



PRESS RELEASE

Results of 2023 HKDSE Predicted Level Study

The Hong Kong Examinations and Assessment Authority (HKEAA) had completed the Predicted Level Study of the 2023 Hong Kong Diploma of Secondary Education Examination (HKDSE), and an online briefing was held today (23 November) to give an overview of the results to representatives of participating schools.

The Study aimed at investigating the accuracy of predicting school candidates' HKDSE results based on their school internal assessment marks. Detailed school reports listing the prediction results of each subject will be provided to the participating schools. The reports may help teachers better understand students' performance on public examinations and improve the design of their school assessments.

A total of 391 participating schools, representing about 82% of the participating schools had submitted internal assessment marks of about 36,400 school candidates for the Study. Taking into account a particular school's past HKDSE results, predictions of the candidates' HKDSE levels were made based on the submitted marks, and were then compared with their actual levels in the corresponding Category A subjects in the 2023 HKDSE.

Among the four core subjects, the outcome of English Language is more accurate with the predicted levels of about 71% of the candidates matching their actual HKDSE levels. About 28% of the predicted levels are one level above or below the candidates' actual levels. In other words, 99% of the predictions lie within one-level deviation from the HKDSE actual levels.

For the other three core subjects, the percentages of exact matching with the actual HKDSE levels for Chinese Language, Mathematics Compulsory Part and Liberal Studies are about 52%, 60% and 50% respectively, while about 93% to 98% of the predicted levels lie within one-level deviation from the candidates' actual HKDSE levels. Overall, for the core subjects, the results show that school assessments can in general reflect students' performance on the HKDSE.

The predicted levels for the elective subjects are less accurate due to the smaller candidatures, fewer entries by schools in those subjects, the variations in schools' HKDSE results over the years, etc. About 77% to 98% of the candidates' predicted levels lie within one-level deviation from their HKDSE actual levels for the elective subjects. Please refer to the annex for more details.

The HKEAA will continue to conduct the Predicted Level Study in 2024 and explore mechanisms to improve the prediction accuracy, and provide more useful feedback to schools for improving the validity and reliability of their internal assessments.

–End–

Date: 23 November 2023

Annex: 2023 HKDSE Predicted Level Study Results Summary

| Subject | | Number of Participating Schools | Total Number of Candidates from Participating Schools | Predicted Level Same As Actual DSE Level (%) [A] | Predicted Level 1 Level Above/Below Actual DSE Level (%) [B] | Difference Between Predicted Level and Actual DSE Level Within 1 Level (%) [A+B] |
|--|---------------------------------|---------------------------------|---|---|---|---|
| Chinese Language | | 387 | 34,993 | 51.5 | 42.7 | 94.2 |
| English Language | | 389 | 36,170 | 70.8 | 28.4 | 99.1 |
| Mathematics Compulsory Part | | 388 | 35,854 | 60.0 | 37.7 | 97.7 |
| Liberal Studies | | 388 | 35,806 | 49.9 | 43.5 | 93.4 |
| Mathematics Extended Part | Algebra and Calculus | 284 | 3,539 | 39.8 | 46.4 | 86.2 |
| | Calculus and Statistics* | 173 | 1,784 | 31.7 | 46.4 | 78.1 |
| Biology | | 374 | 10,241 | 50.6 | 43.9 | 94.5 |
| Chemistry | | 371 | 9,314 | 51.4 | 42.9 | 94.4 |
| Physics | | 369 | 7,624 | 48.7 | 45.6 | 94.3 |
| Combined Science | Biology* | 8 | 105 | 54.3 | 34.3 | 88.6 |
| | Chemistry* | 13 | 154 | 51.3 | 37.0 | 88.3 |
| | Physics* | 7 | 76 | 30.3 | 52.6 | 82.9 |
| | Subject* | 13 | 169 | 58.4 | 33.7 | 92.2 |
| Integrated Science* | | 6 | 35 | 23.5 | 52.9 | 76.5 |
| Information and Communication Technology | | 354 | 4,382 | 47.8 | 44.0 | 91.8 |
| Visual Arts | | 313 | 2,719 | 62.7 | 34.8 | 97.5 |
| Chinese Literature* | | 105 | 971 | 35.0 | 46.6 | 81.5 |
| Literature in English* | | 21 | 166 | 34.6 | 48.8 | 83.3 |
| Health Management and Social Care* | | 47 | 704 | 48.5 | 42.7 | 91.2 |
| Design and Applied Technology* | | 37 | 384 | 54.6 | 41.2 | 95.8 |
| Technology and Living | Food Science and Technology* | 10 | 109 | 56.3 | 36.5 | 92.7 |
| | Fashion, Clothing and Textiles* | 3 | 16 | 21.4 | 57.1 | 78.6 |
| Business, Accounting and Financial Studies | Accounting | 297 | 5,361 | 50.0 | 43.7 | 93.7 |
| | Business Management | 132 | 2,169 | 48.7 | 46.3 | 95.0 |
| Economics | | 365 | 9,538 | 48.6 | 44.6 | 93.3 |
| Geography | | 353 | 6,049 | 43.2 | 46.6 | 89.7 |
| Chinese History | | 349 | 4,440 | 42.0 | 47.6 | 89.6 |
| History | | 268 | 3,568 | 42.7 | 45.4 | 88.0 |
| Tourism and Hospitality Studies | | 168 | 2,600 | 45.4 | 43.8 | 89.2 |
| Ethics and Religious Studies* | | 68 | 514 | 45.6 | 45.0 | 90.6 |
| Physical Education* | | 99 | 849 | 51.2 | 41.7 | 92.9 |
| Music* | | 58 | 117 | 35.4 | 45.8 | 81.3 |

*small candidature subject