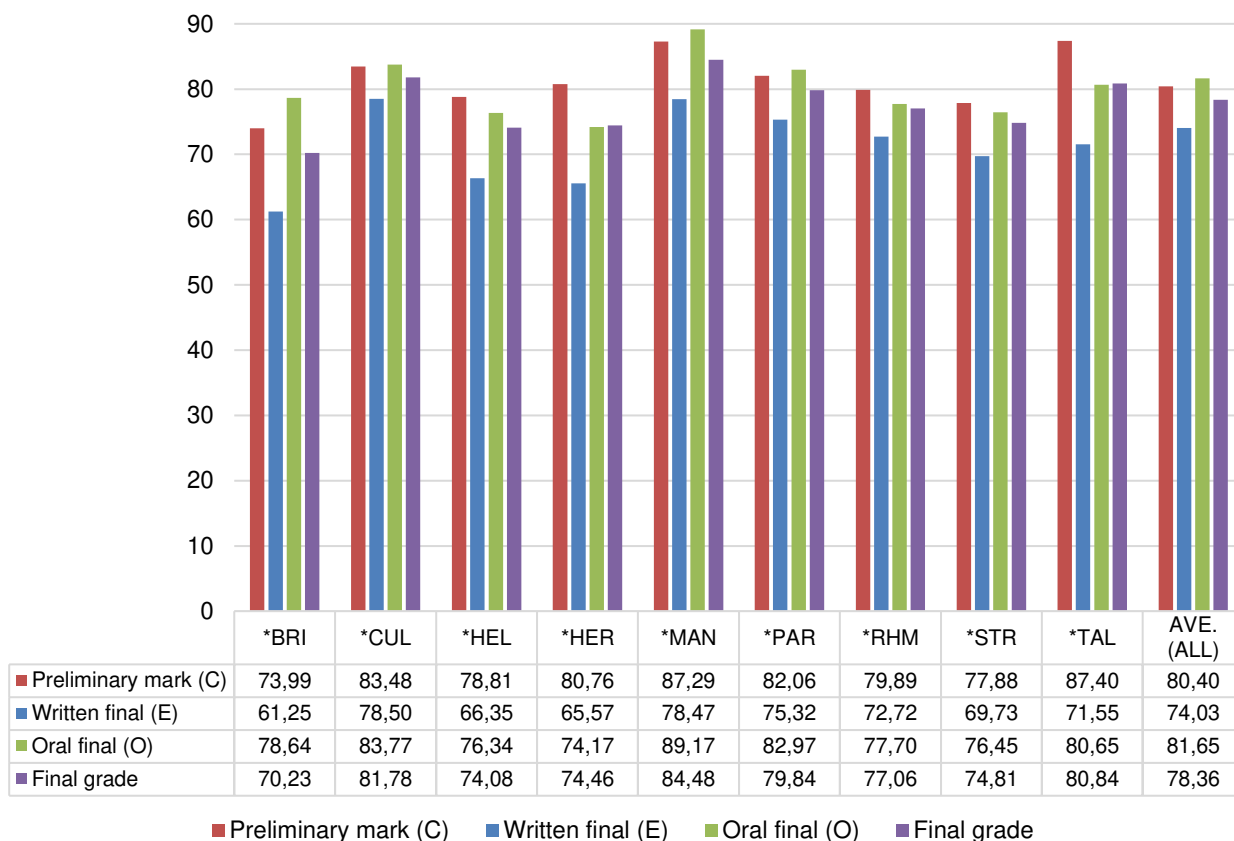
For all the candidates who participated in the 2018 session of the European Bacculaureate, the average Final Mark amounted to 78.36.



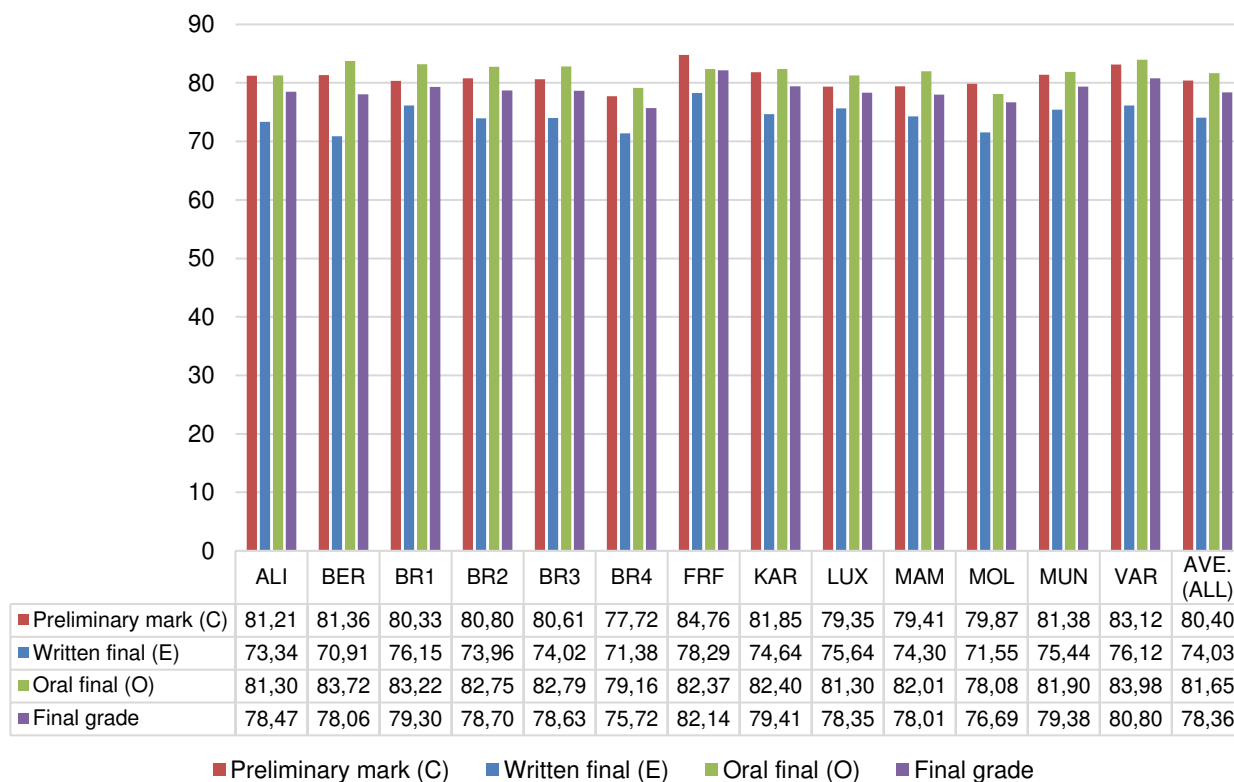
This year the average Final Mark ranged between 70.23 and 84.48 throughout schools:



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

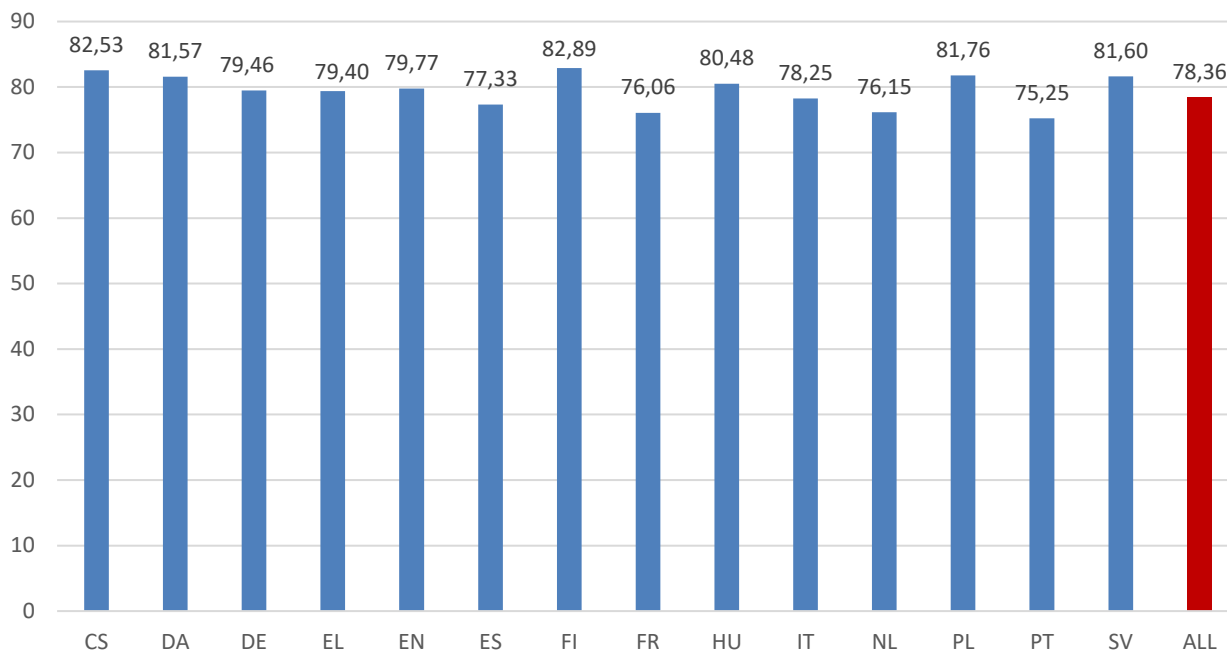


Average Marks C, W, O and Final - per European School



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

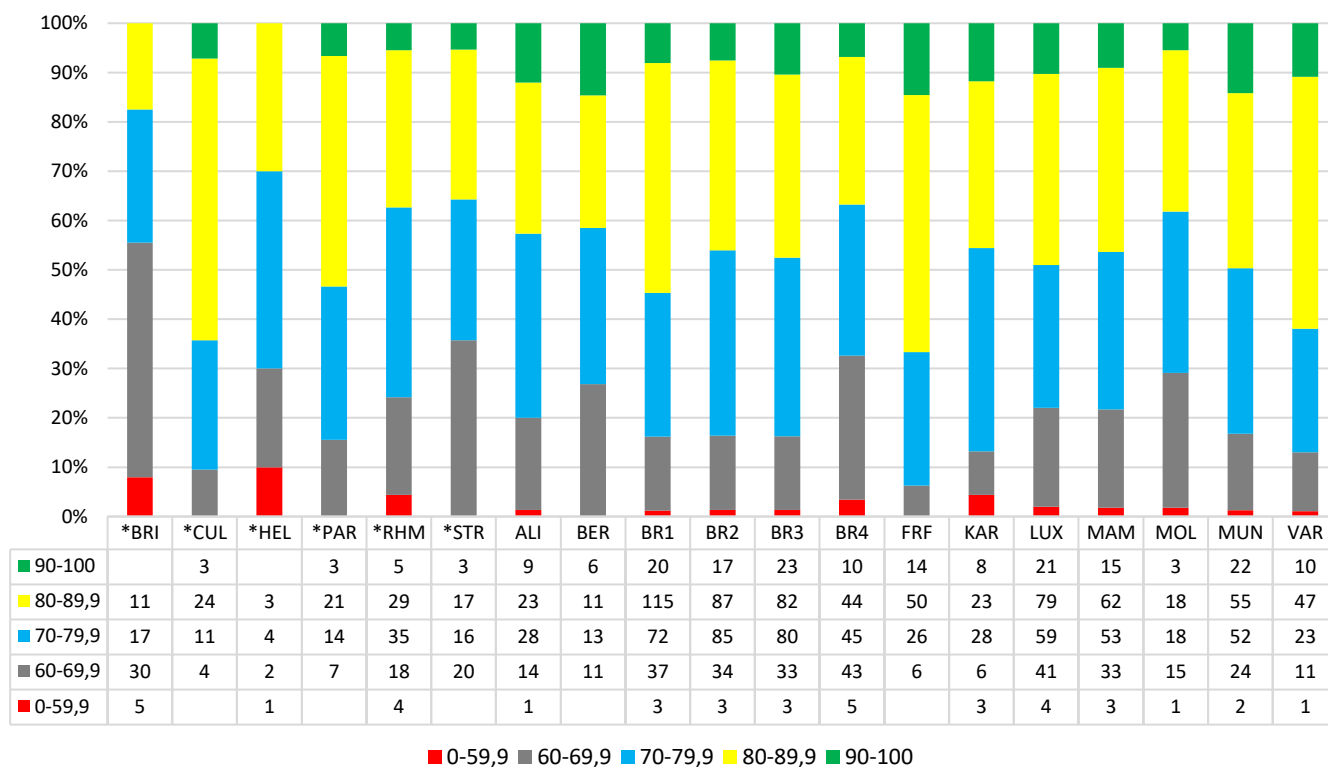


Number of candidates per linguistic section

| 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 |

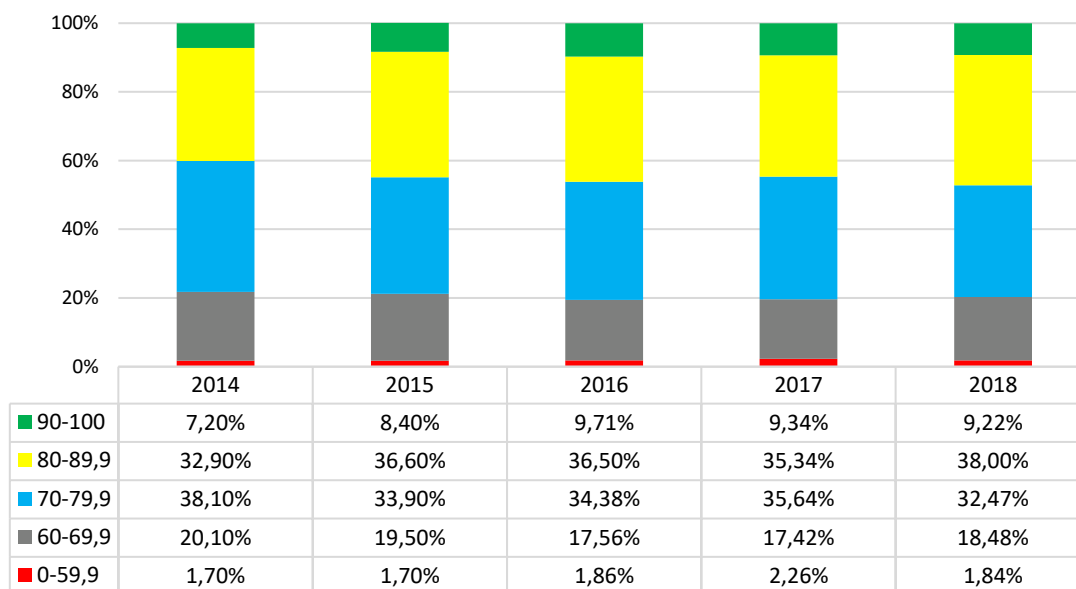
The following table shows the distribution of Final Marks, in %, in the different schools¹:

Distribution of final marks



Breakdown of final results throughout the past five years

Breakdown of final results



4.3. 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.

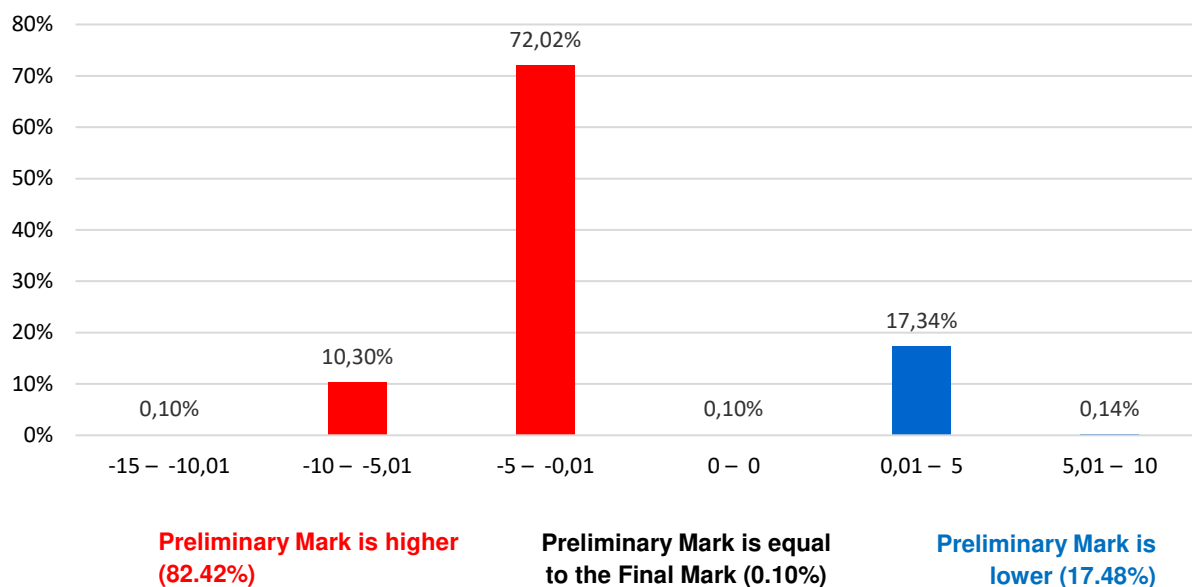
¹ Schools with less than 10 candidates are not shown in the graph because do not provide relevant statistical information.

4.3.1. 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)

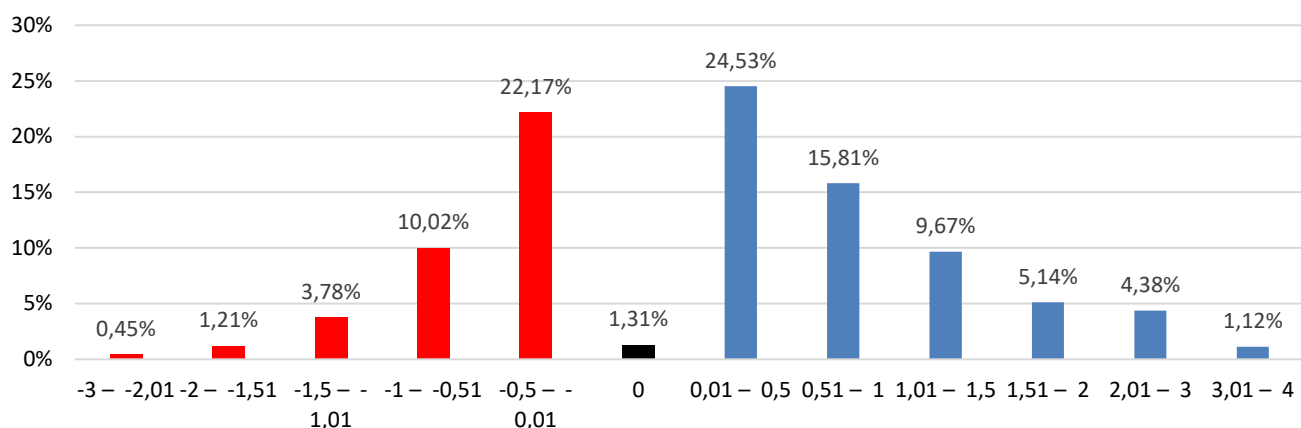


| Outcome of: Final mark - Preliminary mark: | Candidates |
|--|-------------|
| Between -15 and -10,01 points | 2 |
| Between -10 and -5,01 points | 218 |
| Between -5 and -0,01 points | 1524 |
| Exactly 0 points | 2 |
| Between 0,01 and 5 points | 367 |
| Between 5,01 and 10 points | 3 |
| Between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

4.3.2. 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.

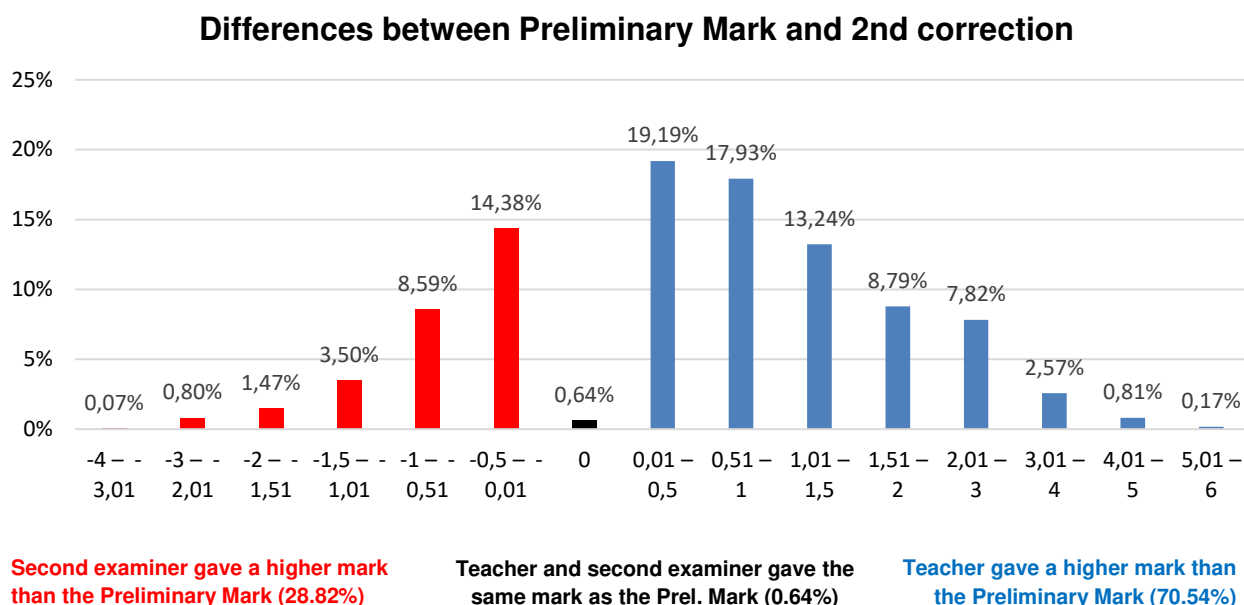
Around 38% of the candidates receive higher marks from their teachers in the written examinations as compared to the preliminary mark.

