



**PRINCE
ALFRED
COLLEGE**

Year 12 IBDP Revision Guide 2017

Dear Year 12 IB DP students and parents,

The following pages provide an outline of the various revision materials and subject specific approaches available to International Baccalaureate Diploma students as a part of the preparation for the forthcoming November examination session. Much preparation work has been conducted over the past 18 months and the final revision process is one where students have that bit more time at their disposal to ensure that they understand the course material, commit it to memory and then practice examination style questions.

What is outlined for each subject in this booklet is by no means exhaustive and students are encouraged to ask their teachers if they are unsure how to tackle any aspect of their revision program. Likewise, students are encouraged to seek feedback on examination practice questions in preparation for the final papers. An IBDP examination timetable has also been included to assist student in preparing a revision timetable. Each subject is listed alphabetically.

Kind regards.

A handwritten signature in black ink, appearing to read 'Martin McKinnon'.

Martin McKinnon
Assistant Director of Teaching and Learning - IBDP

Subject: Biology SL

Revision Material

Sections we have studied over the two year course include:

1. Cell Biology
2. Molecular Biology
3. Genetics
4. Ecology
5. Evolution and Biodiversity
6. Human Physiology

Option C: Ecology and Conservation

Resources include:

- PowerPoint presentations
- Classroom handouts
- Past papers
- Previous topic tests
- Pearson textbook and e-resource
- ib.bioninja.com.au
- Bioknowledgy website
- Syllabus
- Command Terms handout

Approach to Revision

Use past papers to practice answering questions concisely. Ensure you look at the command terms before you attempt to answer the questions to make sure you provide the correct, requested information.

Practice providing at least one fact per point per question, aim for at least one extra fact per answer.

Practice drawing and annotating diagrams according to syllabus requirements. Remember to label every feature of each diagram drawn.

Ensure you are comfortable with all listed groundbreaking experiments and scientists for Paper 3. Use a ruler and interpret graphs and data accurately in Paper 2 and 3.

Re-read and summarise your notes into dot points.

Work through the syllabus and ensure you feel comfortable with all sections covered.

Specific Requirements: Term 3 Holiday Period and/or SwotVac

Have a few days off to recharge your batteries

Revise your own summaries of course material

Complete past paper questions to test your knowledge and understanding of the course content.

Subject: Chemistry SL / HL

Revision Material

Previous practice exam questions and associated IB mark schemes
Exam-style questions per Topic (provided during revision period)
Previous tests and assignments and provided answers (across both course years)
Pearson textbook worked examples, practice questions and Topic tests
Powerpoints
Richard Thornley videos for quick concept summaries

Approach to Revision

Both SL and HL students have three types of exam to prepare for:

Paper 1 – multiple choice questions on the core course (including Advanced Higher Level for the HL students)

Paper 2 – short and extended responses on the core course (including AHL for HL students)

Paper 3 – one data-based experimental question and then short and extended responses on one Option.

Students should attempt all types of provided questions, including previous exams and exam-style questions. Students should also be familiar with the corresponding IB Mark schemes.

Whilst doing any revision, students should have the Chemistry Guide with them so they can check off each point.

Specific Requirements: Term 3 Holiday Period and/or SwotVac

During lesson time, students will be provided with material from past examinations and methods of constructing answers will be discussed. General Topic summaries will also be reviewed with time for students to ask specific questions.

Homework will be individual work on exam questions.

Revision Material

Past exam papers, vocab booklets, structure sheets, writing convention sheets.

Approach to Revision

Classroom practice and discussion, mock exams at home, increase and consolidate the understanding of the vocabulary and structures.

Specific Requirements: Term 3 and Holiday Period

1. Go through the vocabulary booklet and learn to recognize all the characters listed.
2. To prepare for Paper 1 Text Handling
 - do all the past exams distributed in exam conditions at home. The questions will be checked and discussed in class accordingly
 - participate in the trial exams allocated during lesson time at school
3. To prepare for Paper 2 the Writing Section
 - Revisit all the writing tasks done in the past two years and be able to write key words, expressions and structures accurately in exam conditions
 - Go through the selected papers from the past exams and practice the writing task

Subject: Economics SL & HL

Revision Material

TEXTBOOK for Definitions & diagrams

PAST EXAM PAPERS

SL – Two Types of exam to practice

PAPER 1 – ESSAYS

PAPER 2 – DATA RESPONSE

HL – Three Types of exam to practice

PAPER 1 – ESSAYS

PAPER 2 – DATA RESPONSE

PAPER 3 – MATHS/SHORT ANSWERS

Approach to Revision

Definition List: Definitions of economic terminology amount to nearly 15% of the final grade! Often overlooked, collaborative approach to building a glossary of Definitions is encouraged; and will be explored in the final days of Term 3. This work is an excellent way to occupy the first week of non-contact time in October. To leave this to Swot-vac is too late.

