



**Lone Peak High School
IB Diploma Program Handbook
2019-2020**



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INTERNATIONAL BACCALAUREATE MISSION

The International Baccalaureate aims to develop inquiring, knowledgeable and caring young people who help to create a better and more peaceful world through intercultural understanding and respect.

To this end the organization works with schools, governments and international organizations to develop challenging programmes of international education and rigorous assessment.

These programmes encourage students across the world to become active, compassionate and lifelong learners who understand that other people, with their differences, can also be right.

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BIG SKY SCHOOL DISTRICT VISION AND MISSION

CULTIVATING, ENGAGING, EMPOWERING LEARNERS

We:

Cultivate each student's potential

Engage in globally minded education and experiential learning in the Greater Yellowstone Ecosystem

Empower students to lead inspired lives of impact, resilience, and authenticity

At the Peak of Excellence in All that We Do.

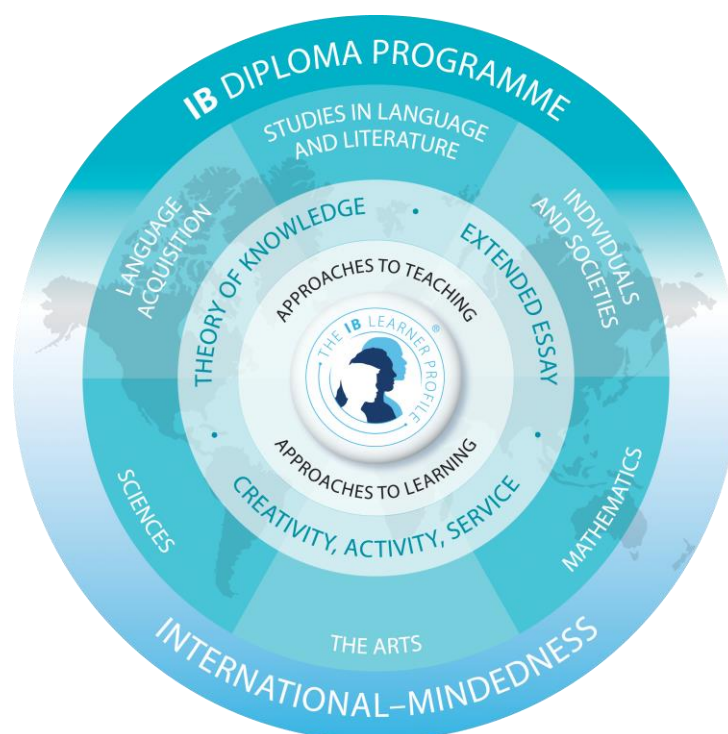
IB LEARNER PROFILE

Inquirers	We nurture our curiosity, developing skills for inquiry and research. We know how to learn independently and with others. We learn with enthusiasm and sustain our love of learning throughout life.
Knowledgeable	We develop and use conceptual understanding, exploring knowledge across a range of disciplines. We engage with issues and ideas that have local and global significance.
Thinkers	We use critical and creative thinking skills to analyze and take responsible action on complex problems. We exercise initiative in making reasoned, ethical decisions.
Communicators	We express ourselves confidently and creatively in more than one language and in many ways. We collaborate effectively, listening carefully to the perspectives of other individuals and groups.
Principled	We act with integrity and honesty, with a strong sense of fairness and justice, and with respect for the dignity and rights of people everywhere. We take responsibility for our actions and their consequences.
Open-minded	We act with integrity and honesty, with a strong sense of fairness and justice, and with respect for the dignity and rights of people everywhere. We take responsibility for our actions and their consequences.
Caring	We show empathy, compassion and respect. We have a commitment to service, and we act to make a positive difference in the lives of others and in the world around us.
Risk-takers	We approach uncertainty with forethought and determination; we work independently and cooperatively to explore new ideas and innovative strategies. We are resourceful and resilient in the face of challenges and change.
Balanced	We understand the importance of balancing different aspects of our lives—intellectual, physical, and emotional—to achieve well-being for ourselves and others. We recognize our interdependence with other people and with the world in which we live.
Reflective	We thoughtfully consider the world and our own ideas and experience. We work to understand our strengths and weaknesses in order to support our learning and personal development.