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.

4.3.3. 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.

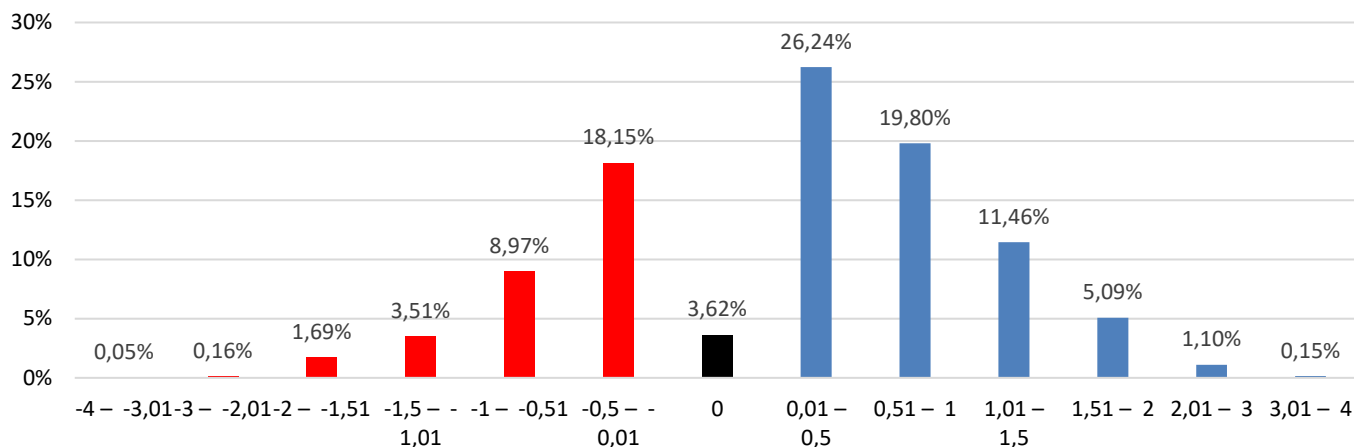
⁴ Same case than previous table between preliminary mark and first correction.

4.4. The Written Correction Marks

4.4.1. 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 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

4.4.2. Third corrections

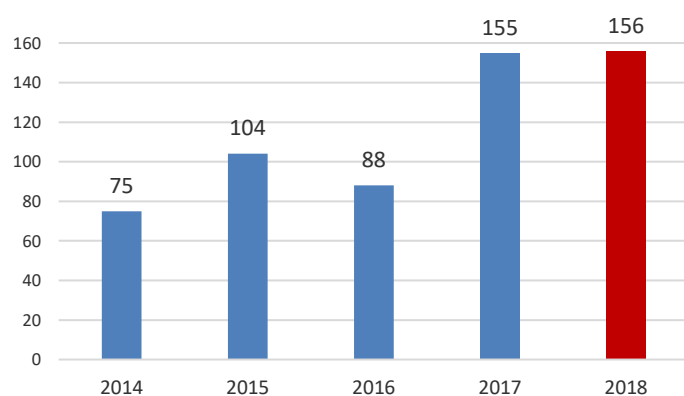
Out of 10595 scripts, 156 scripts were submitted to a third correction, i.e. 1.47% of the total scripts corrected.

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% |

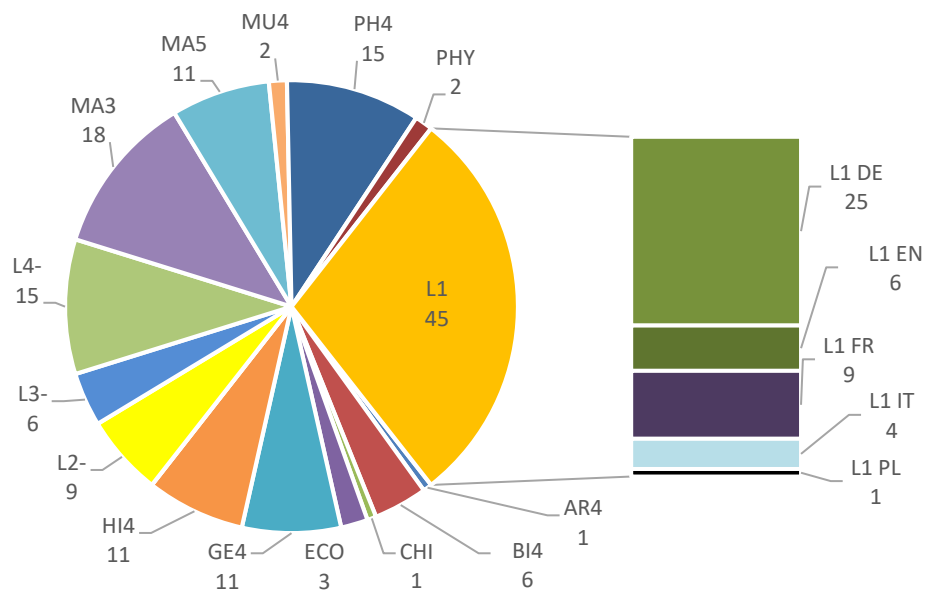
**Evolution of third corrections
EB sessions 2014-2018**



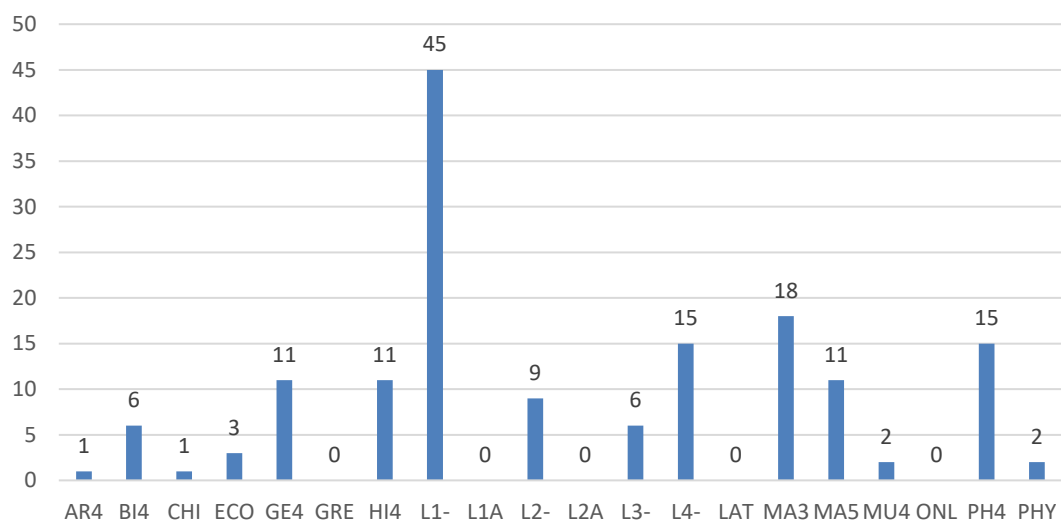
In 2017 there was an increase of the amount of third corrections, coinciding with the introduction of the on-line correction.

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.

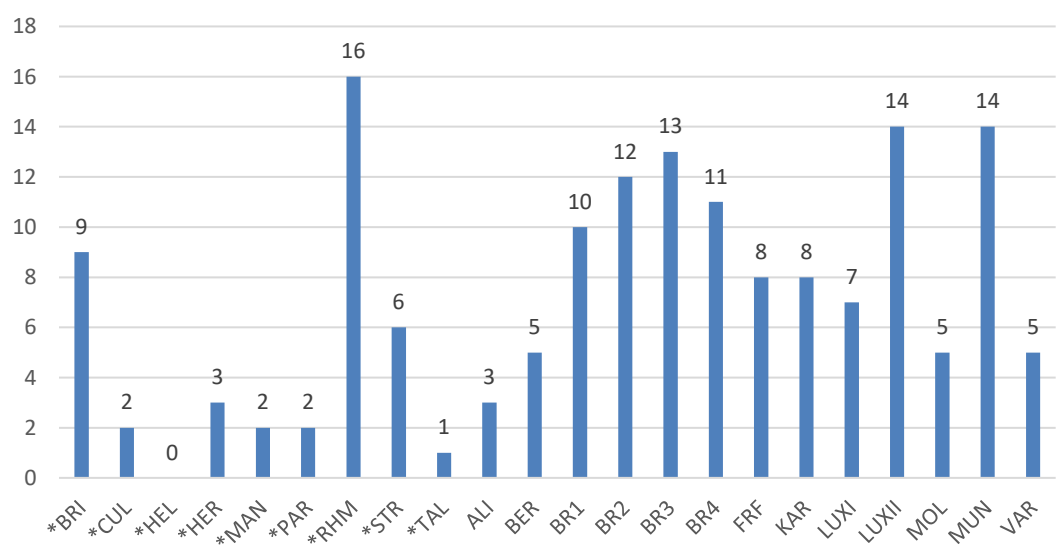
3rd Corrections EB session 2018



Number of 3rd corrections, per subject



Number of 3rd corrections, per school



4.4.3. 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.

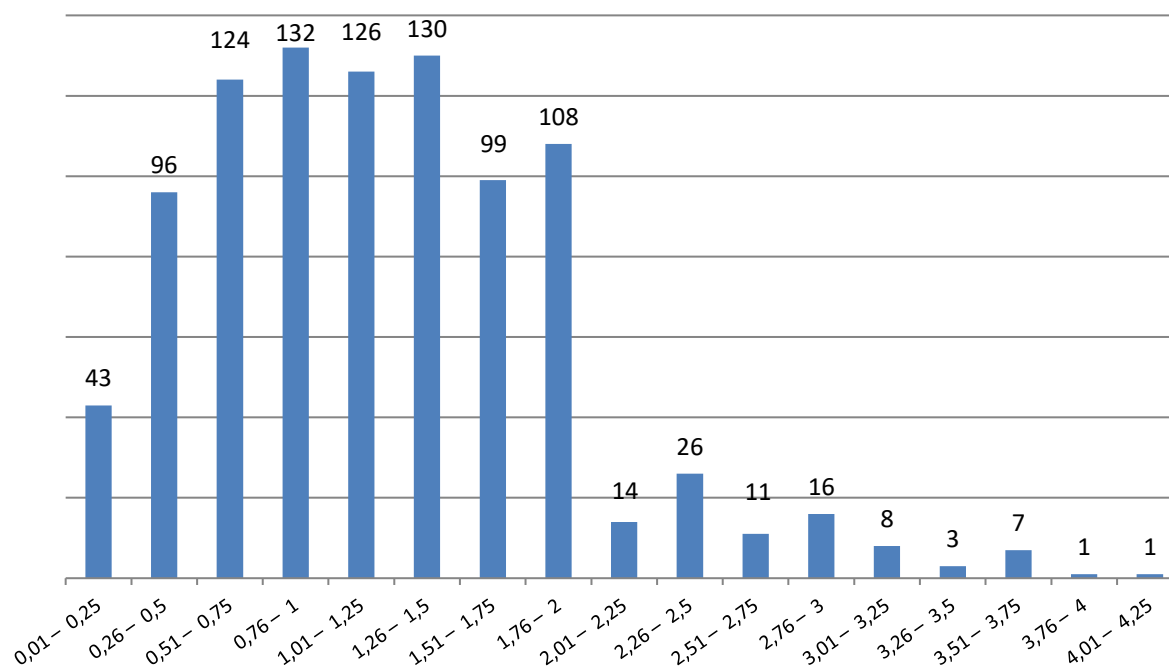
When comparing the written examination marks given by the teachers / first correctors, and external examiners / second correctors, for the 10595 scripts of the EB session 2018, the following can be observed:

| | 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.

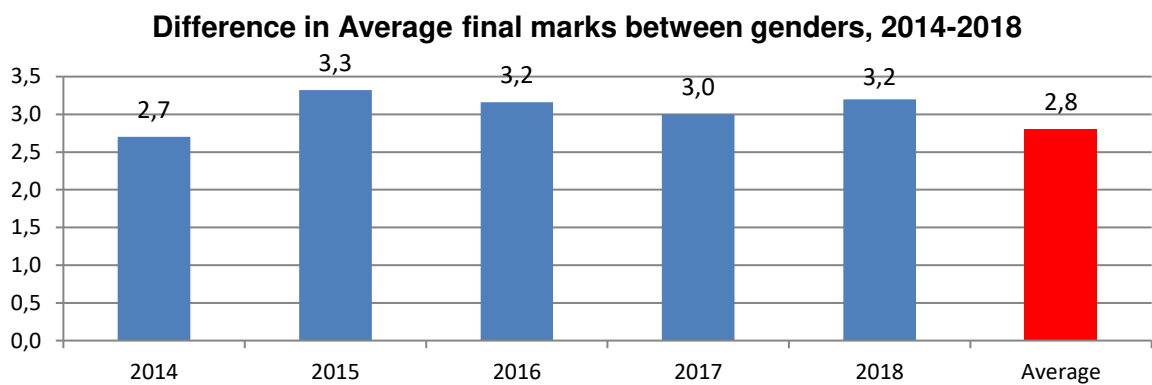
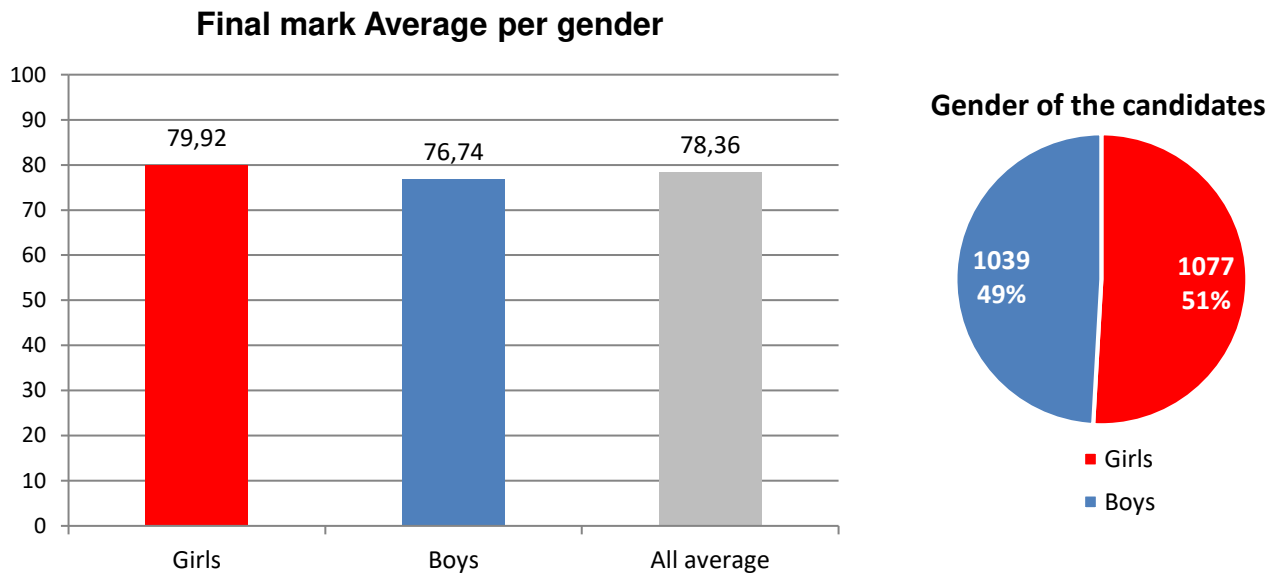
In 87 cases the difference between the two marks was higher than 2 marks, meaning that 9.21% of the 945 disputed scripts were thus submitted to a third correction.

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

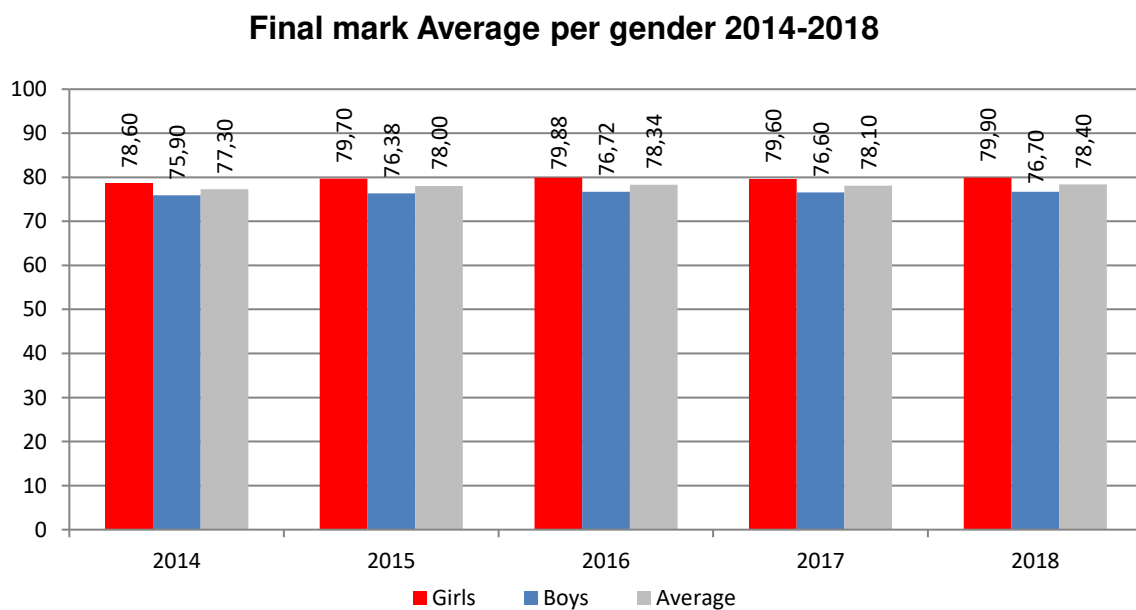


4.5. Gender differences

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



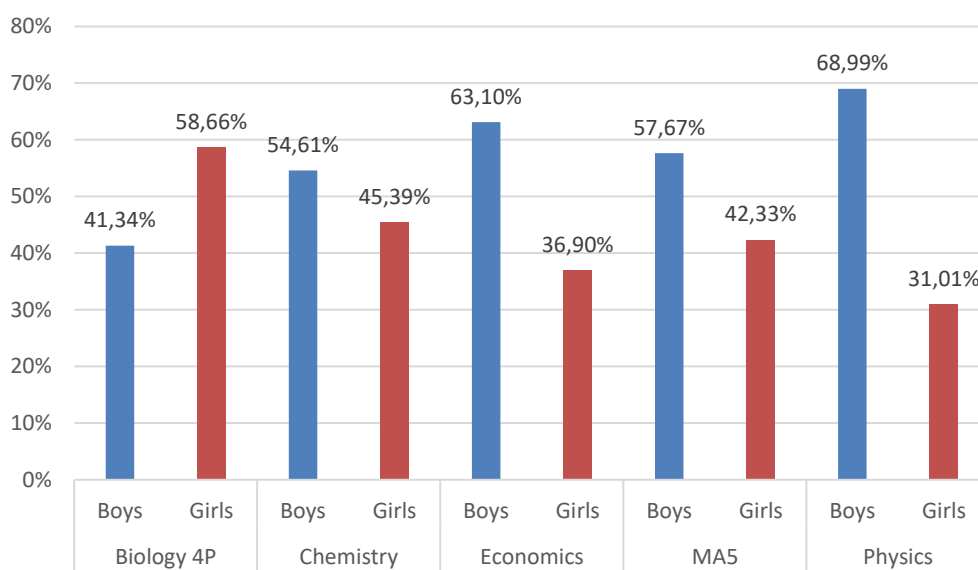
This is a general trend in the last 5 years:



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

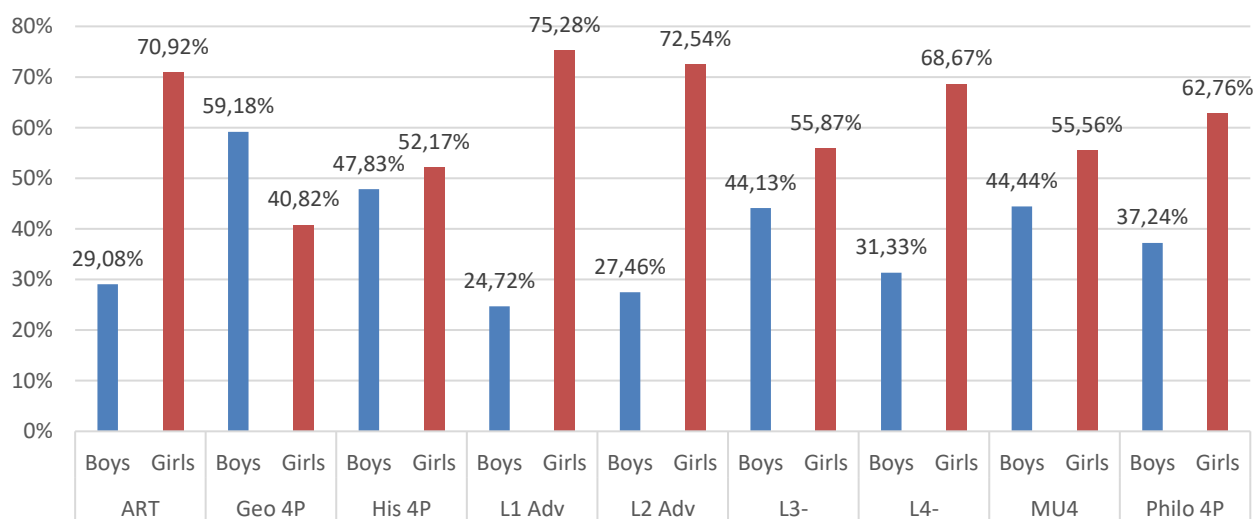
| Science Subjects | Gender | Number of candidates | Written Average | Percentage |
|-------------------|--------|----------------------|-----------------|------------|
| Biology 4P | Boys | 222 | 6,49 | 41,34% |
| | Girls | 315 | 6,96 | 58,66% |
| | Total | 537 | 6,77 | |
| Chemistry | Boys | 308 | 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



