

The International Baccalaureate Diploma Programme (IBDP) at Haganässkolan test

The IBDP is a 2 year high school programme with an International Standard. It is an English speaking alternative to the Swedish national curriculum. Since Sweden's high school programme is 3 years, the first year is referred to as the "Pre-Diploma Programme or PDP".

Swedish High School is a 3 Year Programme

IB Year 1 > Prep year	Year 2 > DP 1	Year 3 > DP2 (exams)
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Applicants to PDP must have:

- Completed 9 years of schooling
- A final report card from Grade 9 or equivalent
- A translation of the grades with definition of a passing score
- Passed the core subjects: English, Math, Social Sciences, Natural Sciences
- Passed Swedish *or* a course in your mother tongue

Please note:

These admission requirements to the PreDP are different from the requirements for a Swedish National Program in that Swedish as a language is not a requirement or Swedish Grade 9 courses are not required. This is so that International students new to Sweden have a chance to continue their studies if they meet our admission requirements.

This means that, if you are a student who has met the criteria to enter the PreDP Programme here at Haganäs, but not met the criteria to enter another Swedish National Programme of NA or SA, *you must note:* It will not be possible for you to continue into Year 2 of a Swedish National Program even if you are passing your courses. This is because you will not have earlier earned the Swedish Grade 9 exit requirements needed for that course of study.

Conditions for moving up from PreDP to DP1:

You must show at the end of PreDP that you have the prerequisite knowledge to succeed in your IBDP studies. You should reach at least E (Swedish grade) in all subjects and for those subjects you wish to study at Higher Level (HL) you should have at least a grade of C.

Conditions for moving up from DP1 to DP2 and registration for exams:

Before summer break, you must have completed the following *Extended Essay* assignments: selecting a topic, formulated a strong research question, and have completed a timeline for successful completion of your essay by mid-November.

Also, you must reach a minimum total of 22 points on your DP1 Finals.

Finally, you must be keeping up with your school work and attendance as of October in DP 2 with **no zero scores** on any assignment. This includes that in August, upon your return to school, you must present an outline of your Extended Essay along with your research notes.

If you do not meet the above conditions, you and your parent/guardian are called to a meeting to discuss your overall study situation and decide whether to register you for DP 2 final exams.

Placement Tests PreDP

Admission tests are administered to guide our understanding of a students' basic knowledge and understanding of English and Math. If you are coming from abroad or from a Swedish Programme, you will be asked to sit for the tests.

ENGLISH TESTS PreDP

- 1) Written Essay: You will be given a topic and write about 400 words. It will be something where you are writing from your personal experience or own viewpoint/opinion.
- 2) Vocabulary test
- 3) Reading comprehension
- 4) Oral discussion with the DP Coordinator or additional assessments may be done: for example, a gap test, a vocabulary assessment, or a reading comprehension assessment.

MATH TEST PreDP

Here is a list of topics you can study.

1. Order of operations
2. Add, subtract, multiply, divide with fractions, mixed numbers, negative numbers, decimals
3. Order decimals or fractions from least to greatest
4. Convert between fractions and decimals.
5. Know percentages and how they work; for example, percentage of a total amt
6. A little work with number patterns (what comes next in the series?)
7. Compute with variables when given that a variable equals a certain number.
8. Calculate square root.
9. Solve for x.
10. Geometry: Determine angle measurement in a diagram where other angle measurements are identified
11. Solve some word problems, read graphs
12. Probability

How to apply to Pre-Diploma Programme

To apply if you live and attend school in Sweden:

- It is the same application procedure as for other programmes.
- Send your application through the admissions office (antagningen) in your local community.
- You apply for the "Pre-Diploma Programme" at Haganässkolan.