IB DIPLOMA PROGRAM OVERVIEW

The IB Diploma Program is a challenging two-year pre-university curriculum, primarily aimed at students aged 16 to 19. It leads to a qualification (the IB diploma) that is widely recognized by the world's leading universities.

The curriculum contains six subject groups together with the DP core: creativity, activity, service (CAS); the extended essay (EE); and theory of knowledge (TOK). This is illustrated by the below Diploma Program model.



Candidates studying for the diploma select six subjects from the subject groups. Normally three subjects are studied at higher level (HL) (courses representing 240 teaching hours), and the remaining three subjects are studied at standard level (SL) (courses representing 150 teaching hours). All three parts of the core—extended essay, theory of knowledge and creativity, activity, service—are compulsory and are central to the philosophy of the Diploma Program.

- The **extended essay** has a prescribed limit of 4,000 words. It offers the opportunity to investigate a topic of individual interest, and acquaints students with the independent research and writing skills expected at university.
- The interdisciplinary **theory of knowledge** course is designed to provide coherence by exploring the nature of knowledge across disciplines, encouraging an appreciation of other perspectives.
- Participation in the **CAS** program encourages candidates to be involved in artistic pursuits, sports, and community service work. The program fosters students' awareness and appreciation of life beyond the academic arena.

At the end of the two-year program, candidates are assessed both internally and externally in ways that measure individual performance against stated curriculum and assessment objectives for each subject.

In nearly all subjects at least some of the assessment is carried out internally by teachers, who mark individual pieces of work produced as part of a course of study. Examples include oral exercises in language

subjects, projects, student portfolios, reports, class presentations, practical laboratory work, mathematical investigations and artistic performances.

Some assessment tasks are conducted and overseen by teachers, but are then marked externally by examiners. Examples include written assignments or tasks for language subjects in groups 1 and 2, the essay for theory of knowledge and the extended essay.

Because of the greater degree of objectivity and reliability provided by the standard examination environment, externally marked examinations form the larger share of the assessment for most subjects.

The grading system is criterion-related (results are determined by performance against set standards, and not in relation to the performance of other students); validity, reliability and fairness are principles of the Diploma Programme's assessment strategy.

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IB DIPLOMA PROGRAM AT LONE PEAK HIGH SCHOOL

LONE PEAK COURSE OFFERINGS (subject to enrollment numbers and staff resources)

- Group 1** English A Language and Literature SL/HL
Language A Literature School-supported Self-taught (for students whose mother tongue is not English)
- Group 2** Spanish B SL online (Pamoja online course; expense for course is student/family responsibility unless recommend for the course by Pamoja)
Spanish ab initio SL
Additional online Group 2 IB DP course (Pamoja online course; with administrative approval only; expense for course is student/family responsibility)
- Group 3** Business Management SL/HL
History SL/HL
- Group 4** Physics SL/HL
Biology SL/HL
- Group 5** Math Studies SL – Class of 2020 ONLY
Math SL – Class of 2020 ONLY
Mathematics: Analysis and Approaches SL (HL Pamoja online course; with administrative approval only; expense for course is student/family responsibility) – Class of 2021 onward
Mathematics: Applications and Interpretations SL (HL Pamoja online course; with administrative approval only; expense for course is student/family responsibility) – Class of 2021 onward
- Group 6** Visual Arts SL/HL
Music SL/HL
Theater SL/HL
Design Technology SL/HL
Additional online Group 2, 3, 4 or 6 course (Pamoja online course; with administrative approval only; expense for course is student/family responsibility)

COURSE SELECTION PROCESS

The aim of the course selection process at Lone Peak High School is to make sure that every student selects an appropriate, well-balanced, and challenging course of study. To this end, parents, teachers, and administration work hand-in-hand to support students through this process. The following steps are taken to ensure the best fit for each student.