Past Exam Papers As far as possible, students should try to work in exam conditions: closed text, handwritten and under the time conditions of the relevant exam paper. ALL MATERIAL PRODUCED UNDER THESE CONDITIONS WILL BE MARKED AND DISCUSSED BETWEEN THE INDIVIDUAL STUDENT AND TEACHER.

Examples Build a portfolio of “real-world” examples that can be drawn upon in the exam.

Specific Requirements:

Holiday Period

Deliver all exam responses to the College (Front Office) by the last Friday of the holidays. Scanned, handwritten responses are acceptable for those that are remote. This will allow the feedback to be prepared ready for re-commencement of lessons.

Swot-Vac Period

As for Past Exam papers* above, but with a 36 hour “turnaround” between submission and discussion. Students are directed to submit as soon as a response is complete, not arrive with a big batch of responses and/or expect instant feedback. The quality of feedback is directly related to the time allowed for it to be prepared. 36 hours represents a “fair” turnaround.

Normal lesson times are the primary time for feedback discussions: a “booking sheet” will be in operation to ensure equitable time.

*due to choice/optional questions, three years of exam papers (2014, 2015 & 2016) amount to six years’ worth of questions; equivalent to 24 hours work for HL, 18 hours for SL.

A target would be to do all questions by the end of the revision period.

Subject: Language B English HL

Revision Material

Paper 1: *Receptive Skills*. 5 texts to read covering core topics of Global Issues, Social relationships, Communication and Media, Literature.

You need to read widely. Try articles in English from newspapers / news website / journals / magazines.

You need to copy and consider vocabulary, comprehension and interpretations of the information.

Question what you read to test your own understanding.

Paper 2: *Written Productive Skills* 2 texts to write.

1 in Section A: 250-400 words in response to a stipulated text type, connected to an option topic: LEISURE, HEALTH, SCIENCE and TECHNOLOGY, Cultural Diversity, Customs and Traditions.

1 in Section B: 150-250 personal response and justification incorporating TOK philosophy, own choice of text type.

Approach to Revision

Regularly read texts in English: a newspaper or a news website, about different topics or issues to expand your understanding and vocabulary.

Read through all the Text Types formats and the assessment criteria for Paper 2 Section A & B.

Read through all your completed written assessments and feedback and aim to write pieces that will earn an improved score. Time yourself so you learn what you can achieve in the exam time frame of 90 minutes

Recommendations:

Create a list of teacher feedback comments on your work and aim to improve your common errors of : topic vocabulary spelling, syntax (compound and complex sentences) grammar, structure, idioms

Create a vocabulary list of subject specific language for each core topic from the past papers, and create a synonym list to expand your vocabulary.

Work in 2 x 90 minute blocks of time so you appreciate what you can do within the time frame of your exam.

Subject : French B SL

Revision Material:

- Tronc commun (3) – Paper 1 exam
 - Communication et medias
 - Questions mondiales
 - Relations sociales
- Options (5) – Paper 2 exam
 - Diversité culturelle
 - Coutumes et traditions
 - Santé
 - Loisirs
 - Sciences et technologies

Resources include:

- Le monde en français
- Schaum's – la grammaire française
- French B – IB Skills and Practice
- Grammar booklets
- Text type booklet – techniques de rédaction
- Quizlet lists
- Various grammar sheets/booklets distributed in class
- Feedback on writing tasks and mark schemes
- French-speaking internet sites (e.g. www.nouvo.ch, www.lemonde.fr, www.lefigaro.fr, www.tv5, www.lawlessfrench.com)
- Language Learning Sites (e.g. www.languagesonline.org.uk – use AS resources, particularly Faits Divers, <http://www.ibfrenchsurvivalguide.com/>)
- Past IB exams distributed in class