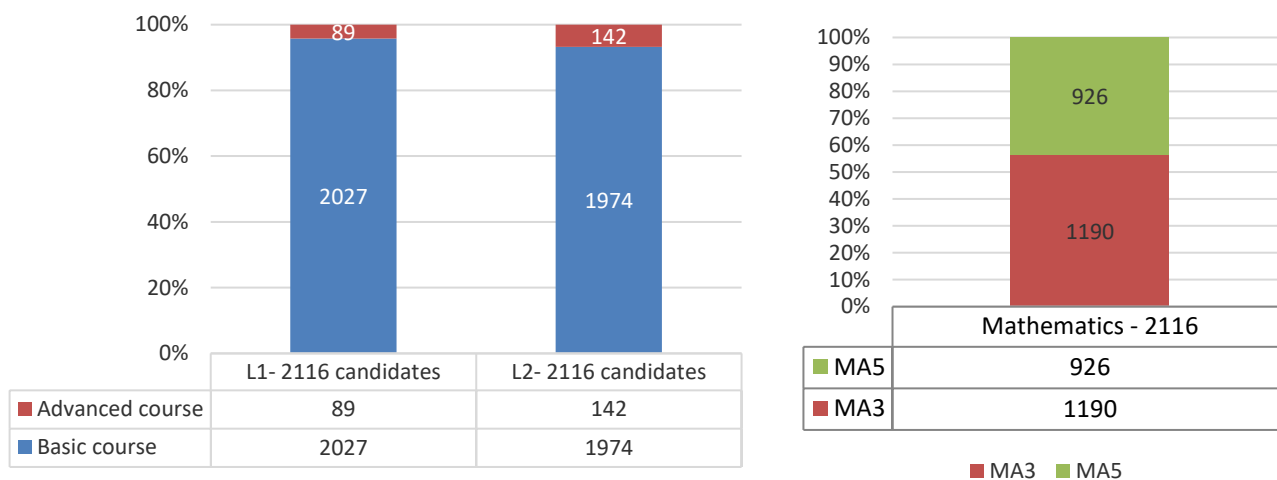
| Literary Subjects | Gender | Number of candidates | Written Average | Percentage |
|---------------------|--------|----------------------|-----------------|------------|
| ART | Boys | 82 | 7,82 | 29,08% |
| | Girls | 200 | 8,41 | 70,92% |
| | Total | 282 | 8,24 | |
| Geography 4P | Boys | 158 | 7,03 | 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



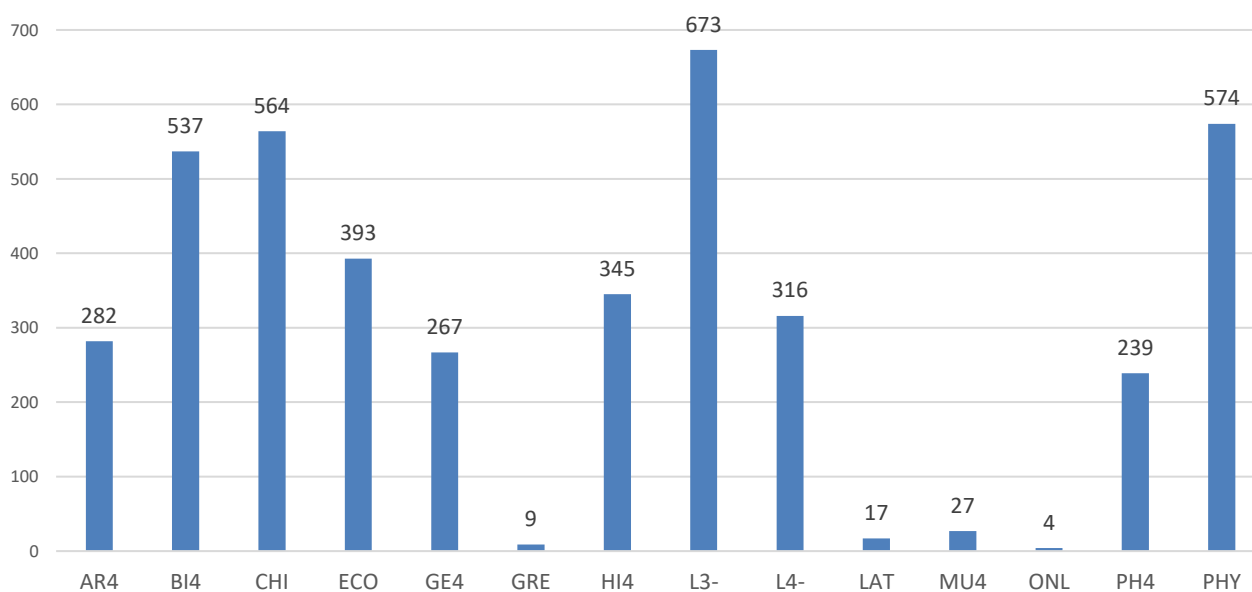
4.6. European Bacculaureate examinations and most popular written and oral examination options

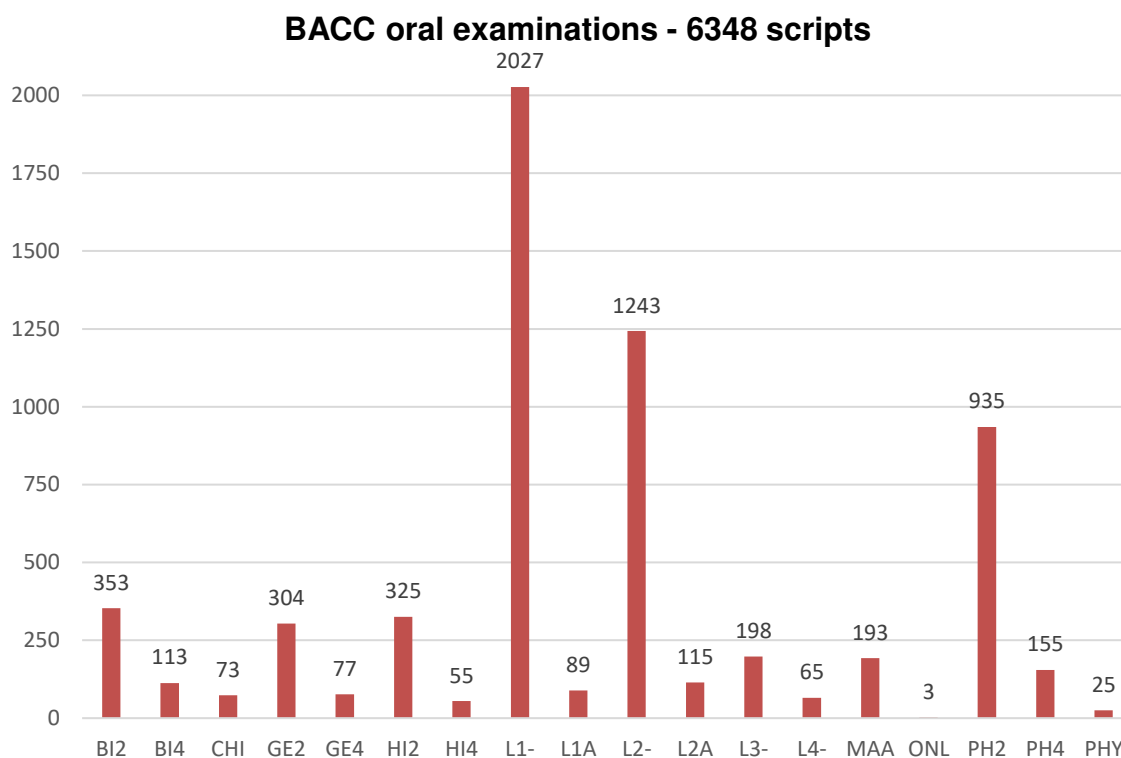
Compulsory Written examinations – 2116 candidates



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

Option BACC written examinations - 2447 scripts

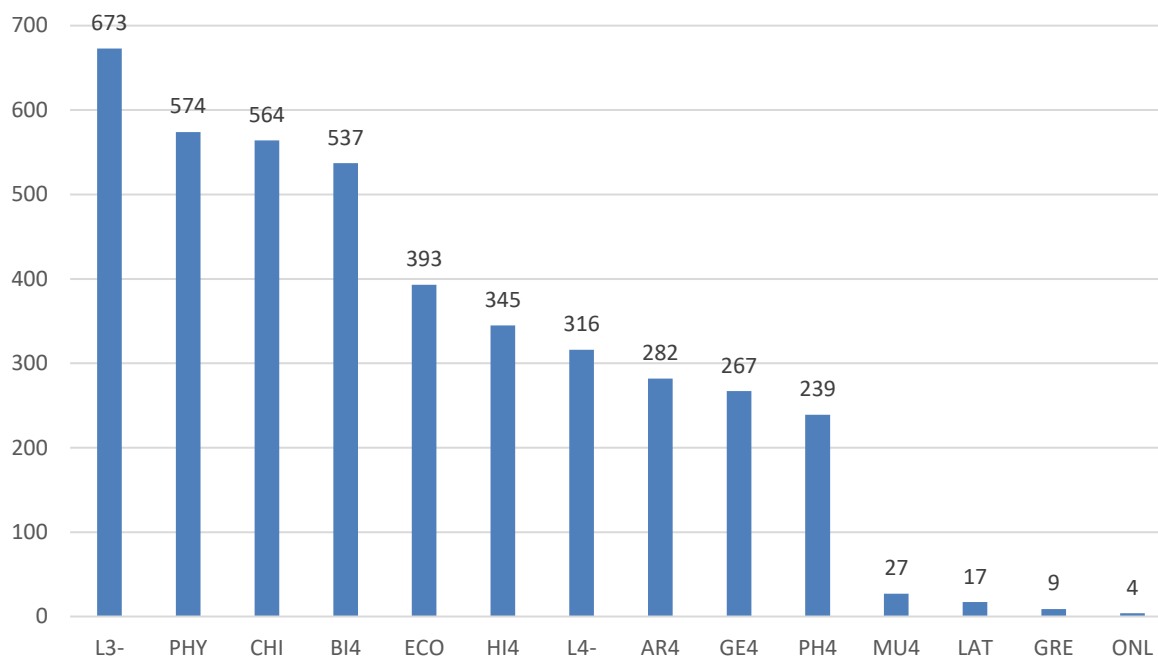


Oral examinations: 6348 orals (2116 x 3 = 6348 oral examinations)**4.6.1. Most popular written choices**

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.

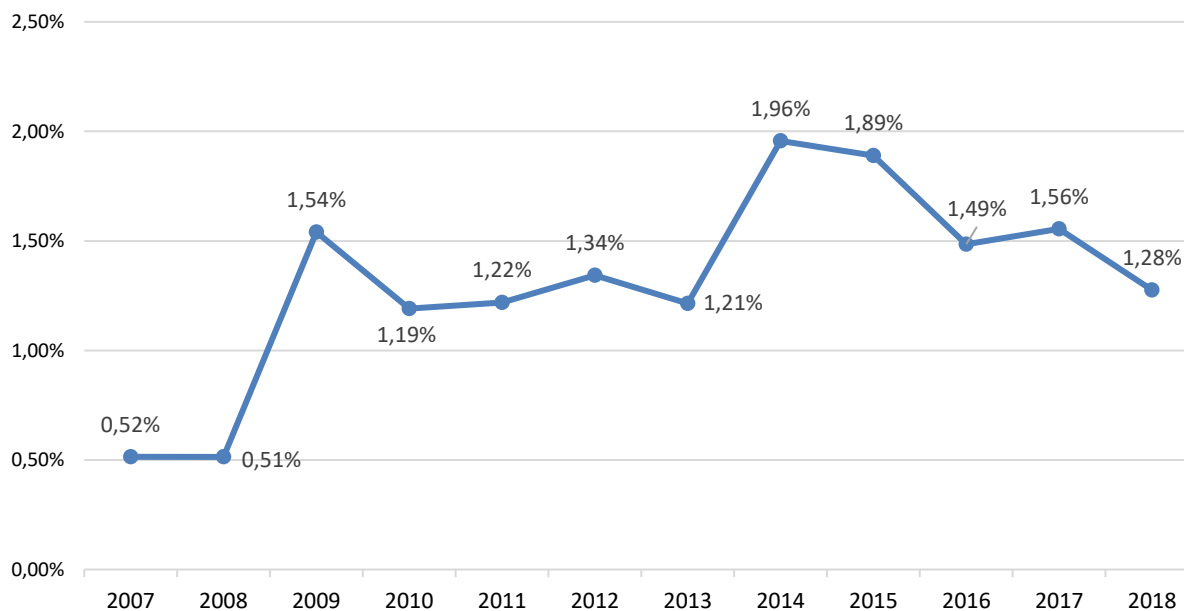
| Options of written examinations | Number of candidates BAC 2016 | Percentage of candidates BAC 2016 | Number of candidates BAC 2017 | Percentage of candidates BAC 2017 | Number of candidates BAC 2018 | Percentage of candidates BAC 2018 |
|---------------------------------|-------------------------------|-----------------------------------|-------------------------------|-----------------------------------|-------------------------------|-----------------------------------|
| 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.

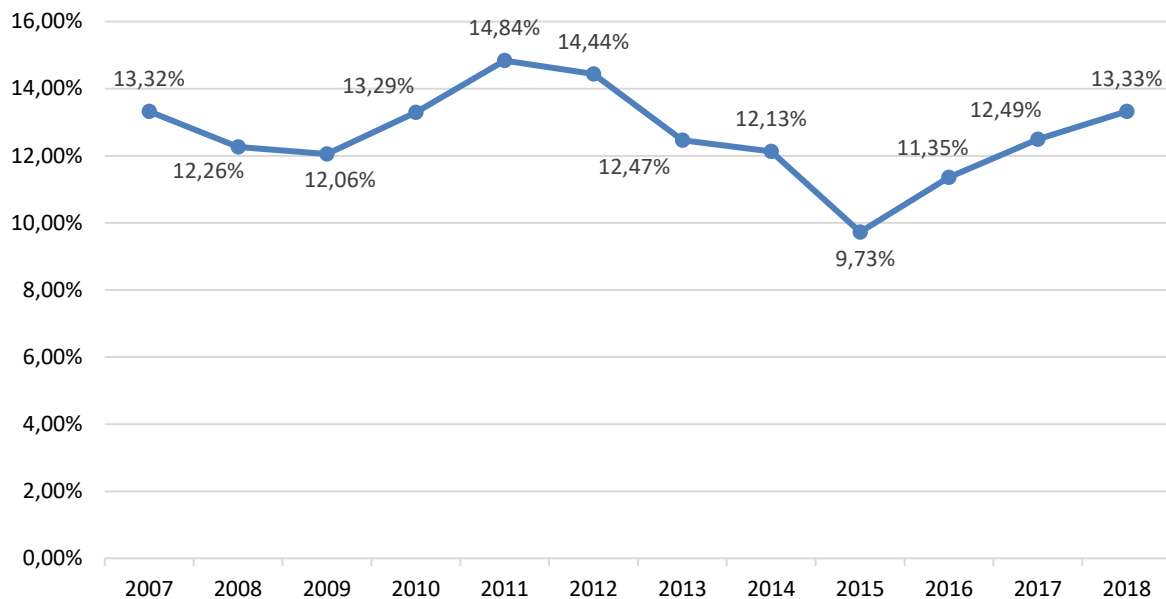
Evolution of the music written examination



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

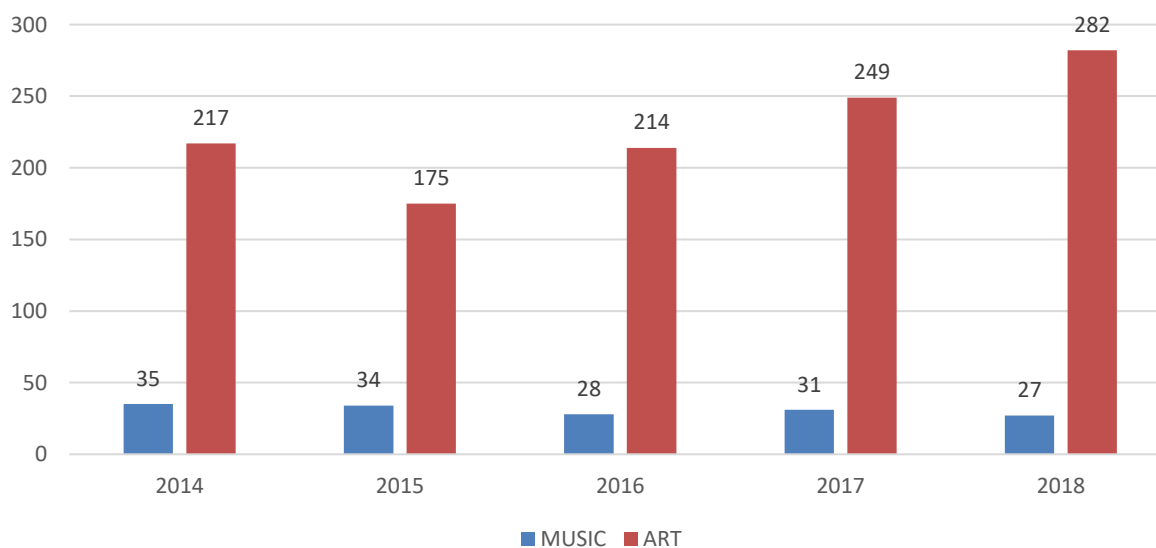


Number of candidates per year who chose the art written examination

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

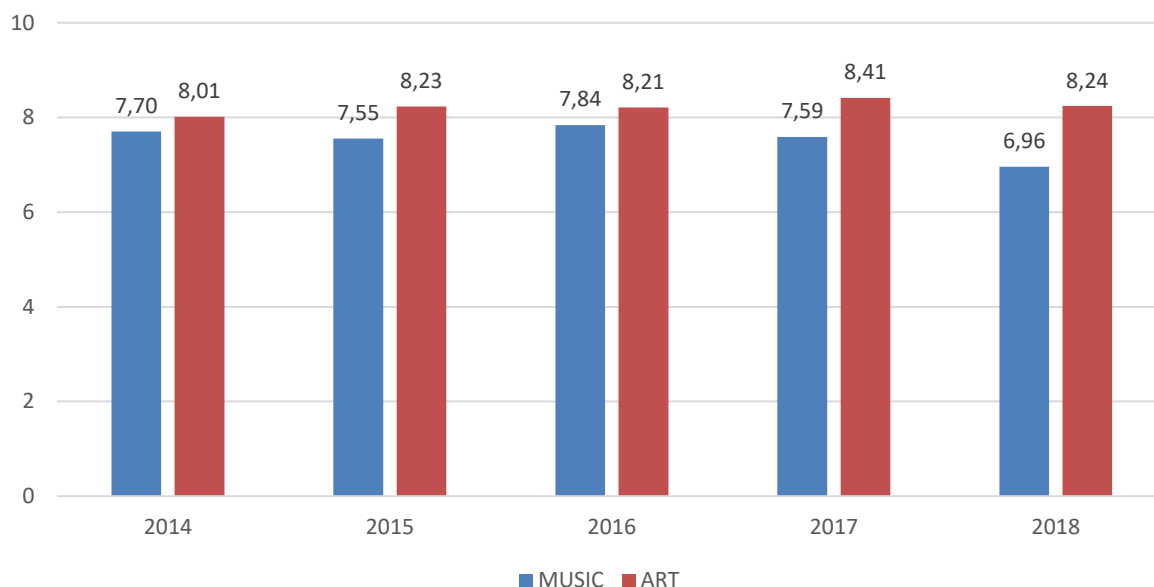
Music Education and Art candidates are in keep roughly the same rhythm throughout the years, as can be seen in the graph below. It can be remarked that the number of candidates who choose Art is growing gradually.

Art and Music: number of candidates 2014-2018



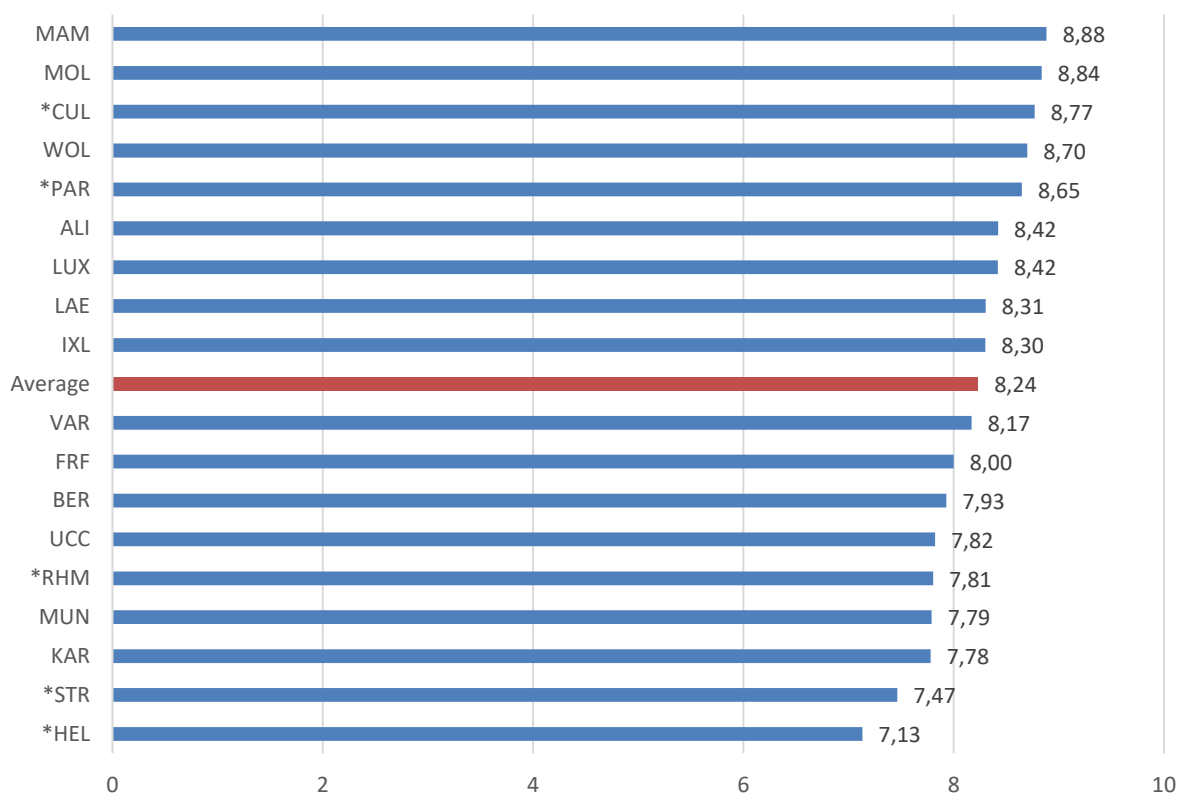
The averages in these disciplines are generally increasing. They tend to show that pupils choose the subjects out of passion, talent and competence, not just by mere curiosity or simple need to complete their schedule.