To apply if you live and school outside of Sweden:

- Contact either the Älmhult upper secondary school admissions office (antagningen) or the DP Coordinator at Haganässkolan at krista.baker@almhult.se

Applicants to DP 1 must have:

- completed grade 10, PDP, or MYP 5 education.
 - MYP 5 students must have 36 points, passed the Personal Project, and passed the core courses to be admitted to DP 1 directly at Haganässkolan.
- passed the core subjects: English, Math, Social Sciences, Natural Sciences
- passed admission tests in English and Mathematics.
- Completed an interview with the Head of School, DP Coordinator, DP teacher, or Guidance Counselor/SYV.

How to apply

- Send a letter of interest directly to the DP Coordinator: krista.baker@almhult.se

Placement Testing for DP 1

- **English:**

- 1) Written Essay: You will be given a topic and write about 400 words. It will be something where you are writing from your personal experience or own viewpoint/opinion.
 - 2) Vocabulary test
 - 3) Reading comprehension
 - 4) Oral discussion with the DP Coordinator or additional assessments may be done: for example, a gap test, a vocabulary assessment, or a reading comprehension assessment.
- **Math:** Students will need prior knowledge in the following topics, and will need to at least meet the minimum prior knowledge requirements needed to enter the DP course “Mathematical Studies”. Naturally, if the student wishes to take Mathematics SL, the prior knowledge needed will be more substantial. The math test will cover a variety of topics from the lists below. In order to be eligible to take Math (or Physics) at Higher Level, a more rigorous test will be used and the score must be a clear grade of “A” based on Swedish grade-setting criteria.

Prior Knowledge needed for Mathematical Studies:

Students must be familiar with SI (*Système International*) units of length, mass and time, and their derived units.

The reference given in the left-hand column is to the topic in the syllabus content; for example, **1.0** refers to the prior learning for Topic 1—Number and algebra.

Learning how to use the graphic display calculator (GDC) effectively will be an integral part of the course, not a separate topic. Time has been allowed in each topic of the syllabus to do this.

Content	Further guidance
<p>Basic use of the four operations of arithmetic, using integers, decimals and fractions, including order of operations.</p> <p>Prime numbers, factors and multiples.</p> <p>Simple applications of ratio, percentage and proportion.</p> <p>Basic manipulation of simple algebraic expressions, including factorization and expansion.</p> <p>Rearranging formulae.</p> <p>Evaluating expressions by substitution.</p> <p>Solving linear equations in one variable.</p> <p>Solving systems of linear equations in two variables.</p> <p>Evaluating exponential expressions with integer values.</p> <p>Use of inequalities $<$, \leq, $>$, \geq.</p> <p>Intervals on the real number line.</p> <p>Solving linear inequalities.</p> <p>Familiarity with commonly accepted world currencies.</p>	<p><i>Examples:</i> $2(3 + 4 \times 7) = 62$; $2 \times 3 + 4 \times 7 = 34$.</p> <p><i>Examples:</i> $ab + ac = a(b + c)$; $(x + 1)(x + 2) = x^2 + 3x + 2$.</p> <p><i>Example:</i> $A = \frac{1}{2}bh \Rightarrow h = \frac{2A}{b}$.</p> <p><i>Example:</i> If $x = -3$ then $x^2 - 2x + 3 = (-3)^2 - 2(-3) + 3 = 18$.</p> <p><i>Examples:</i> $3(x + 6) - 4(x - 1) = 0$; $\frac{6x}{5} + 4 = 7$.</p> <p><i>Example:</i> $3x + 4y = 13$, $\frac{1}{3}x - 2y = -1$.</p> <p><i>Examples:</i> $a^b, b \in \mathbb{Z}$; $2^{-4} = \frac{1}{16}$; $(-2)^4 = 16$.</p> <p><i>Example:</i> $2 < x \leq 5, x \in \mathbb{R}$.</p> <p><i>Example:</i> $2x + 5 < 7 - x$.</p> <p><i>Examples:</i> Swiss franc (CHF); United States dollar (USD); British pound sterling (GBP); euro (EUR); Japanese yen (JPY); Australian dollar (AUD).</p>