Approach to Revision:

- Independent writing (from past IB exam papers) – email teacher for feedback
- Independent practice of past IB Paper 1 exams
- Independent reading
- Ongoing, independent grammar and vocabulary revision

Specific Requirements: Holiday period & SwotVac:

- Revise regularly for short periods of time rather than long periods once a week
- Constantly revise vocabulary, grammar structures and text types
- Complete past Paper 2 exam questions and corrections as directed by teacher – email to teacher for feedback
- Complete past IB Paper 1 exams (SL & HL) – use mark schemes for corrections

Revision Material

- History SL or HL Syllabus
- Summary Tables, PowerPoints and Topic Syntheses
- Guide to Paper 1 Examination approach & Comparative essay writing guidance exemplars.
- Paper 2 and Paper 3 Question Banks
- All Test essays and Source Analyses (along with IB DP mark schemes) completed during the course
- Technique (Paper 1) notes + exemplars distributed after each completed task

Approach to Revision

- Revise material on Paper 1 Examination approach & Essay writing technique. Take note of exemplars.
- Revision notes should be organised according to the content requirements of Paper One, Two and Three.
- Each possible Essay / Source Analysis topic should be organised in the following manner:
 - Key lines of arguments / historiography
 - Specific evidence (selective stats, events, and quotes) that would be used to explain the key themes.
- Redo ALL course Paper 1 Source Analysis Papers.
- Complete detailed essay plans (20 minutes) on ALL possible essay topics for Paper 2 and 3 using question banks provided.

Specific Requirements: Term 3 Holiday Period.

- A Revision handout will be distributed in Week 10 and **MUST** be completed prior to the session which will take place in Week 1 of the holidays – **N15 8:30am, Friday, October 6.**

Subject: Language A1 English (Literature) SL / HL

Revision Material

- Prescribed texts : John Keats, Gwen Harwood, Simon Armitage + William Blake (HL only)
- Students' own notes
- Past essay questions
- Past commentary texts
- Student essays and plans
- Essay and Commentary assessment criteria
- Suggested essay planning guide (available on Shared Drive)
- Supporting booklets on each text

Approach to Revision

Paper 1

- Learn standard literary techniques for poetry and prose
- Practise identifying these in past paper texts
- Identify themes in past paper texts
- Write commentary plans in response to past paper texts

Paper 2

- Revise exam texts
- Write essay plans in response to past questions
- Write an essay under timed conditions
- Identify key quotes from each text and learn these
- Identify key techniques from each text and learn these
- Identify key themes in each text and learn these
- Learn comparative essay vocabulary

Specific Requirements: Term 3 and Holiday Period

- Re-read poems where necessary
- Read over corresponding poetry notes
- Identify pairs of poems that would work with each other on a thematic basis
- Learn the poems
- Write essay and commentary plans in response to at least four questions / texts

Subject: Mathematics SL

Revision Material

Haese Text Book Review Sets at end of each chapter (third edition)

IB SL Mathematics syllabus statement

Haese Mathematics Exam Preparation and Practice and Revision Guide (third edition)

Past Examination Papers 2014 - May 2017

Approach to Revision

In the time you have available, you should endeavour to work in an organised pattern, along the following lines: When doing problems always have your data (formulae) booklet on hand when working.

There are 6 topics in all and before attempting a topic, carefully read the notes on the topic first to review what you should know.

Non-calculator practice (do not use a calculator other than to perhaps check your answer).

- i. Complete a series of Skill Builder questions from your Haese Revision Guide. Constantly check you have answered the questions correctly. Make sure you know how to show your working. If you struggled with a question, spend time on ensuring you won't have a problem in the future.
- ii. Review your study notes for any missing information needed to complete these questions – add any extra information which might have helped you to perform better.
- iii. If you need more practice on a given topic do the NC review set at the back of the relevant chapter. Check you are getting the correct answers. Make notes on what knowledge you must have to answer the questions properly. Aim to show all working in a clear manner.
- iv. After all topics have been studied, do a complete Trial Examination Paper 1 (No calculators) from your revision guide using your data booklet. There are 3 trial exams in the guide. Make sure you mark your work carefully using the supplied solutions, being hard rather than easy on yourself. Always make sure you mark your work after completion of the entire exam, not before, and allow yourself the correct timeline.