Art and Music: evolution of the written average



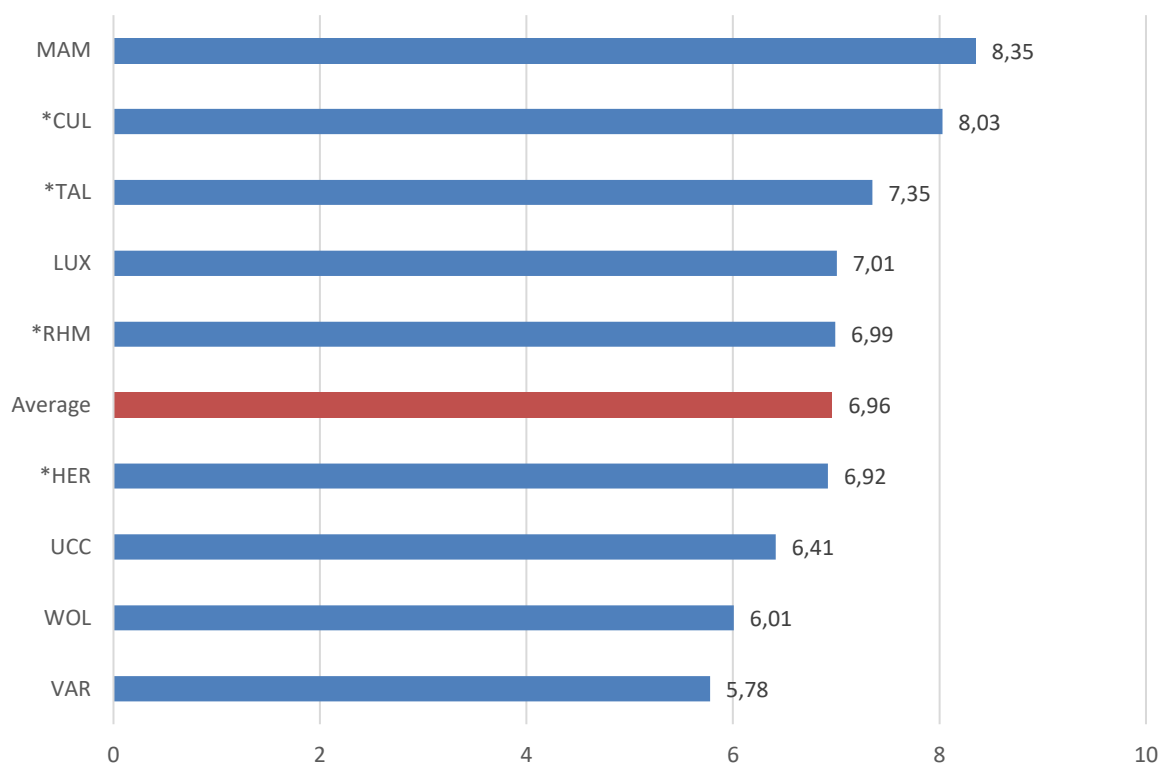
General average in Art at the 2018 European Baccalaureate, per school: 8.24.

Art average per school



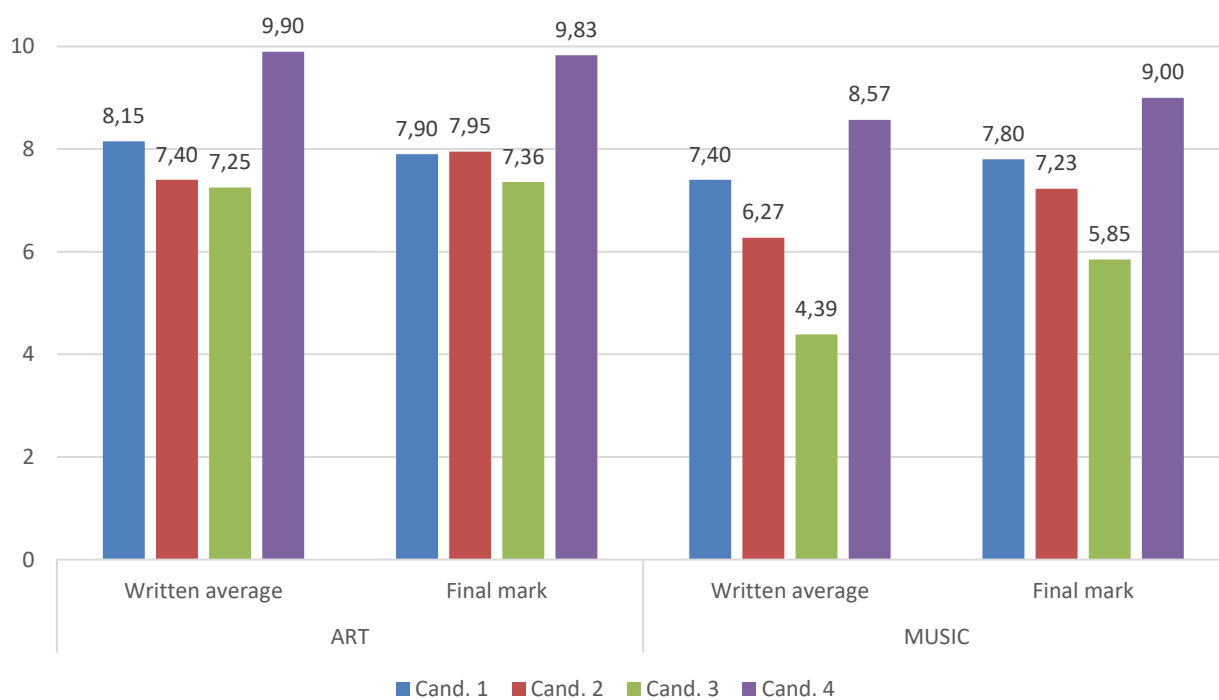
General average in Music at the 2018 European Bacculaureate, per school: 6.96.

Music average per school



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

Pupils having chosen both Art and Music

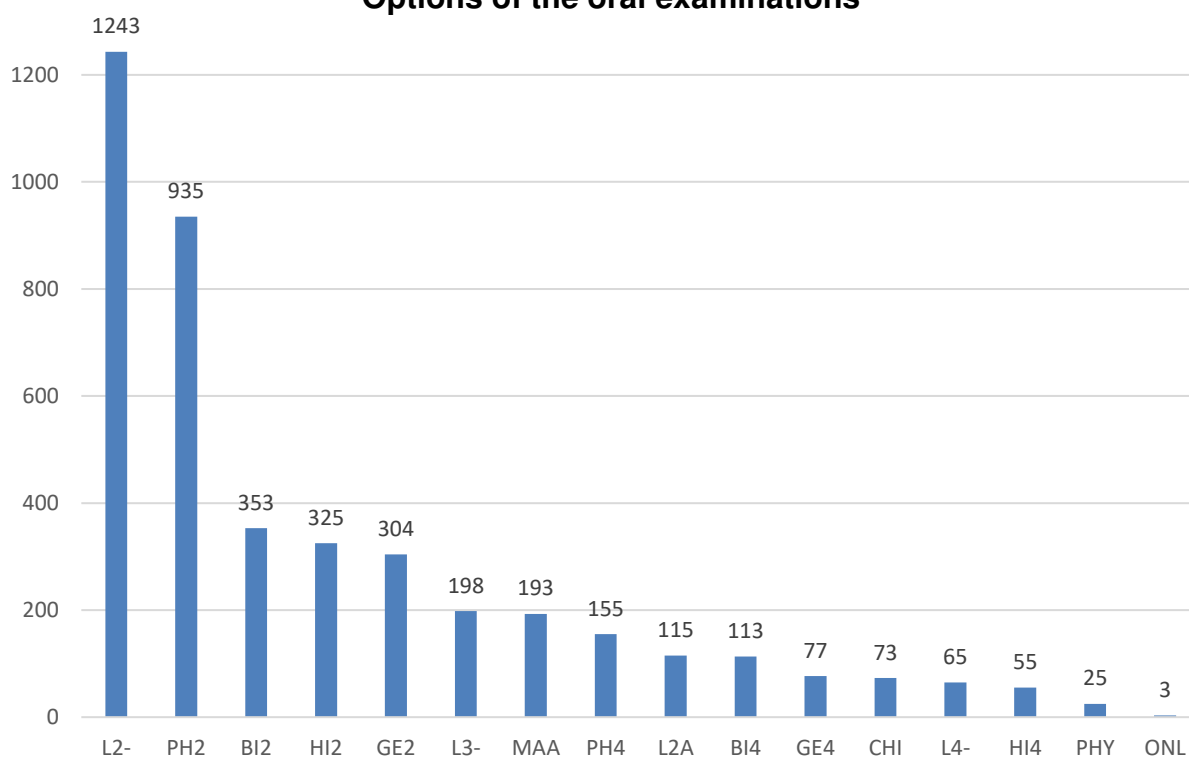


4.6.2. Most popular oral choices

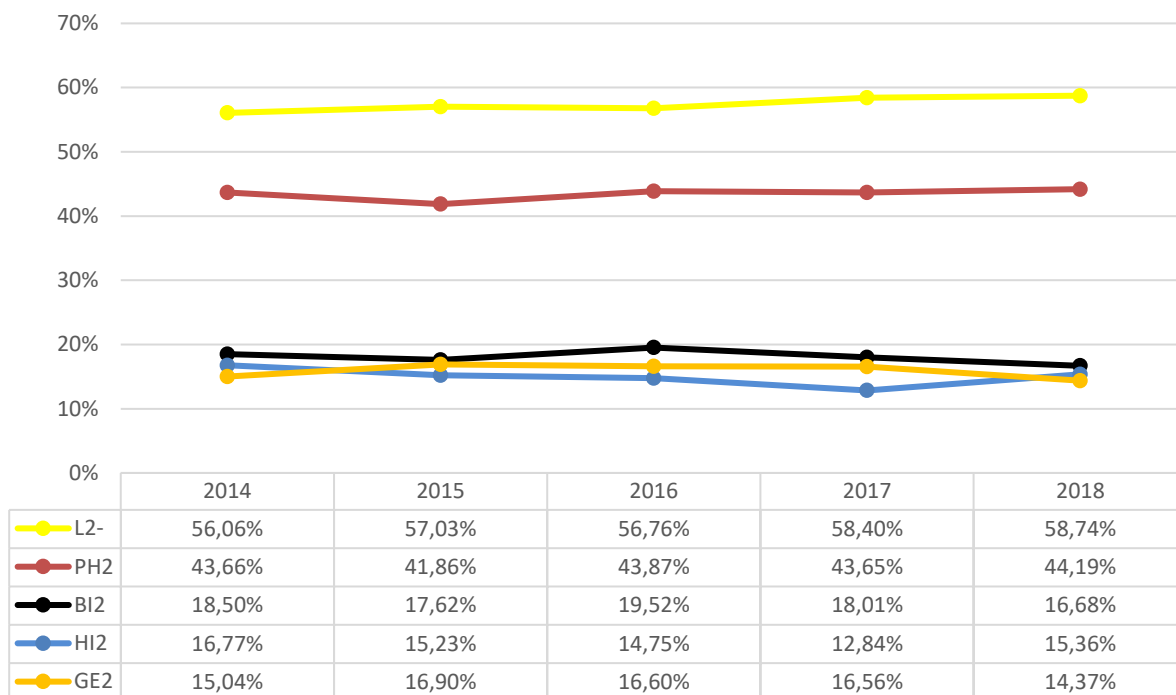
The five most widely chosen options for the oral examinations in 2017 were: Language II (English: 893), Philosophy 2, Biology 2, History 2 and Geography 2.

| 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% |

Options of the oral examinations

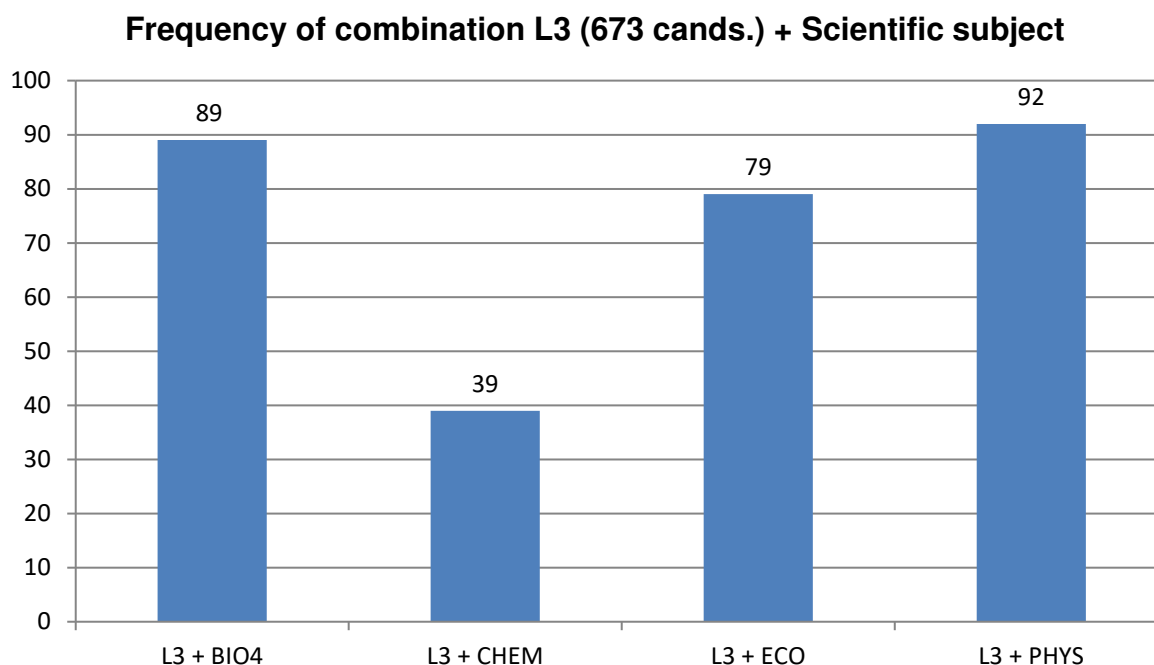


Oral candidates evolution



4.6.3. 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:

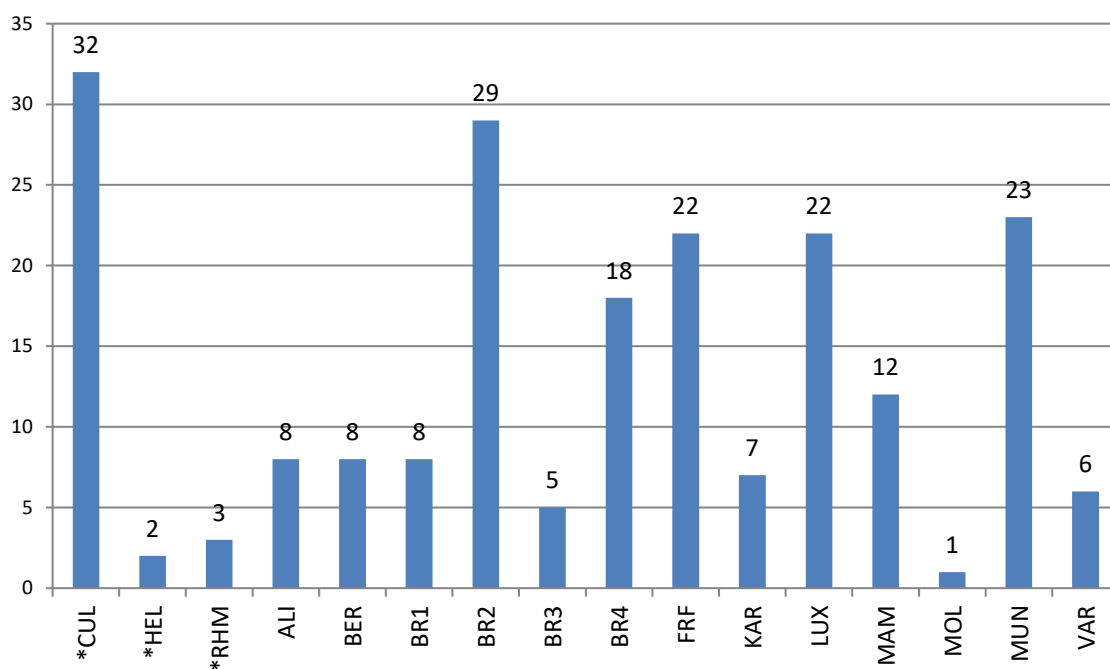


The graph shows that candidates with language orientation are also interested in mastering sciences in line with European key competences for lifelong learning.

4.7. 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)

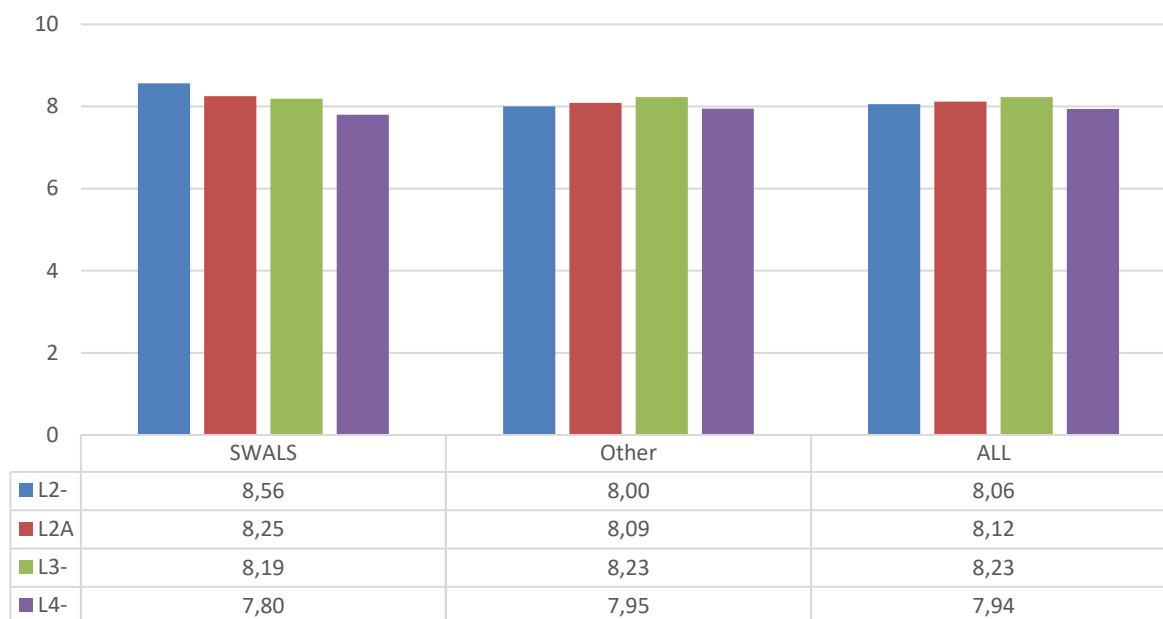


The average Final Mark achieved by SWALS candidates this year has been of 80.73.

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 |

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

5.1. Final Marks for Science Classes

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

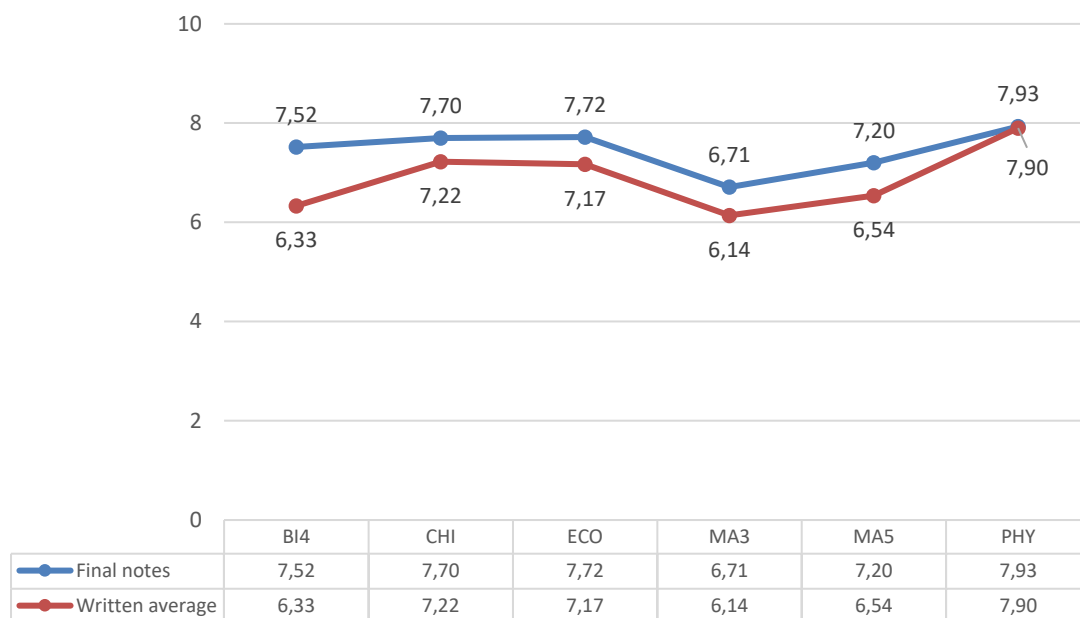
The evolution of the average Final Mark (Marks C + W + O) for the science classes shows substantial stability over the years.

| 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 |

5.2. 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.