Content	Further guidance
<p>The collection of data and its representation in bar charts, pie charts and pictograms.</p> <p>Basic geometric concepts: point, line, plane, angle.</p> <p>Simple two-dimensional shapes and their properties, including perimeters and areas of circles, triangles, quadrilaterals and compound shapes.</p> <p>SI units for length and area.</p> <p>Pythagoras' theorem.</p> <p>Coordinates in two dimensions.</p> <p>Midpoints, distance between points.</p>	

Prior knowledge needed for Mathematics SL

Topic	Content
Number	<p>Routine use of addition, subtraction, multiplication and division, using integers, decimals and fractions, including order of operations.</p> <p>Simple positive exponents.</p> <p>Simplification of expressions involving roots (surds or radicals).</p> <p>Prime numbers and factors, including greatest common divisors and least common multiples.</p> <p>Simple applications of ratio, percentage and proportion, linked to similarity.</p> <p>Definition and elementary treatment of absolute value (modulus), a.</p> <p>Rounding, decimal approximations and significant figures, including appreciation of errors.</p> <p>Expression of numbers in standard form (scientific notation), that is, $a \times 10^k$, $1 \leq a < 10$, $k \in \mathbb{Z}$.</p>
Sets and numbers	<p>Concept and notation of sets, elements, universal (reference) set, empty (null) set, complement, subset, equality of sets, disjoint sets.</p> <p>Operations on sets: union and intersection.</p> <p>Commutative, associative and distributive properties.</p> <p>Venn diagrams.</p> <p>Number systems: natural numbers; integers, \mathbb{Z}; rationals, \mathbb{Q}, and irrationals; real numbers, \mathbb{R}.</p> <p>Intervals on the real number line using set notation and using inequalities.</p> <p>Expressing the solution set of a linear inequality on the number line and in set notation.</p> <p>Mappings of the elements of one set to another. Illustration by means of sets of ordered pairs, tables, diagrams and graphs.</p>

Algebra	<p>Manipulation of simple algebraic expressions involving factorization and expansion, including quadratic expressions.</p> <p>Rearrangement, evaluation and combination of simple formulae. Examples from other subject areas, particularly the sciences, should be included.</p> <p>The linear function and its graph, gradient and y-intercept.</p> <p>Addition and subtraction of algebraic fractions</p> <p>The properties of order relations: $<$, \leq, $>$, \geq.</p> <p>Solution of equations and inequalities in one variable, including cases with rational coefficients.</p> <p>Solution of simultaneous equations in two variables.</p>
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Topic	Content
Trigonometry	<p>Angle measurement in degrees. Compass directions and three figure bearings.</p> <p>Right-angle trigonometry. Simple applications for solving triangles.</p> <p>Pythagoras' theorem and its converse.</p>
Geometry	<p>Simple geometric transformations: translation, reflection, rotation, enlargement. Congruence and similarity, including the concept of scale factor of an enlargement.</p> <p>The circle, its centre and radius, area and circumference. The terms "arc", "sector", "chord", "tangent" and "segment".</p> <p>Perimeter and area of plane figures. Properties of triangles and quadrilaterals, including parallelograms, rhombuses, rectangles, squares, kites and trapeziums (trapezoids); compound shapes.</p> <p>Volumes of prisms, pyramids, spheres, cylinders and cones.</p>
Coordinate geometry	<p>Elementary geometry of the plane, including the concepts of dimension for point, line, plane and space. The equation of a line in the form $y = mx + c$.</p> <p>Parallel and perpendicular lines, including $m_1 = m_2$ and $m_1 m_2 = -1$.</p> <p>Geometry of simple plane figures.</p> <p>The Cartesian plane: ordered pairs (x, y), origin, axes.</p> <p>Mid-point of a line segment and distance between two points in the Cartesian plane and in three dimensions.</p>
Statistics and probability	<p>Descriptive statistics: collection of raw data; display of data in pictorial and diagrammatic forms, including pie charts, pictograms, stem and leaf diagrams, bar graphs and line graphs.</p> <p>Obtaining simple statistics from discrete and continuous data, including mean, median, mode, quartiles, range, interquartile range.</p> <p>Calculating probabilities of simple events.</p>