Calculator practice (definitely use the calculator to help check your answers).

- i. Complete the steps i - iv above but this time with the calculator questions. Be sure to find out how to use your calculator properly if there is any problem you have with its use. Remember in the exam your calculator will be cleared and no one is permitted to give you any help whatsoever – you are entirely on your own.

After completion of the NC and C revision, it is time to work solidly on examination preparation:

- i. Now, you should have two more trial exam papers left. Try to do these past exams under exam conditions as much as you can do so – find an area where you can work undisturbed for the entire time, and work very hard on your timing – getting the maximum number of marks from the available time. Then see how much time you need at the end (if any) to complete the exam, and factor this into your future timings, to try to get the 'exam rhythm' needed for you to accomplish as much as possible in the available time. Time your run so that you have left an unseen set of exams to complete a few days before the real ones, as an ultimate trial.
- ii. There are a total of 11 past papers to attempt at any time. Ideally you will have done them all after completing proper revision from above. So it is important you allow time to do as many questions as you can and do the all important checking you are on the ball with your solutions – all time consuming.

Leave no stone unturned – if you cannot understand a question, do not hope that you do not get one like it this year – ask your teacher for assistance.

Do many small sessions of study, with regular breaks, unless you are doing a practice exam.

Email if you need help...

Paul Urban - purban@staff.pac.edu.au

Subject: Mathematics HL

Revision Material

- Core textbook
- Option handouts and worksheets (Calculus)
- Syllabus guide/information booklet (IBO documents)
- Copy of official IB past papers
- Fresh copies of all tests from the last two years

Approach to Revision

- Attempt papers in the time allocated under test conditions.
- Aim to complete an entire paper – do not leave any gaps.
- Check for progress identifying areas of concern to discuss with teacher.
- Remove all distractions – laptop, mobile phone etc.

Paper 1	2 hours	No calculator
Paper 2	2 hours	Calculator
Paper 3	1 hour	Calculator

Specific Requirements: Term 3 and Holiday Period

- Aim to complete at least one set of papers each week from here on in

Subject: Mathematics Studies SL

Revision Material:

Study guide
Tests (with solutions)
Practise tests (with solutions)
Practise Examinations (with solutions)
Text book questions

Approach to Revision:

The program follows five phases:

Phase 1

Using syllabus statement prepare note summaries of each topic. Make note of areas of weakness.

Phase 2

Students should undertake as many questions from the text and study guide as possible, paying attention to the areas of weakness.

Phase 3

Test, practice test and practice examination questions should be undertaken in an open book format endeavoring to take in as much (general) information as possible.

Phase 4

Select a paper one and a paper two examination to do as a “dress rehearsal” under full examination conditions. This will be provided to the students.

Phase 5

Critically assess the performance in the dress rehearsal and focus on key areas for improvement.

Specific Requirements: Holiday Period

It is expected that each student will spend a minimum of 20 hours progressing through the above program. This should allow students to have achieved at least phase 3 by the end of the holiday period.

Subject: Music SL & HL

Revision Material

PRESCRIBED WORKS STUDIED:

7. Brandenburg Concerto No.2 in F Major BWV 1047(c.1719-21) -JS Bach
8. Dances of Galanta (1933) -Zoltan Kodaly

MUSIC PERCEPTION AND ANALYSIS

Western Classical Music, Western Jazz and popular Music, World Music (sub regions and areas of study :India, China, Japan, Latin America, Middle East, Africa, Europe, Australia, Fusion.

Resources include:

- Annotated scores
- Annotated notes
- Revision guides
- Revision text
- syllabus
- how to answer the examination notes and articles
- lists of possible questions
- music recordings(you tube)
- musical terms and quiz
- a glossary of musical terms

Approach to Revision

Use past papers to practice answering questions about music perception and analysis. Build a glossary of terms that allow identification of musical elements without having a specific physical region or genre of music style specified (eg an ostinato drum beat with a call and response pattern of vocal music etc). Practice writing questions that you would set about prescribed works and under time pressure (max 30 mins per question) use dot point answers recalling information about the following.

Musical elements of works

Form

Historical context

Factors that influenced the composer's creative process with these works, including folk music and the social context of the music.

Once you have done this then go back and write a continuous prose answer with the same question.