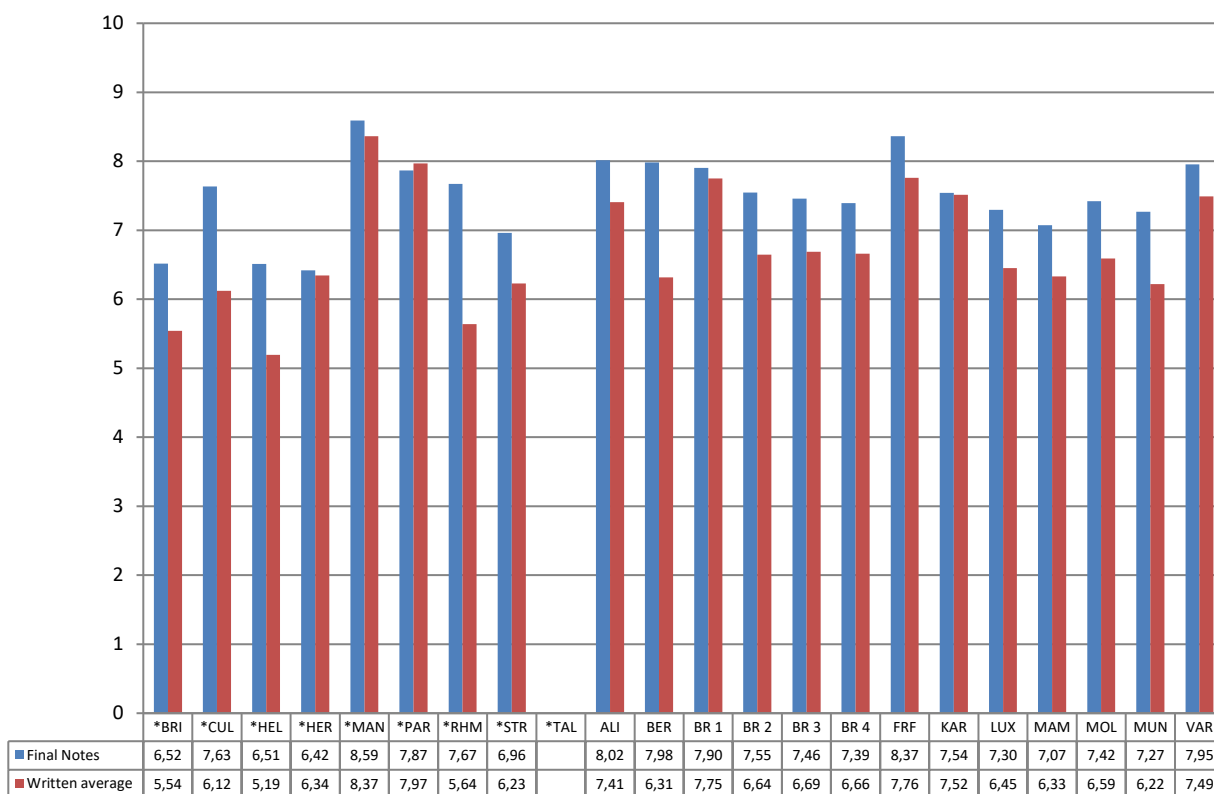
Final Marks / Written Marks of Scientific Courses



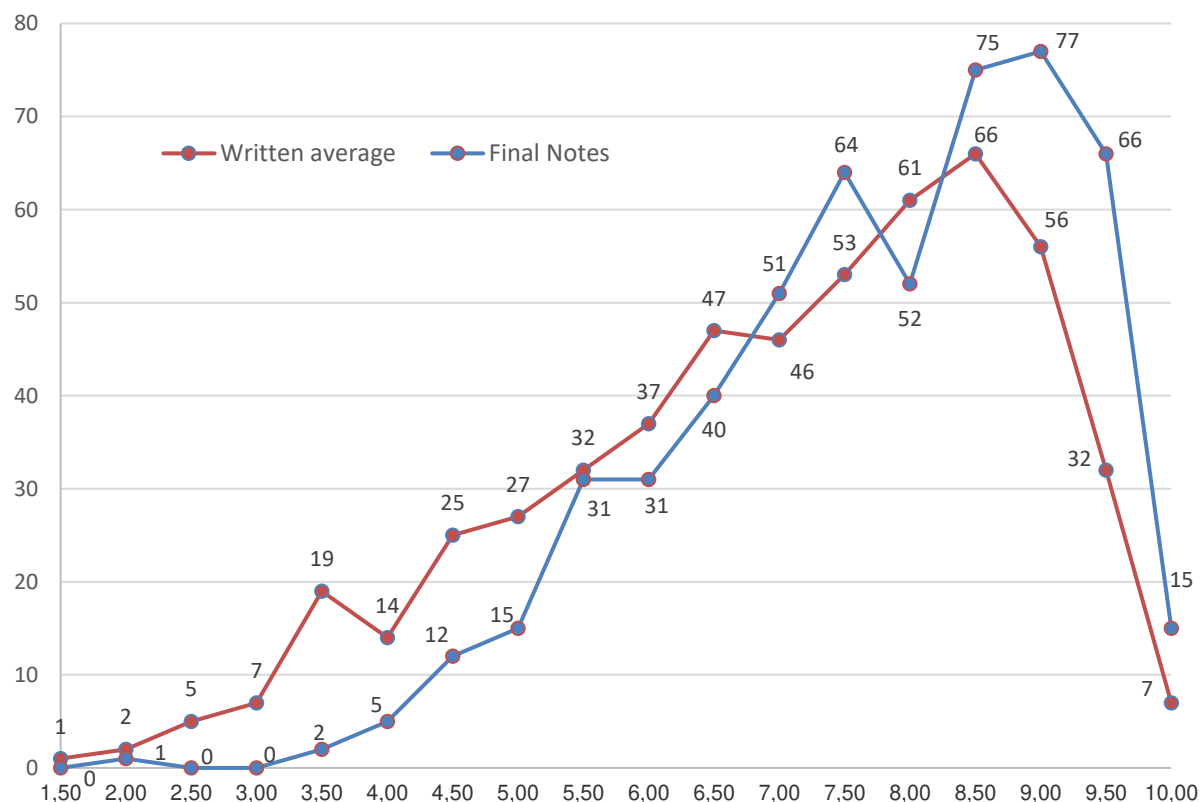
5.2.1. Biology Final Mark (gen average. 7.52)

Detailed results, per school:

Biology: Difference average. Final mark - Written mark



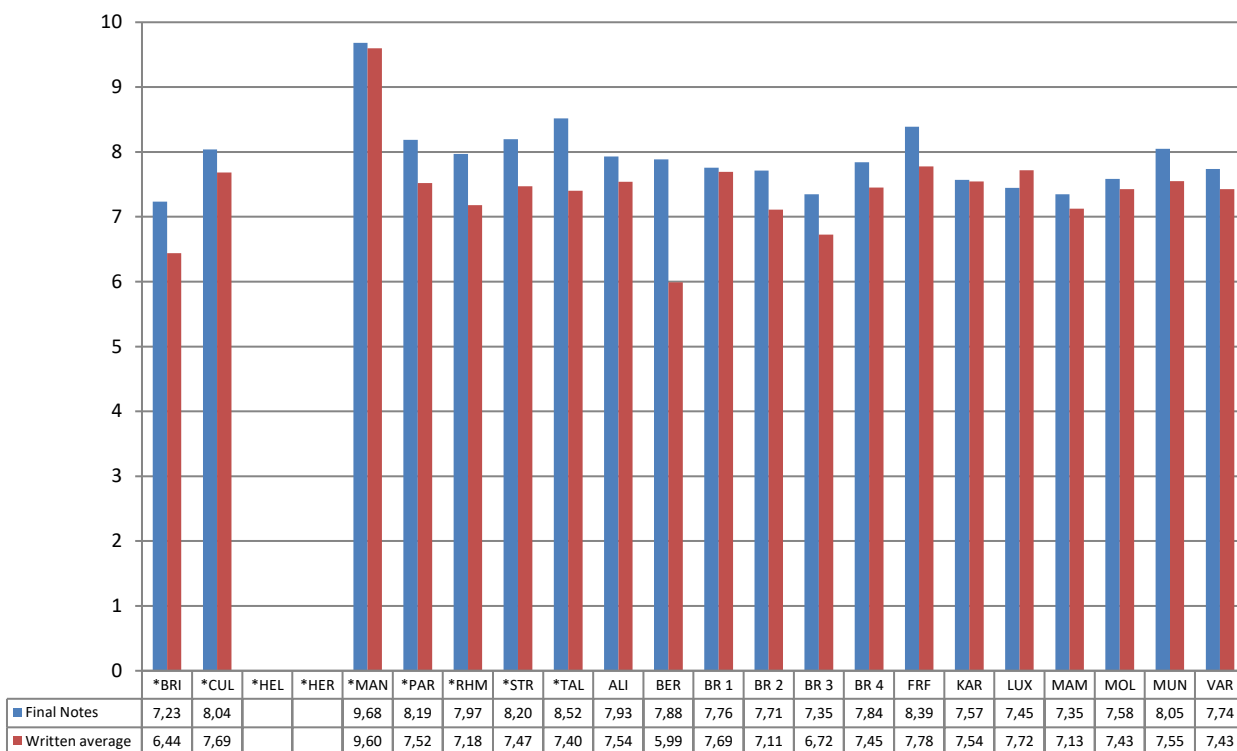
Comparison of Frequency of Marks between Biology Written Exam and Biology Final Mark



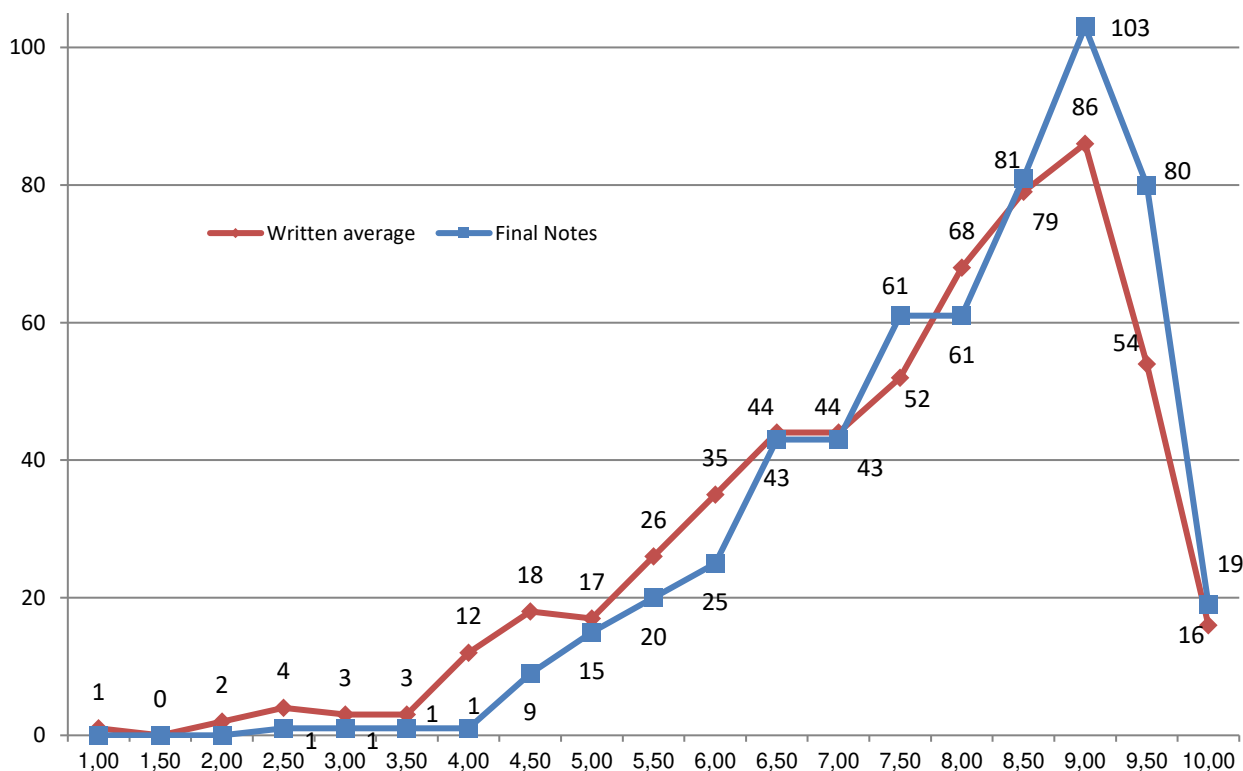
5.2.2. Chemistry Final Mark (gen. average. 7.70)

Detailed results, per school:

Chemistry: Difference average. Final mark - Written mark



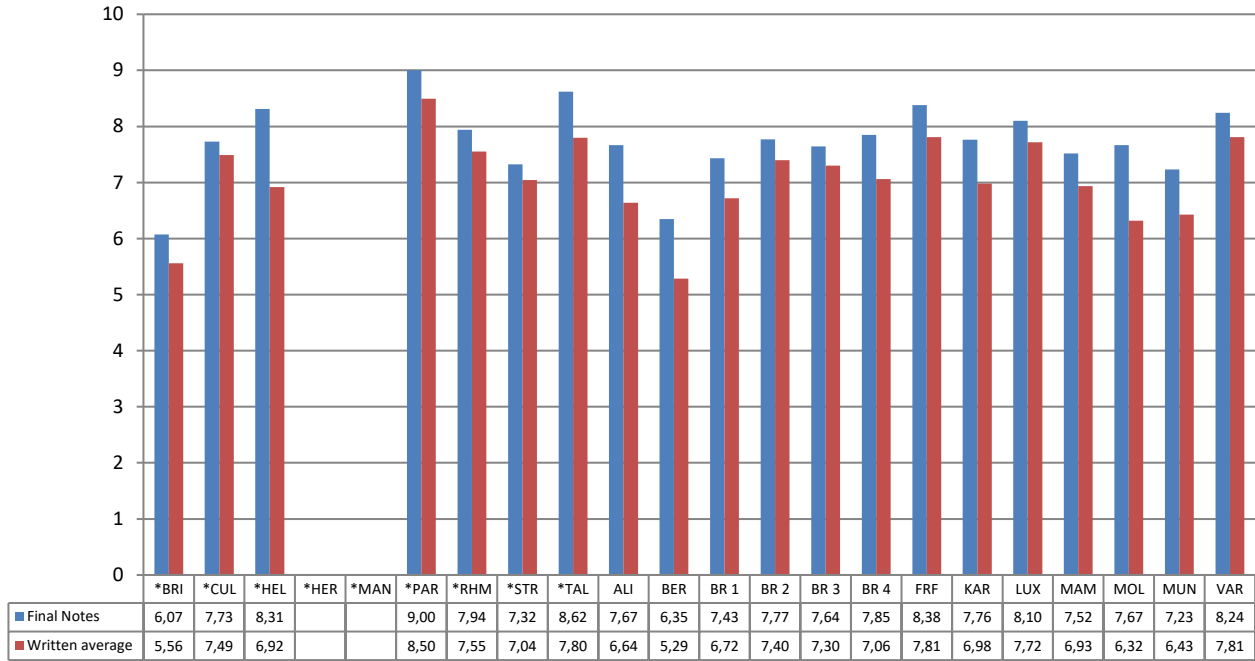
Comparison of Frequency of Marks between Chemistry Written Exam and Chemistry Final Mark



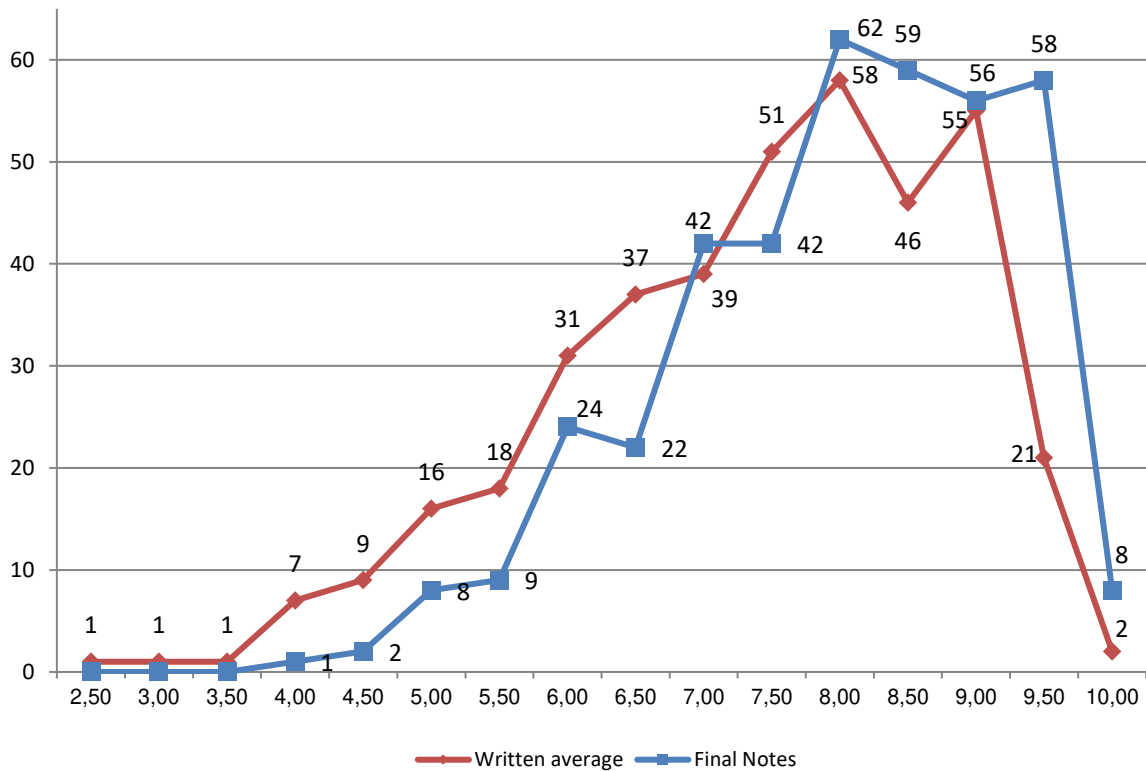
5.2.3. Economics Final Mark (gen. average 7.72)

Detailed results, per school:

Economics: Difference average. Final mark - Written mark



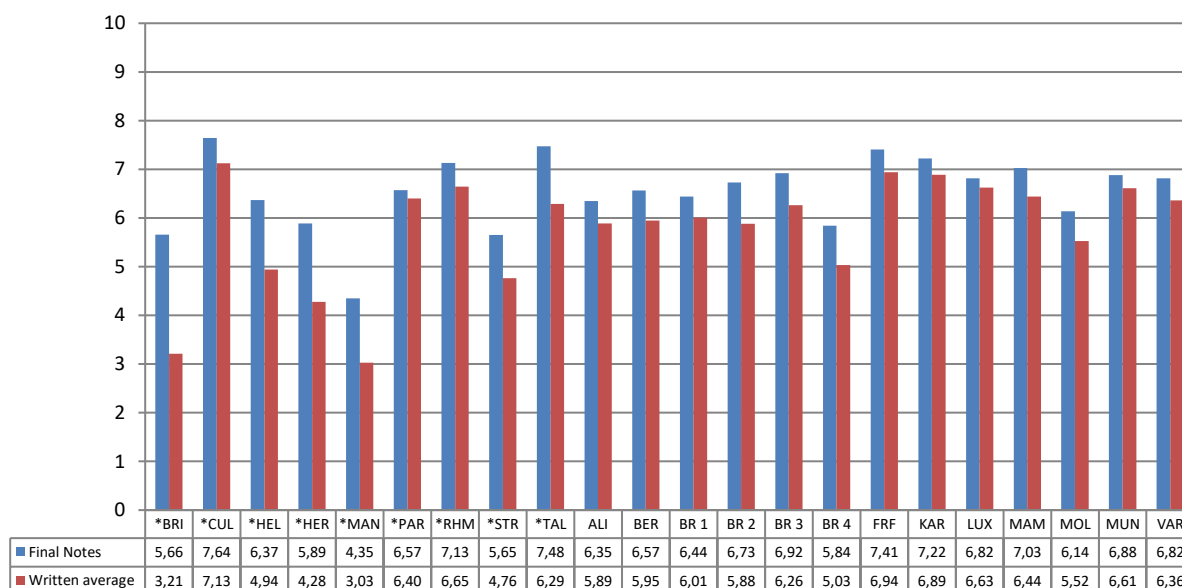
Comparison of Frequency of Marks between Economics Written Exam and Economics Final Mark



