



## PRESS RELEASE

### Results of 2022 HKDSE Predicted Level Study

The Hong Kong Examinations and Assessment Authority (HKEAA) had completed the Predicted Level Study of the 2022 Hong Kong Diploma of Secondary Education Examination (HKDSE), and a school briefing was held today (31 October) 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 417 participating schools, representing about 89% of the participating schools had submitted internal assessment marks of about 38,100 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 2022 HKDSE.

Among the four core subjects, the outcome of English Language is more accurate with the predicted levels of about 70% of the candidates matching their actual HKDSE levels. About 29% 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 50%, 56% and 50% respectively, while more than 40% of the predicted levels lie one level above or below 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 79% to 97% 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 2023 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: 31 October 2022

## Annex: 2022 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		416	36,833	<b>50.0</b>	43.6	<b>93.6</b>
English Language		416	37,973	<b>70.2</b>	28.8	<b>99.0</b>
Mathematics Compulsory Part		416	37,815	<b>56.2</b>	40.4	<b>96.6</b>
Liberal Studies		416	37,773	<b>49.7</b>	43.8	<b>93.5</b>
Mathematics Extended Part	Algebra and Calculus	294	3,716	<b>39.3</b>	46.6	<b>85.9</b>
	Calculus and Statistics *	183	1,905	<b>33.0</b>	46.1	<b>79.1</b>
Biology		397	10,676	<b>50.5</b>	43.7	<b>94.2</b>
Chemistry		389	9,640	<b>48.3</b>	45.5	<b>93.8</b>
Physics		389	8,070	<b>50.2</b>	44.2	<b>94.4</b>
Combined Science	Biology*	14	130	<b>38.0</b>	42.6	<b>80.6</b>
	Chemistry*	24	202	<b>48.0</b>	45.5	<b>93.5</b>
	Physics*	14	115	<b>33.0</b>	54.8	<b>87.8</b>
	Subject*	24	225	<b>50.2</b>	43.4	<b>93.6</b>
Integrated Science*		8	70	<b>38.2</b>	48.5	<b>86.7</b>
Information and Communication Technology		371	4,577	<b>45.5</b>	46.7	<b>92.2</b>
Visual Arts		330	2,867	<b>62.3</b>	35.1	<b>97.4</b>
Chinese Literature*		114	1,039	<b>36.9</b>	46.8	<b>83.7</b>
Literature in English*		30	224	<b>38.2</b>	47.9	<b>86.1</b>
Health Management and Social Care*		48	739	<b>44.2</b>	44.6	<b>88.8</b>
Design and Applied Technology*		37	317	<b>47.9</b>	44.9	<b>92.8</b>
Technology and Living	Food Science and Technology*	13	110	<b>43.1</b>	49.5	<b>92.6</b>
	Fashion, Clothing and Textiles*	5	31	<b>38.5</b>	42.3	<b>80.8</b>
Business, Accounting and Financial Studies	Accounting	321	5,478	<b>49.4</b>	43.8	<b>93.2</b>
	Business Management	134	2,205	<b>51.9</b>	40.4	<b>92.3</b>
Economics		387	9,692	<b>46.6</b>	44.6	<b>91.2</b>
Geography		379	6,759	<b>41.4</b>	46.3	<b>87.7</b>
Chinese History		364	4,908	<b>41.6</b>	46.4	<b>88.0</b>
History		280	3,929	<b>43.1</b>	45.5	<b>88.6</b>
Tourism and Hospitality Studies		189	2,985	<b>42.4</b>	45.8	<b>88.2</b>
Ethics and Religious Studies*		72	602	<b>45.1</b>	45.6	<b>90.7</b>
Physical Education*		108	906	<b>47.9</b>	42.5	<b>90.4</b>
Music*		58	132	<b>36.5</b>	44.3	<b>80.8</b>

\*small candidature subject