Similarities with form, orchestration, use of motives, use of harmony, use of relevant musical observations (for HL Only)

Memorise the main themes in your mind and have a mental picture of the form of both prescribed works. Always strive to see the music in your mind and the form, textures and all motifs.

Build a musical vocabulary of music from around the world. Work a continent at a time and note specifics of instrumentation, form, memorise specific structures of music forms from major music regions of each continent. Be systematic.

Attend half day workshop in holiday break. Form a swotvac group and work together as per our earlier seminars on music perception from around the globe. Build a quiz.

Subject: Physics SL & HL

Revision Material

Students have been supplied with past examination questions relevant to each topic covered.

Students have also been given an IB Physics examination assistance booklet. This has information on revision techniques, examination paper details and information regarding command terms used in the Physics examination.

The command terms can be divided into three groups:

- demonstrate understanding,
- apply and use
- construct, analyse and evaluate

SL – These students have past examination questions (Topics 1 – 8) and questions related to the Option unit: Astrophysics

HL – These students have received the SL revision material, the supplementary HL topic questions (Topics 9- 12) and the Astrophysics unit.

Approach to Revision

- Use the IB syllabus and the summaries of knowledge for each chapter to identify your strengths and weaknesses at an early stage of your revision. Effective revision will concentrate on the parts of the syllabus with which you are less confident, rather than repeating topics you already know well. Monitor your progress, and you will be motivated by the fact that the list of topics left to revise becomes shorter and shorter.
- Revision should usually be *active* rather than passive. Discussing physics or answering questions is generally much more useful than reading or watching a physics video. However, it is sensible to *start* your revision of a topic by summarising each topic.
- Answering questions from past examination papers is very important and the best way to revise. You should do as many questions as you can, and check your answers. Completing 'mock exams', in which you answer all the required questions on complete examination papers in the regulation times, will also help you to judge whether you are working too quickly or slowly.

Specific Requirements: Term 3 and Holiday Period

Students need to:

Revise your own summaries of course material

Complete past paper questions to test your knowledge and understanding of the course content.

Revision session in the holidays will be a practise examination

Subject: Spanish ab Initio

Revision Material

- Individual and society topics
- Leisure and work subtopics
- Urban and rural environment vocabulary
- Language Learning Sites (eg. www.languagesonline.org.uk- useful for grammar and reading comprehension)

Resources Include:

- Various grammar sheets distributed in class
- Feedback on writing tasks
- Feedback on ongoing assessments all year
- Past IB exams distributed in class
- Term Books handed out in class
- Copies of short reading texts

Approach to revision:

- Independent writing (topics and questions to be chosen from past IB papers)
- Independent practice of past IB 1 papers
- Ongoing, independent grammar and vocabulary revision
- Verb conjugation revision
- Self-testing of preterite vs imperfect
- Revision of the conditional

Specific requirements: Term 3 and Holiday Period

- Complete writing texts and corrections directed by the teacher
- Complete past IB Paper 1 exams
- Year 12 Term 3 packet

Subject: Sport, Exercise & Health Science SL

Revision Material

Each student should have:

- Their syllabus guide
- A notes document for each topic
- A glossary of key terms and accompanying cue cards
- Answers to the data-based questions at the end of each chapter in their text-book (Sproule 2010)
- Past papers and tests (at least one for each topic, plus previous trial examinations)

Approach to Revision

Any effective study program contains three phases; clarification, acquisition and application. Students may use the *red, yellow, green* review system and the SEHS syllabus guide in order to clarify concepts that require the most revision, to those with which they are most comfortable. This process has already been completed in Term3, but should occur again as students review practice papers and exams throughout the holiday period.

Students will have completed the majority of the acquisition phase by the start of the holiday period. This includes activities such as reading, note taking and research. Once students have acquired their knowledge they must apply it to exam-like questions. Past papers, text-book questions and practice papers used in class can all be completed a second or third time. Each student will also be given two past examinations to complete at home, under test conditions.

Each of these tests should be reviewed, with the questions the student found most challenging highlighted red. This content will form the starting point for the next cycle of study.

Specific Requirements: Term 3 and Holiday Period

Complete both examinations

Re-do past papers and tests – all available on Daymap.

Identify one or two aspects of the syllabus that can be explored as a class in Term 4.