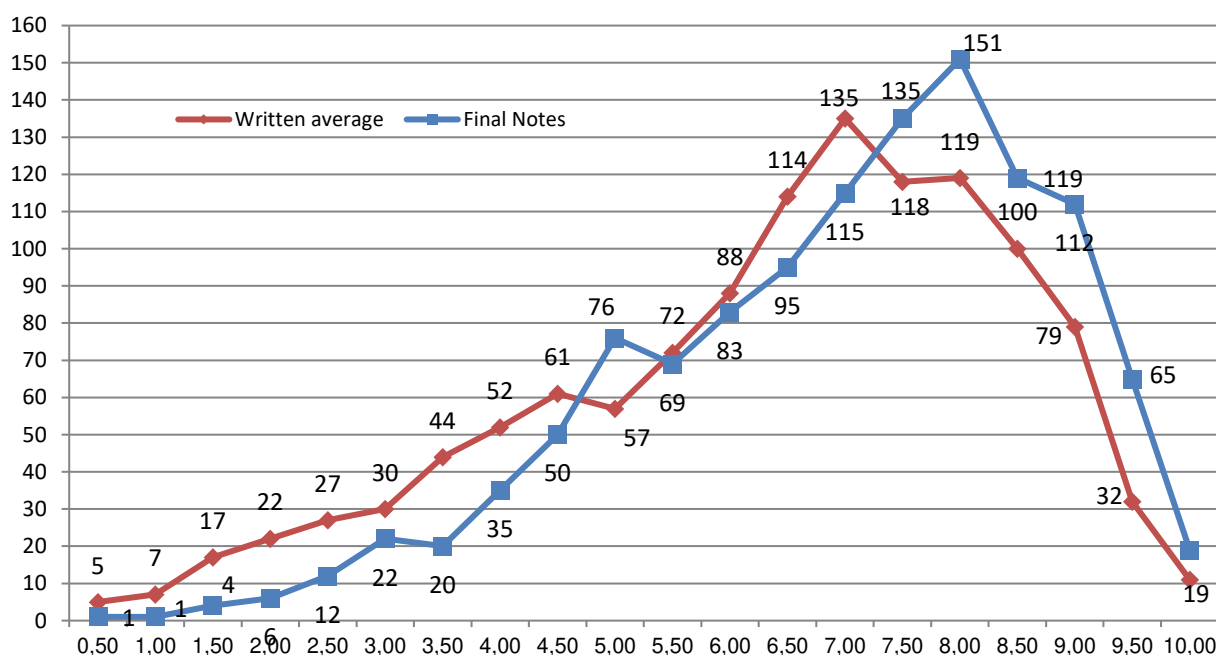
5.2.4. Maths 3P Final Mark (gen. average. 6.71)

Detailed results, per school:

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



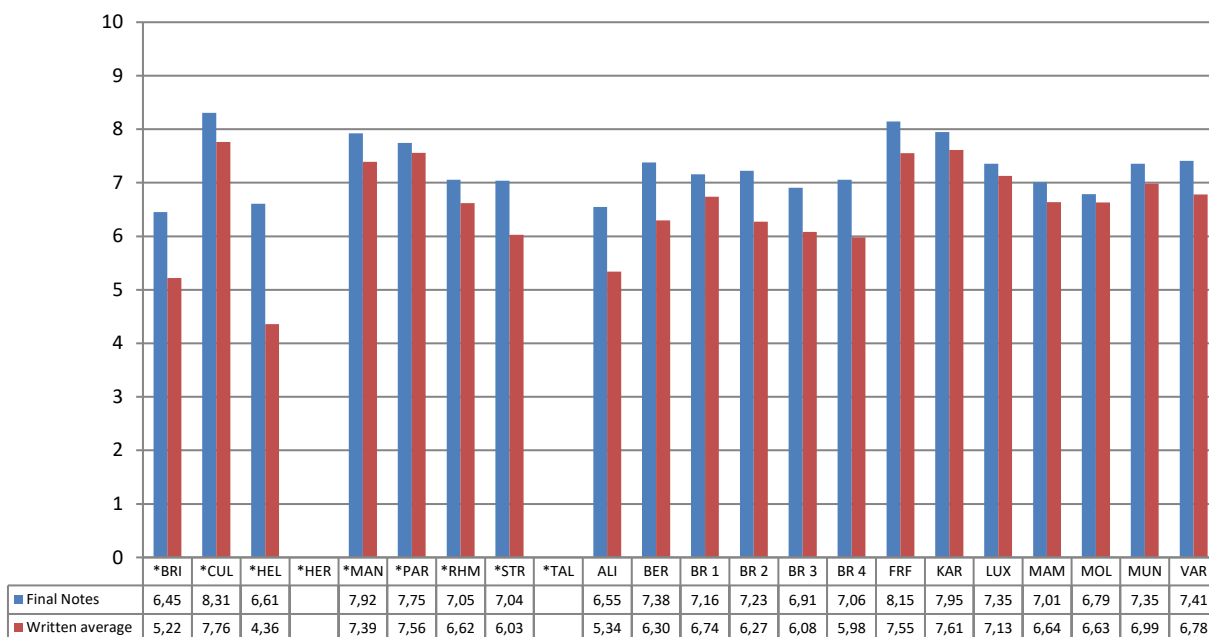
Comparison of Frequency of Marks between MA3 Written Exam and MA3 Final Mark



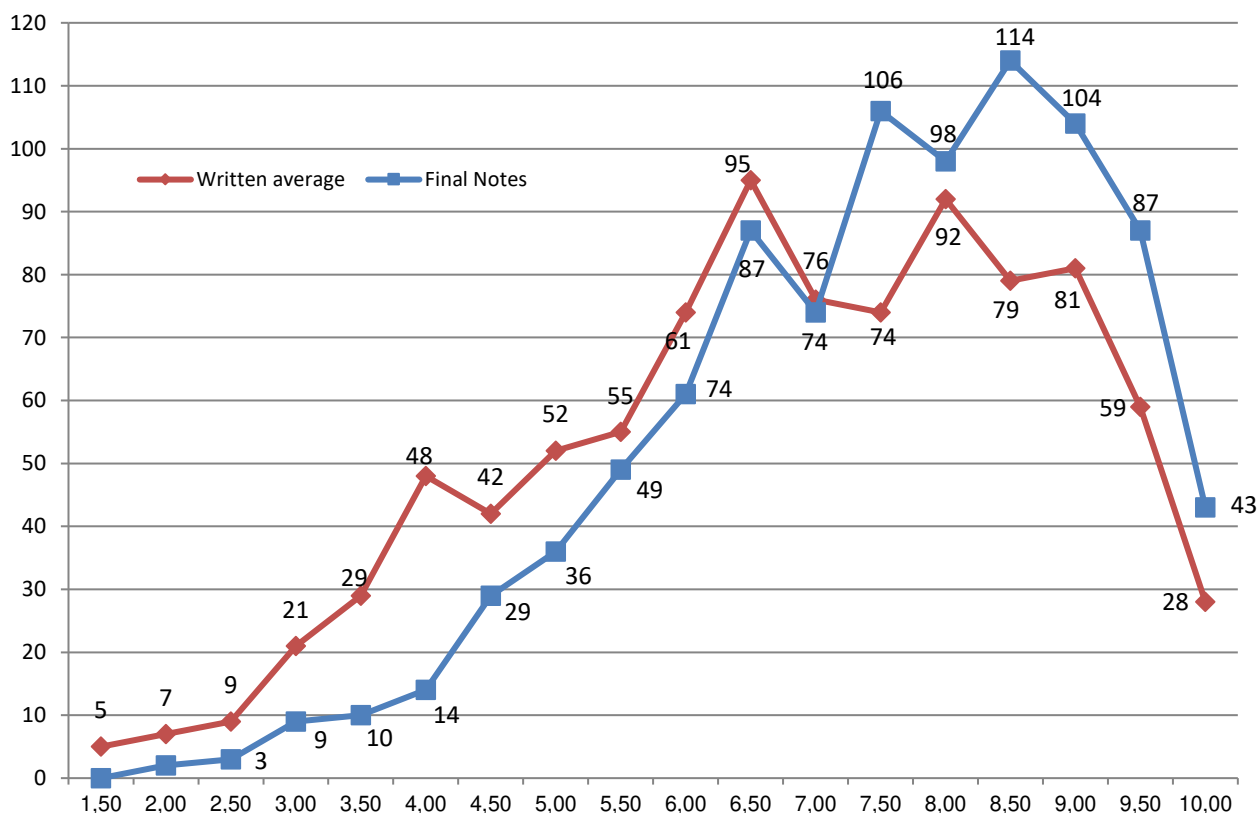
5.2.5. Maths 5P Final Mark (gen. average. 7.20)

Detailed results, per school:

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



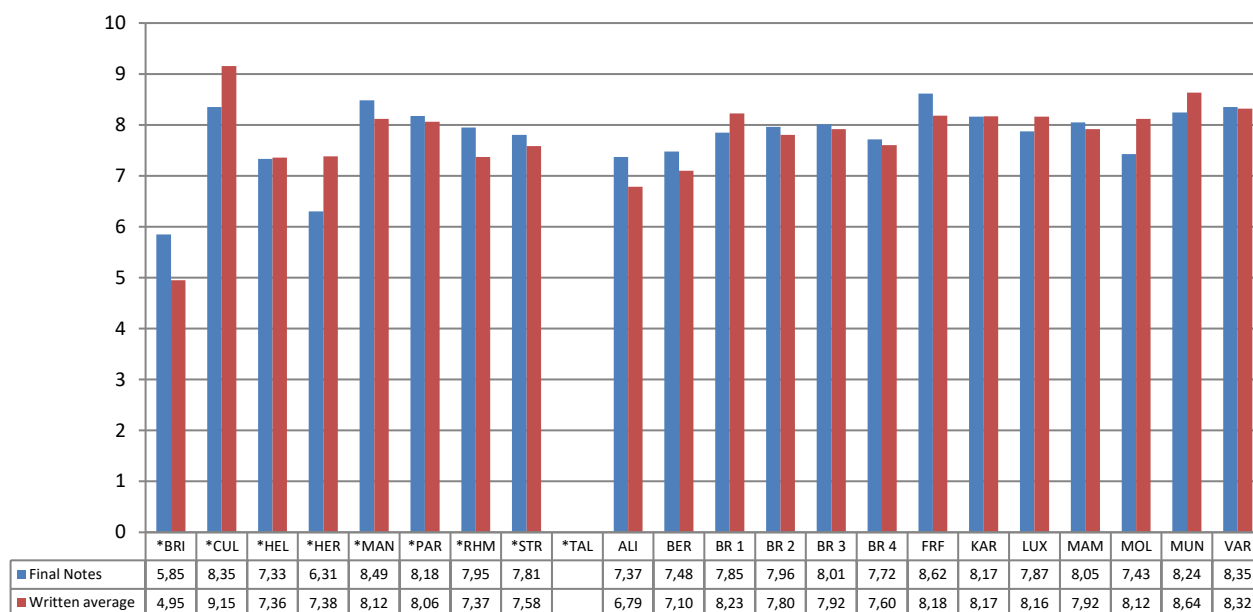
Comparison of Frequency of Marks between MA5 Written Exam and MA5 Final Mark



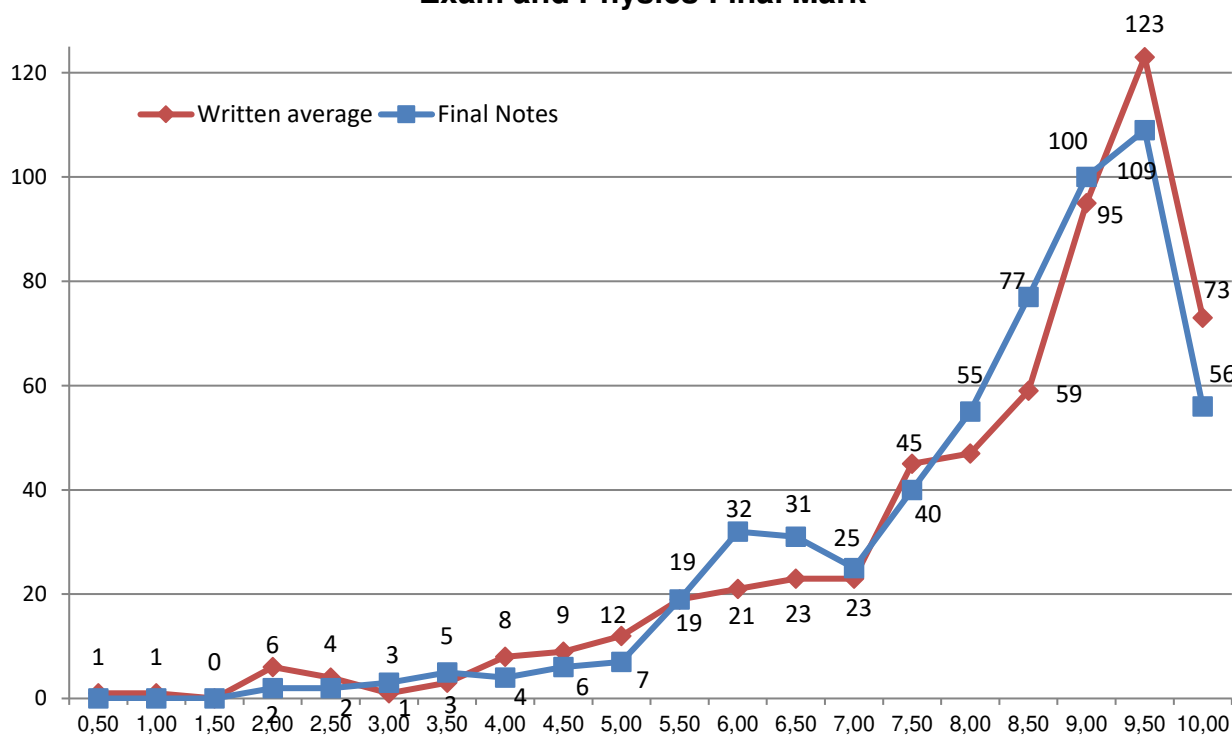
5.2.6. Physics Final Mark (gen. average. 7.93)

Detailed results, per school:

Physics: Difference average. Final mark - Written mark



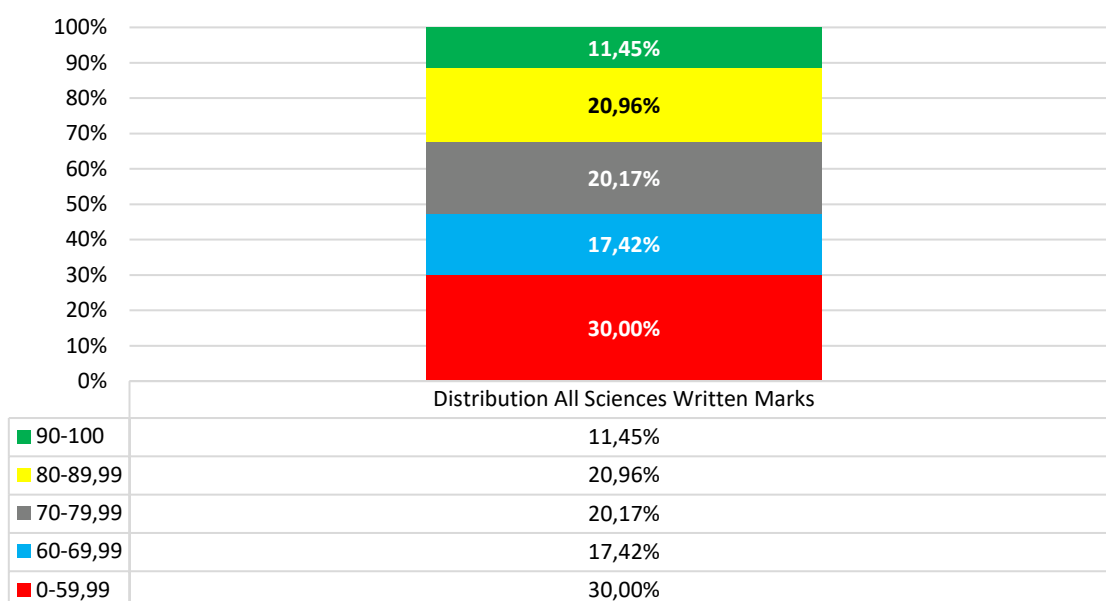
Comparison of Frequency of Marks between Physics Written Exam and Physics Final Mark



5.3. 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

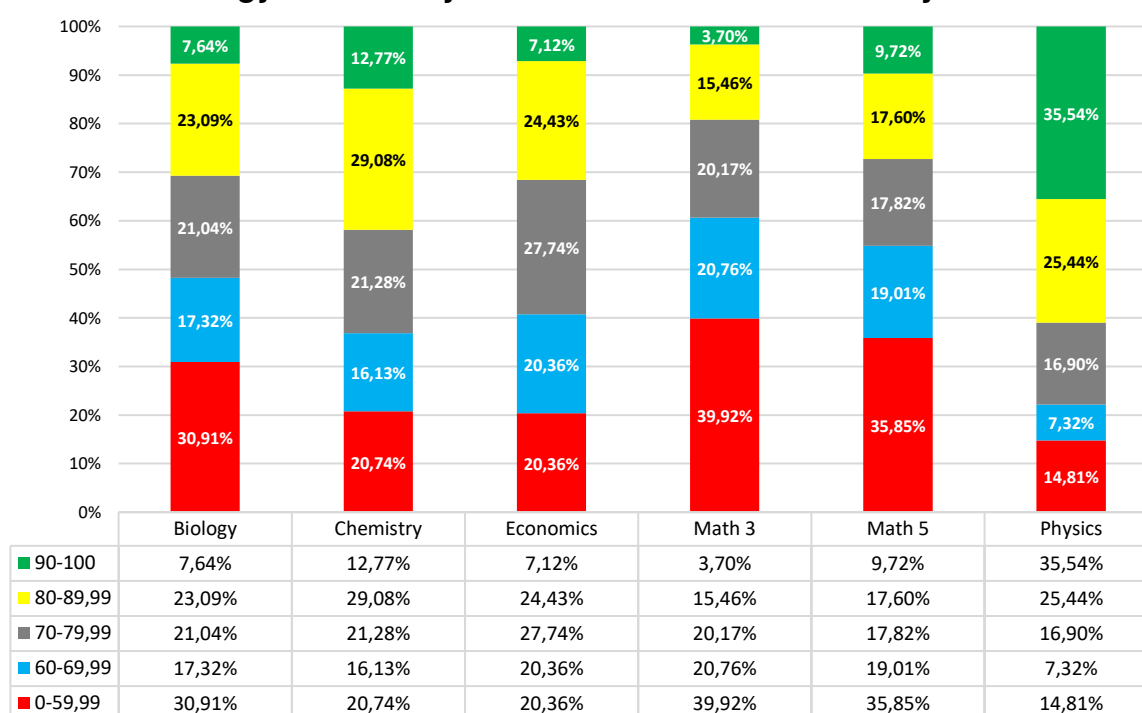


The next distribution table per subject reflects the detail among the sciences subjects distribution of written examination marks.

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.

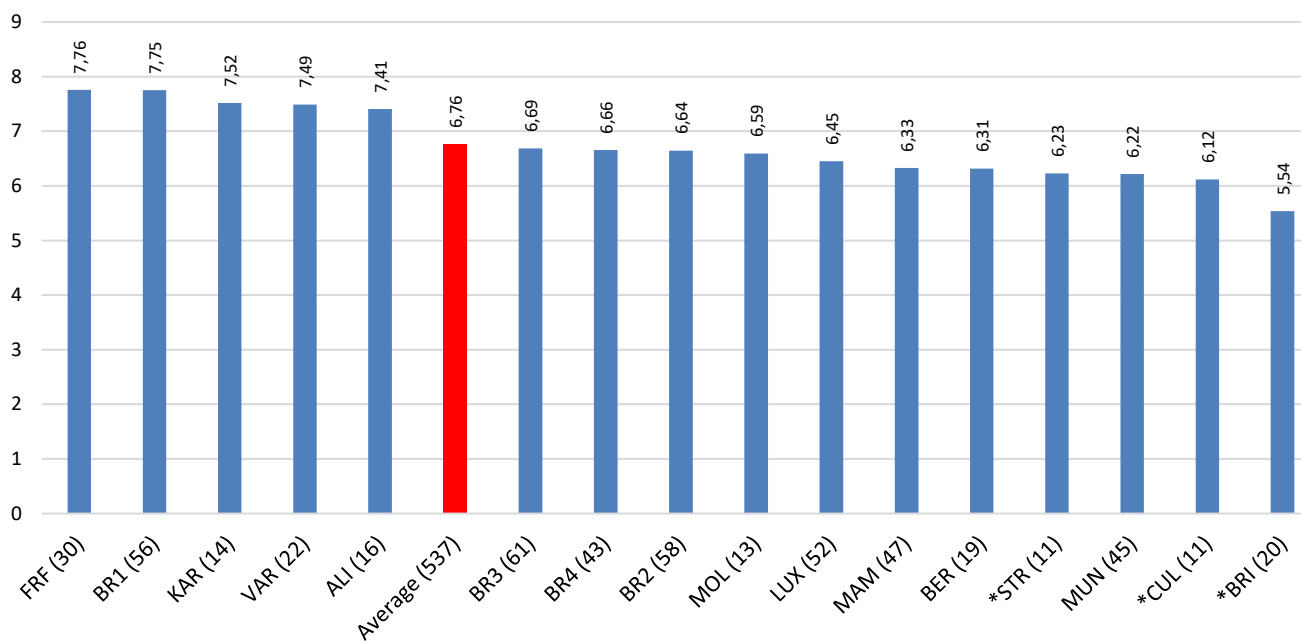
**Distribution written marks 2018
Biology - Chemistry - Economics - MA3 - MA5 - Physics**



5.3.1. Biology (Success rate: 69.09%)⁵

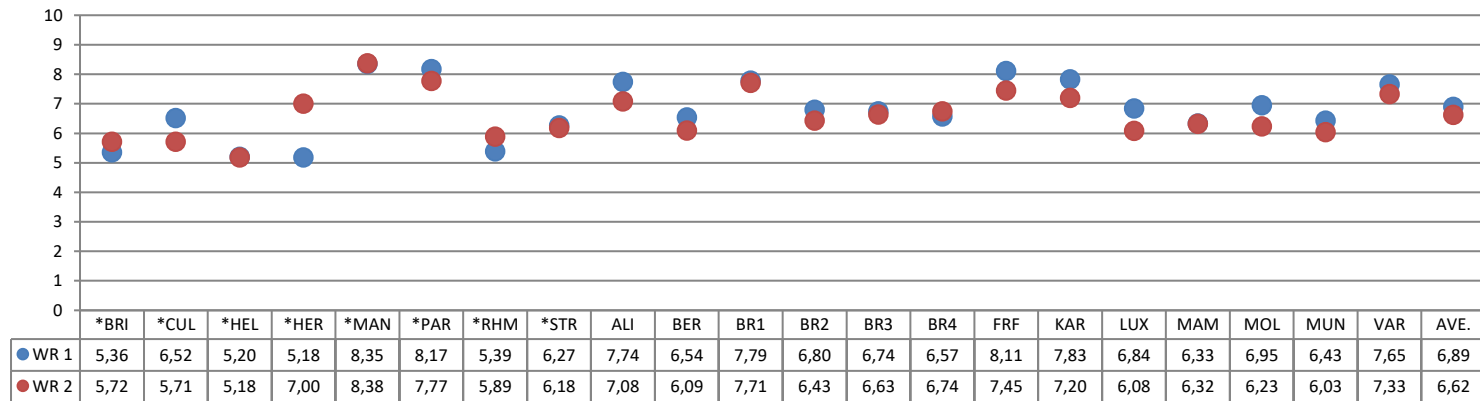
| School year | *BRI | *CUL | *HEL | *HER | *MAN | *PAR | *RHM | *STR | *TAL | ALI | BER | BR 1 | BR 2 | BR 3 | BR 4 | FRF | KAR | LUX | MAM | MOL | MUN | VAR | Aver. |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 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)

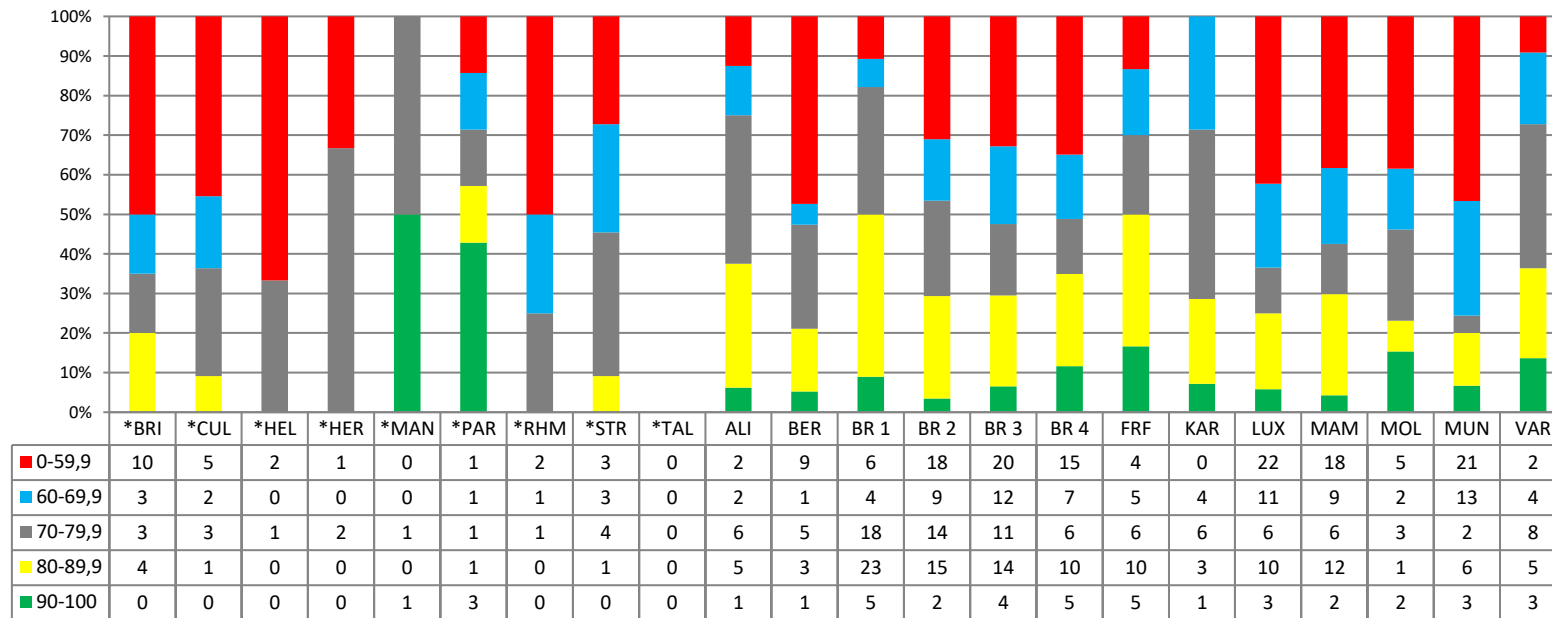


⁵ Schools with less than 10 candidates in Biology are not shown in the graph because do not provide statistically relevant information.

Biology: comparison W1 vs W2



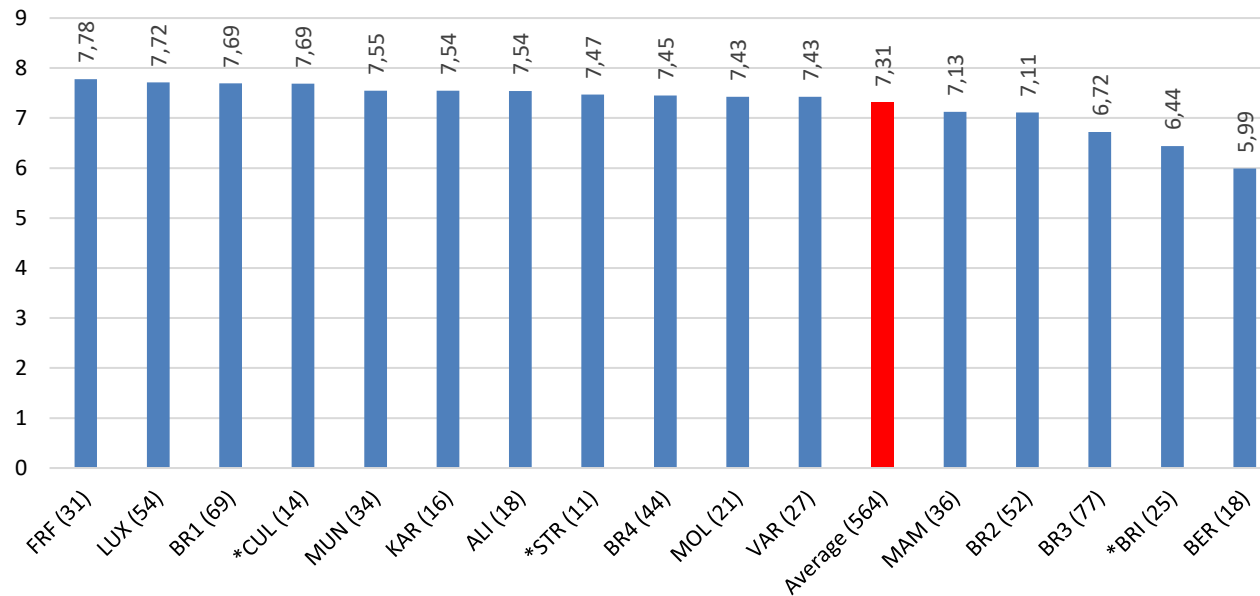
Biology: distribution of written marks



5.3.2. Chemistry (Success rate: 79.26%)⁶

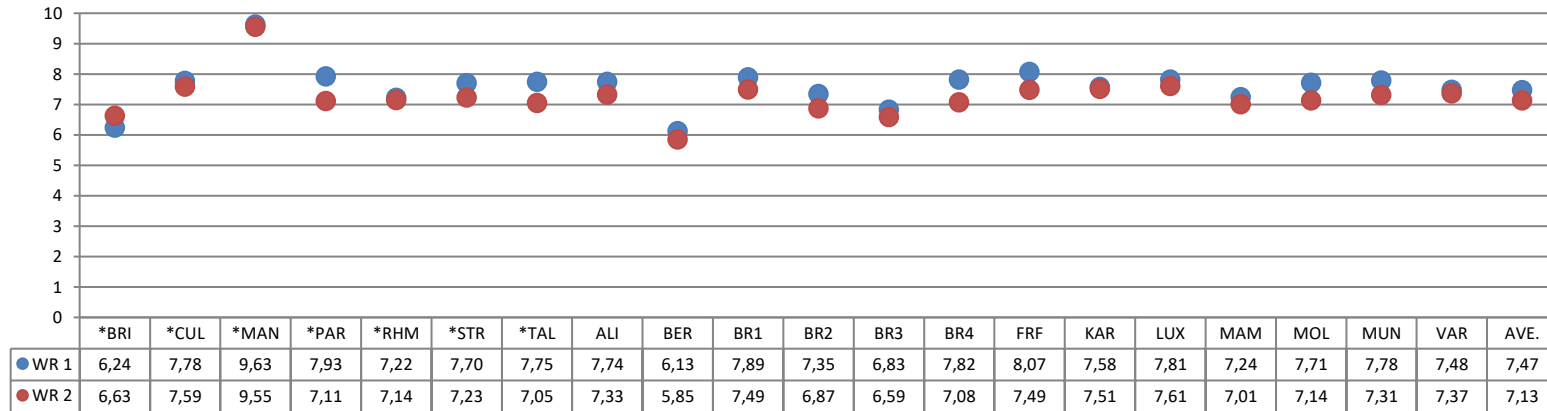
| School year | *BRI | *CUL | *HEL | *HER | *MAN | *PAR | *RHM | *STR | *TAL | ALI | BER | BR 1 | BR 2 | BR 3 | BR 4 | FRF | KAR | LUX | MAM | MOL | MUN | VAR | Aver. |
|------------------|-------------|-------------|------|------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 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)

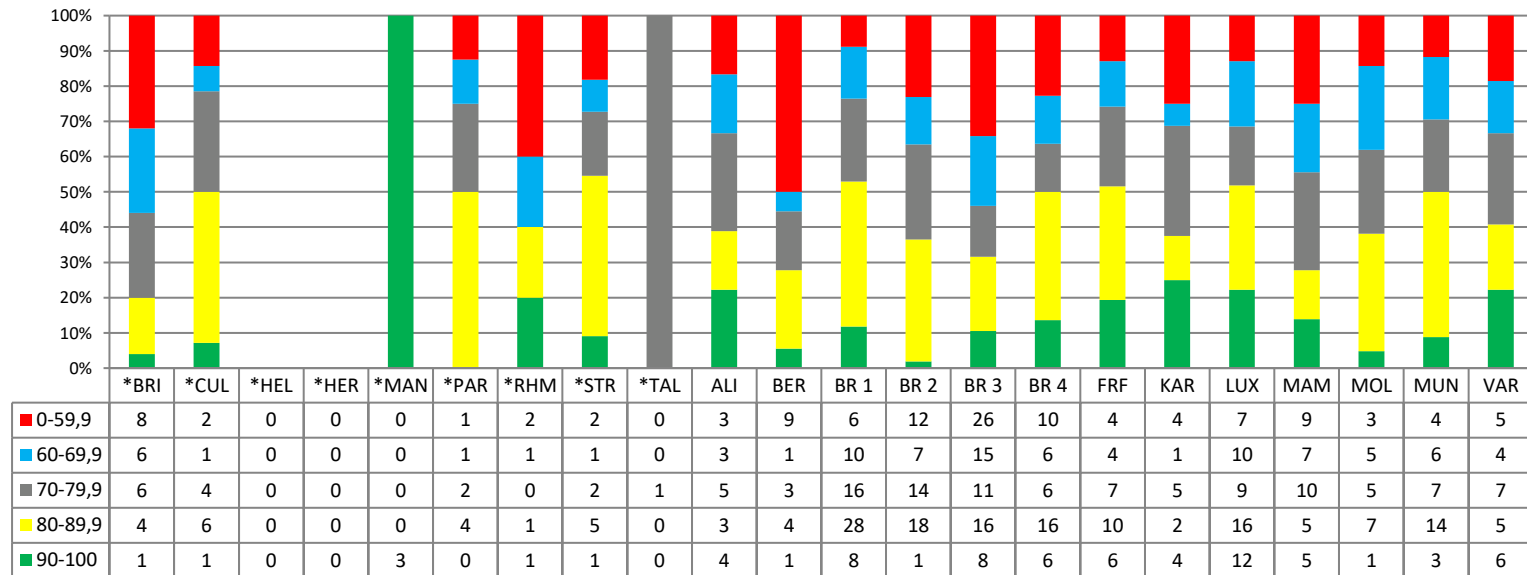


⁶ Schools with less than 10 candidates in Chemistry are not shown in the graph because do not provide statistically relevant information.

Chemistry: comparison W1 vs W2



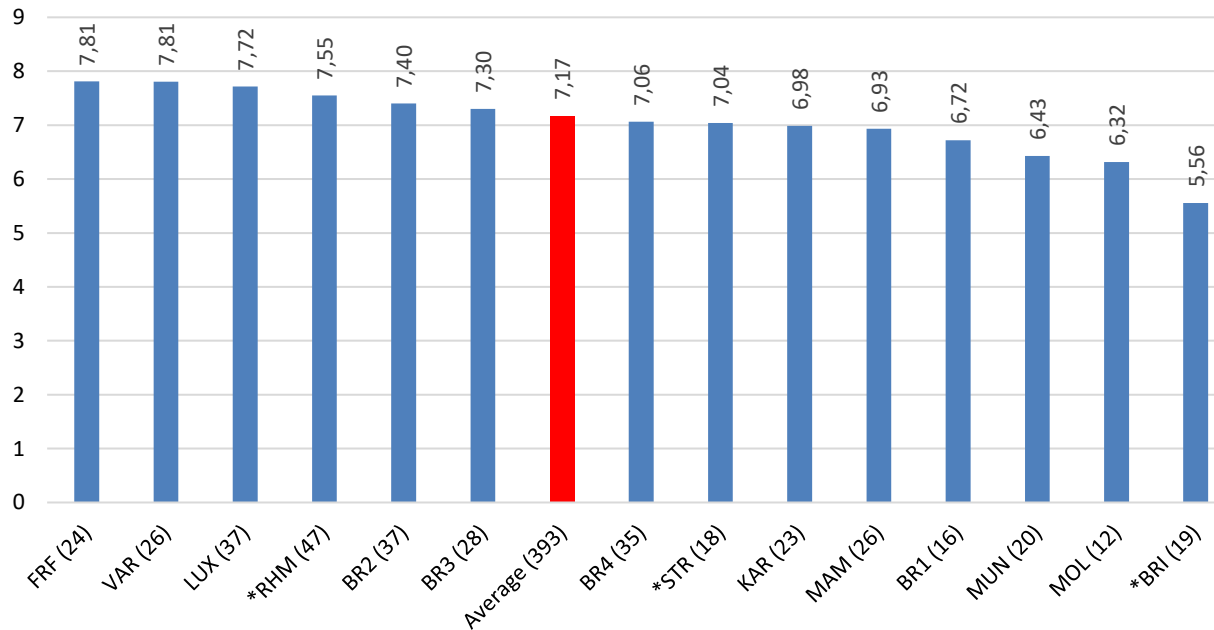
Chemistry: distribution of written marks



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

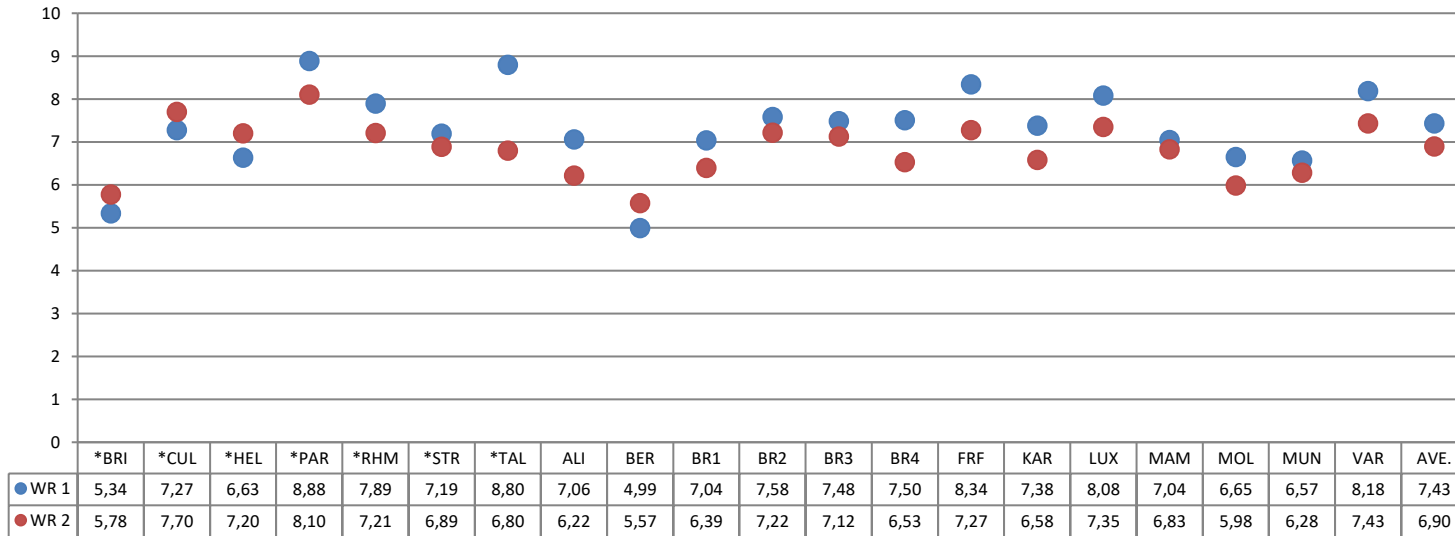
| School year | *BRI | *CUL | *HEL | *HER | *MAN | *PAR | *RHM | *STR | *TAL | ALI | BER | BR 1 | BR 2 | BR 3 | BR 4 | FRF | KAR | LUX | MAM | MOL | MUN | VAR | Aver. |
|------------------|-------------|-------------|-------------|------|------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 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)

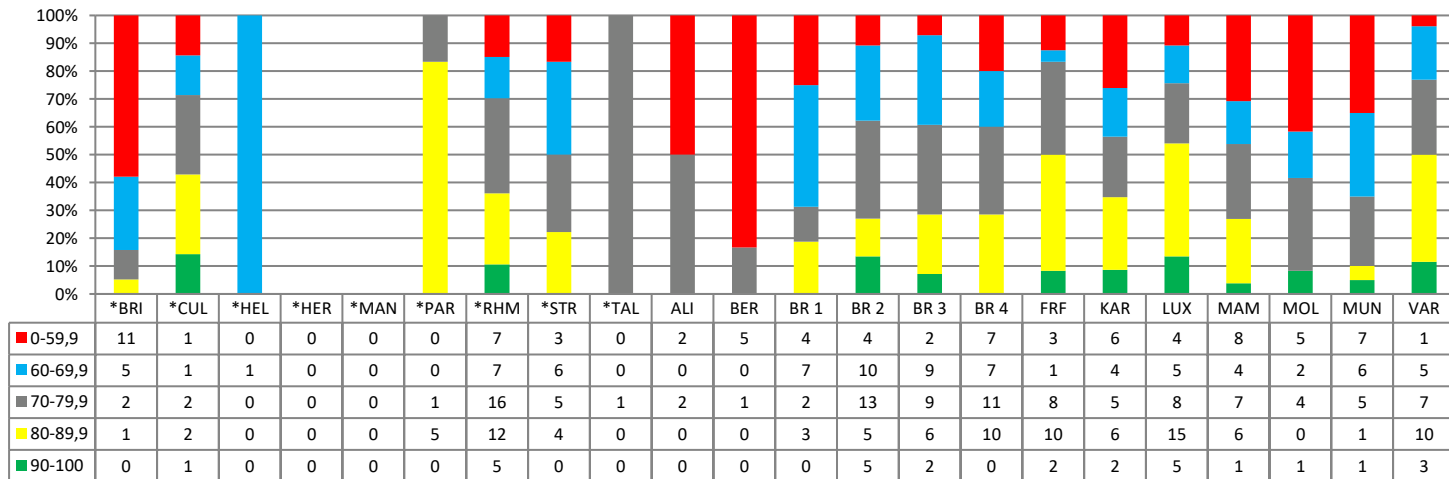


⁷ Schools with less than 10 candidates in Economics are not shown in the graph because do not provide statistically relevant information.

Economics: comparison W1 vs W2



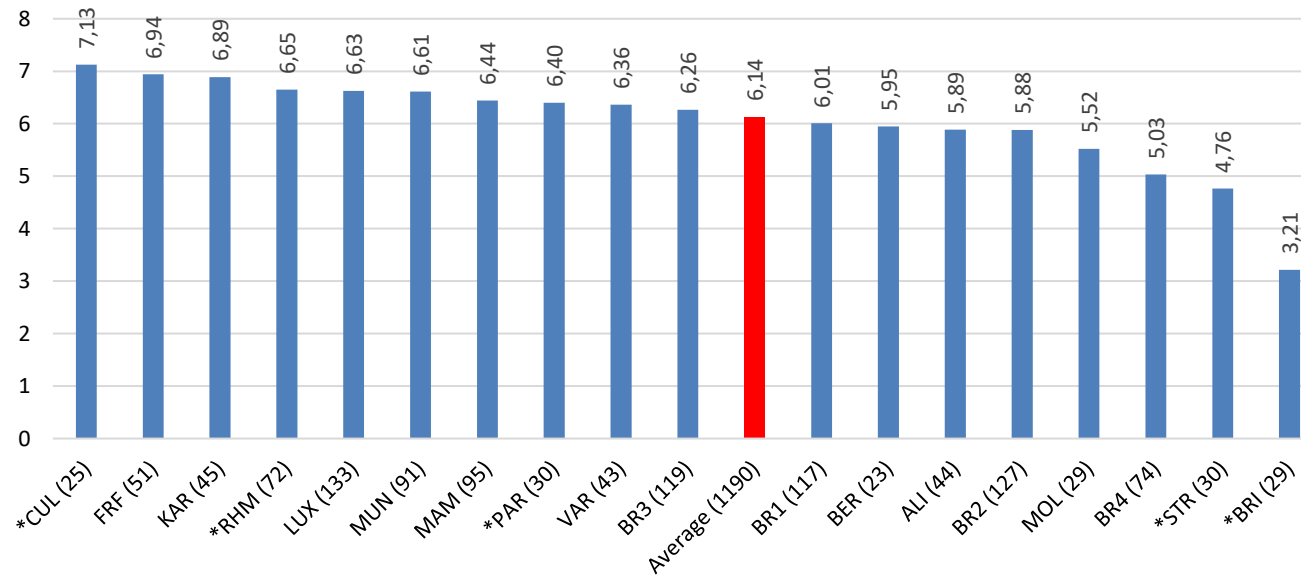
Economics: distribution of written marks



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

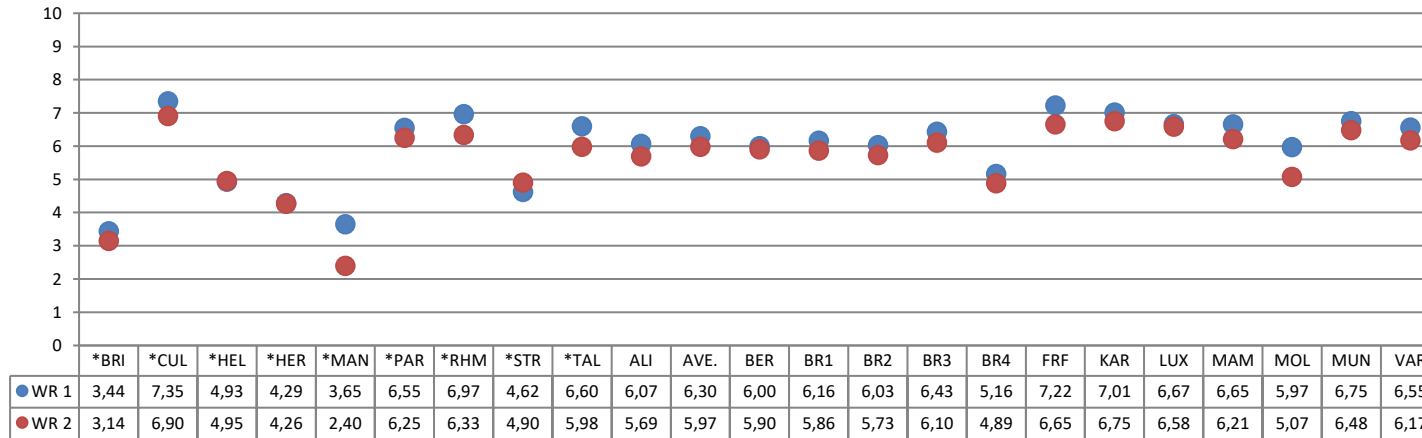
| School year | *BRI | *CUL | *HEL | *HER | *MAN | *PAR | *RHM | *STR | *TAL | ALI | BER | BR 1 | BR 2 | BR 3 | BR 4 | FRF | KAR | LUX | MAM | MOL | MUN | VAR | Aver. |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 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)

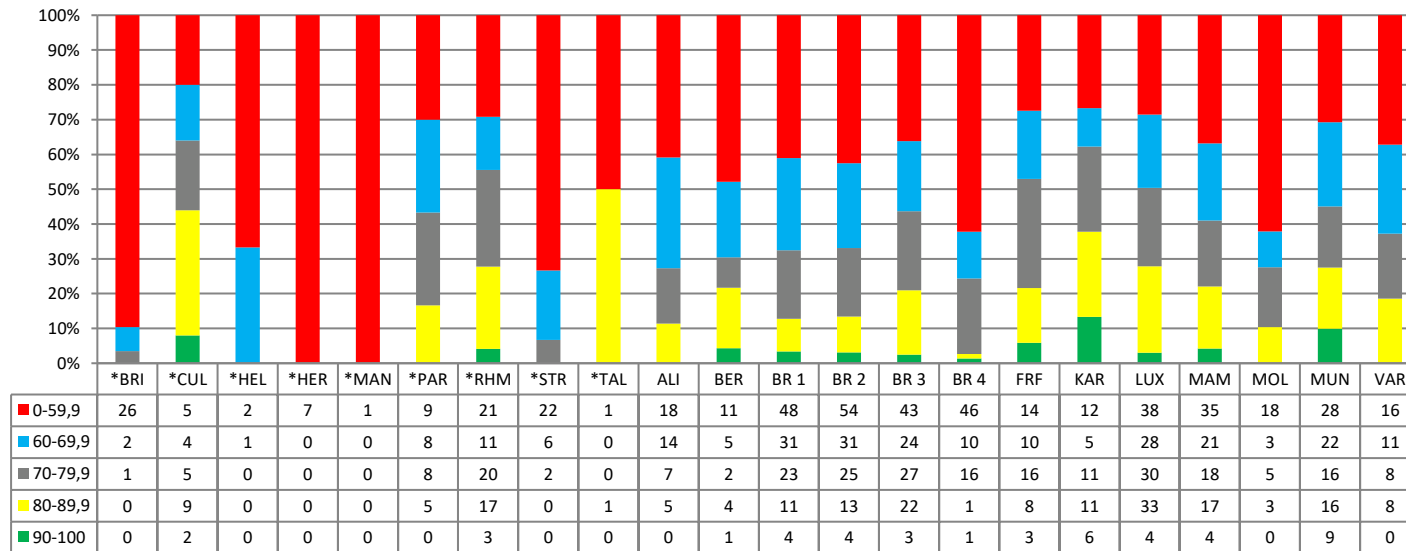


⁸ Schools with less than 10 candidates in Math 3p are not shown in the graph because do not provide statistically relevant information.

MATH 3P: comparison W1 vs W2



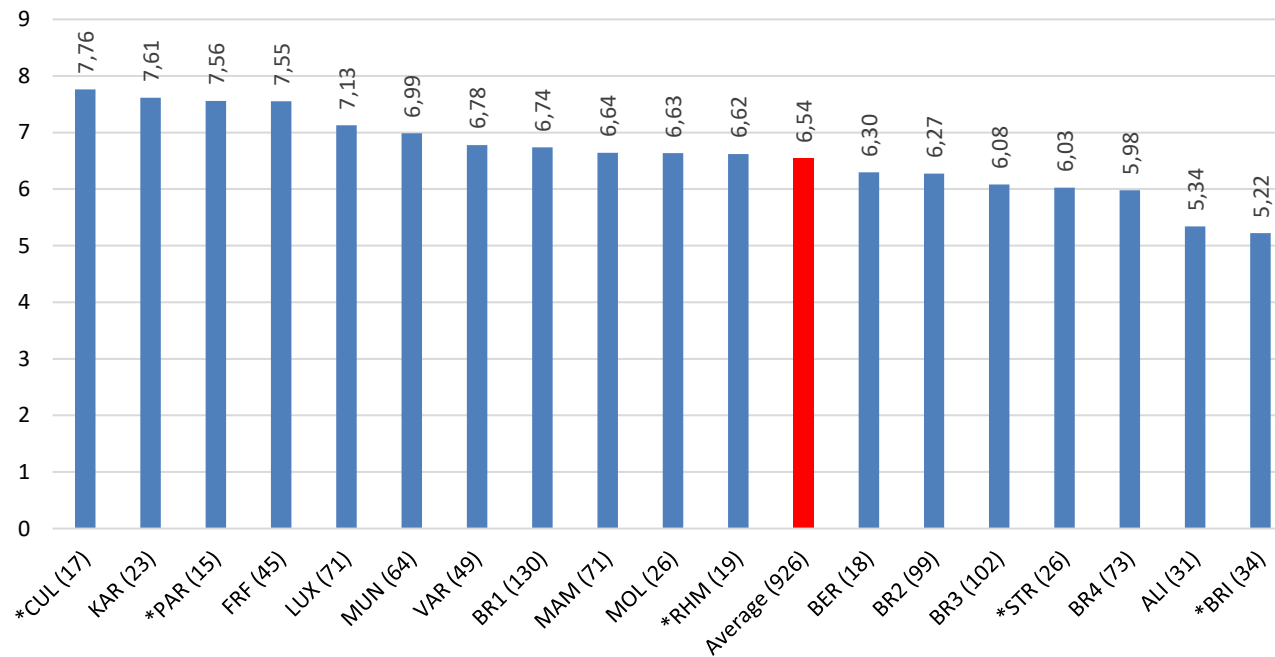
MATH 3P: distribution of written marks



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

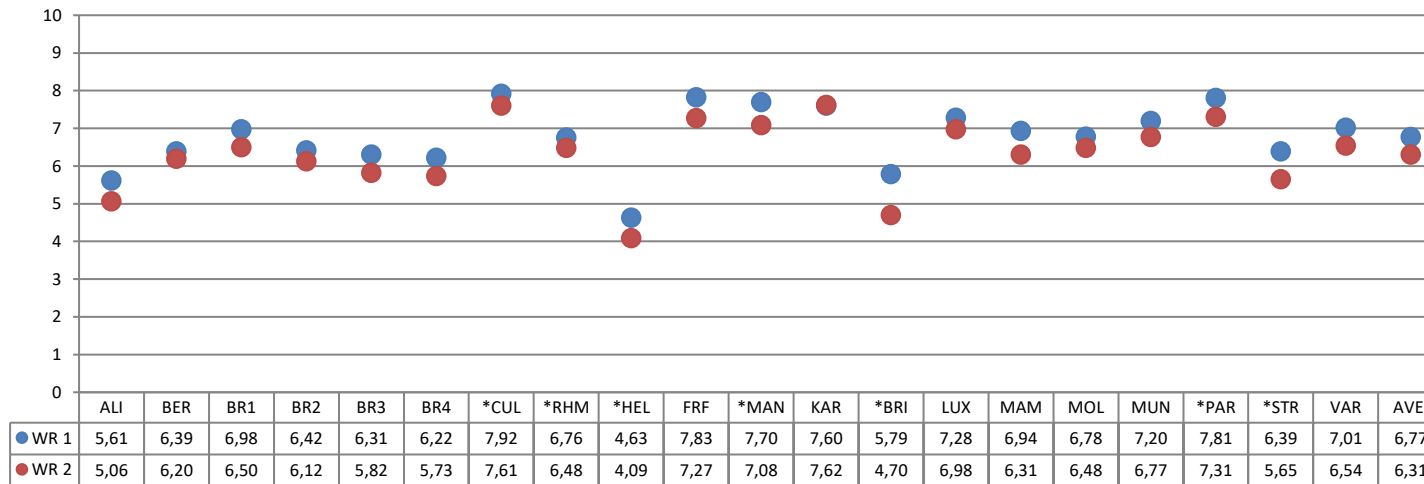
| School year | *BRI | *CUL | *HEL | *HER | *MAN | *PAR | *RHM | *STR | *TAL | ALI | BER | BR 1 | BR 2 | BR 3 | BR 4 | FRF | KAR | LUX | MAM | MOL | MUN | VAR | Aver. |
|------------------|-------------|-------------|-------------|------|-------------|-------------|-------------|-------------|------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 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)

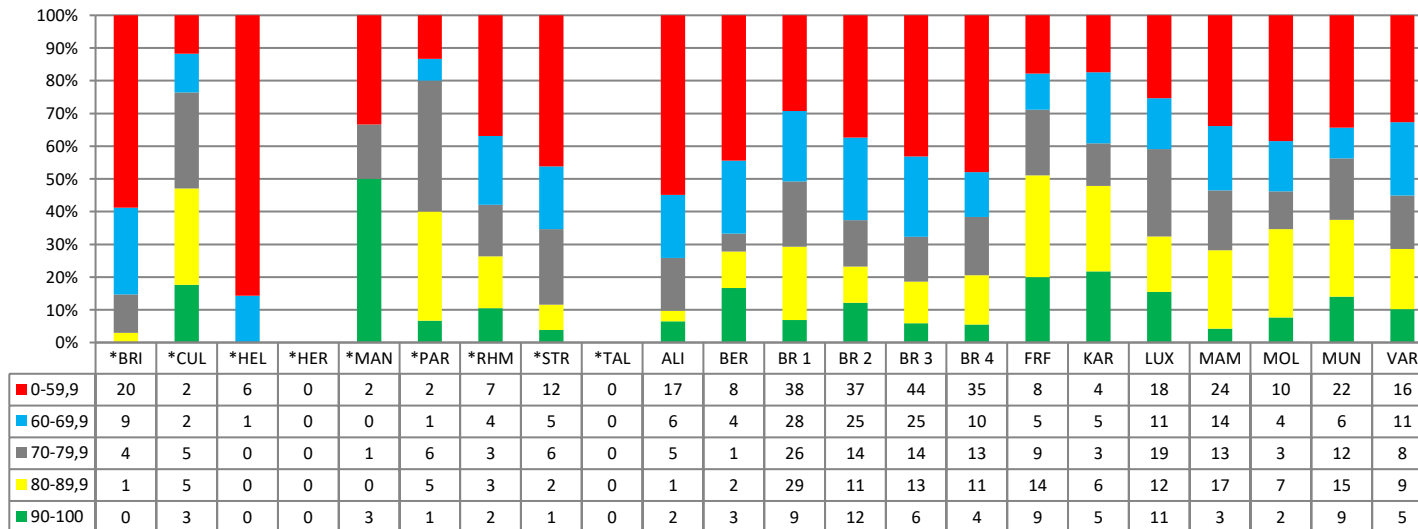


⁹ Schools with less than 10 candidates in Math 5p are not shown in the graph because do not provide statistically relevant information.

MATH 5P: comparison W1 vs W2



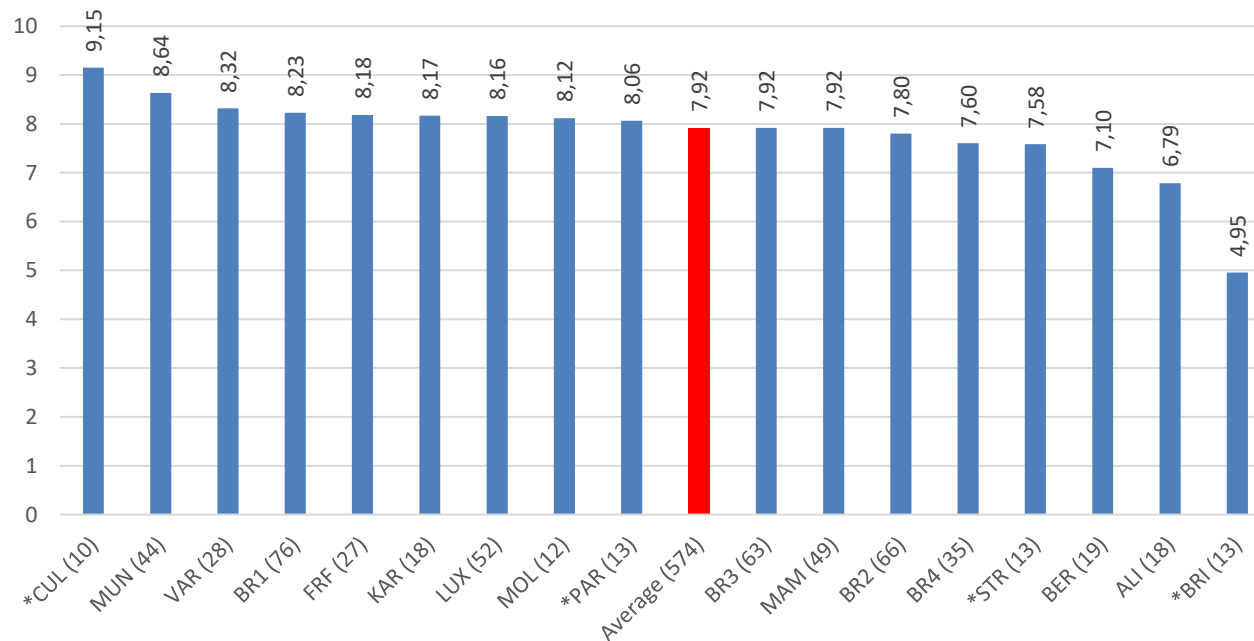
MATH 5P: distribution of written marks



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

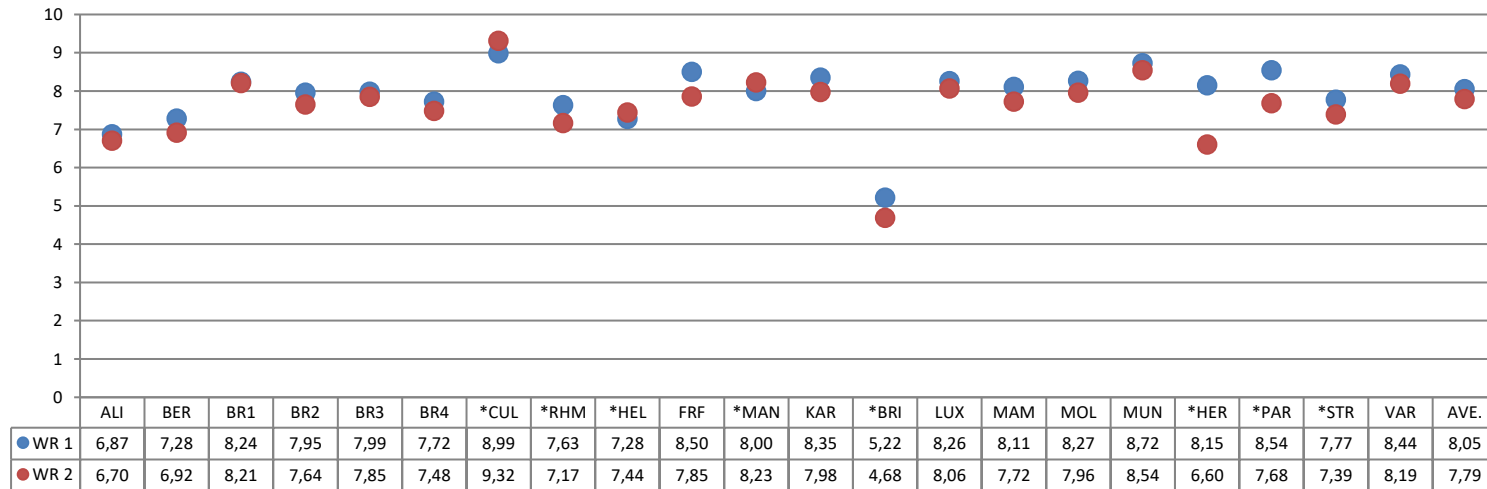
| School year | *BRI | *CUL | *HEL | *HER | *MAN | *PAR | *RHM | *STR | *TAL | ALI | BER | BR 1 | BR 2 | BR 3 | BR 4 | FRF | KAR | LUX | MAM | MOL | MUN | VAR | Aver. |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 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)

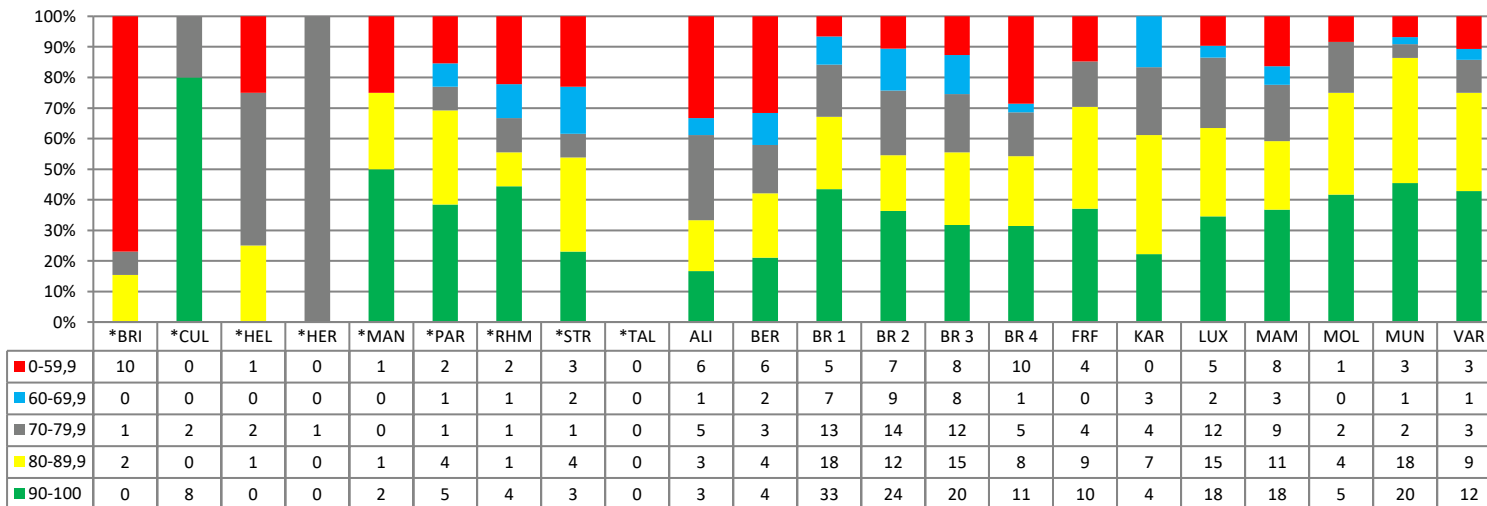


¹⁰ Schools with less than 10 candidates in Physics are not shown in the graph because do not provide statistically relevant information.

PHYSICS: comparison W1 vs W2



PHYSICS: distribution of written marks



5.4. 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