- *IB DP Introduction on the Course Selection Process and Assessment in the IB Diploma Program* for students (fall grade 10)
- *Faculty Introductions to Courses* during school (spring grade 10)
- *Student/Parent Individual Meetings* with the IB Diploma Coordinator (spring grade 10)
- *Student Final Course Selection Submission* (spring grade 10)

ACADEMIC ROUTES AT LONE PEAK HIGH SCHOOL

At Lone Peak High School, students may pursue three different types of diplomas in order to ensure a successful completion of high school, meeting all Montana state requirements. With the IB Diploma Program, we will still use the credit system. To simplify the process, you will find the credit requirements for each diploma in the section that follows as well as typical routes to graduation.

LPHS Honors Diploma/IB Diploma Requirements*

Subject	Credits Earned
English	4 (<i>2 must be IB course credits</i>)
Math (no Pre-Algebra)	4 (<i>2 must be IB course credits</i>)
Social Studies	4 (<i>2 must be IB course credits</i>)
Science	4 (<i>2 must be IB course credits</i>)
World Language	2 (<i>2 must be IB course credits</i>)
IB Theory of Knowledge	1
IB CAS	2
IB Extended Essay	1
IB Group 6 Course	2
Art	1
Music	1
Health Enhancement	1
Technology	1
Total	28 Credits

*In addition, all IB Diploma Program requirements must be met.

LPHS Standard Diploma Requirements

Subject	Credits Earned
English	4 (<i>2 must be IB course credits</i>)
Math (no Pre-Algebra)	4 (<i>2 must be IB course credits</i>)
Social Studies	4 (<i>2 must be IB course credits</i>)
Science	4 (<i>2 must be IB course credits</i>)
World Language	2 (<i>2 must be IB course credits</i>)
IB Theory of Knowledge	1
IB CAS	2
IB Group 6 Course	2
Art	1
Music	1
Health Enhancement	1
Technology	1
Total	27 Credits

LPHS Essential Diploma Requirements

Subject	Credits Earned
English	4 (<i>1 must be IB course credit</i>)
Math (no Pre-Algebra)	3 (<i>1 must be IB course credit</i>)
Social Studies	3 (<i>1 social studies or science course must be IB course credit</i>)
Science	3 (<i>1 social studies or science course must be IB course credit</i>)
World Language	1
IB CAS	2
IB Group 6 Course	1
Art	1
Music	1
Health Enhancement	1
Technology	1
Work/Study	1
General Elective	1
IB Course Elective	1
Total	24 Credits

Academic Route 1 – LPHS Honors Diploma/Full IB Diploma: In order to pursue the full IB Diploma and the LPHS Honors Diploma, students need to fulfill the following requirements¹:

LPHS Honors Diploma/Full IB Diploma

GRADE 9**		GRADE 10 **	
Course	Credits	Course	Credits
English	1	English	1
Math (no Pre-Algebra)	1	Math (no Pre-Algebra)	1
Social Studies	1	Social Studies	1
Science	1	Science	1
.5 Music	0.5	.5 Music	0.5
.5 Art	0.5	.5 Art	0.5
.5 HE	0.5	.5 HE	0.5
.5 Tech	0.5	.5 Tech	0.5
Total	6	Total	6
GRADE 11**		GRADE 12 **	
Course	Credits	Course	Credits
IB Math	1	IB Math	1
IB English	1	IB English	1
IB Science	1	IB Science	1
IB Individual & Societies (Social Studies)	1	IB Individual & Societies (Social Studies)	1
IB Language B	1	IB Language B	1
additional IB Group 6 course	1	additional IB Group 6 course	1
CAS	1	CAS	1
TOK	0.5	TOK	0.5
Extended Essay	0.5	Extended Essay	0.5
Total	8	Total	8
		TOTAL CREDITS	28

****Additional Requirements:**

1. 11th and 12th must include 3 classes finished at the Higher Level and 3 classes finished at the Standard Level
2. 90% attendance record minimum (excused absences for school activities, family emergencies, and/or illness are not included)

¹ IB Diploma is awarded externally by the IBO to those candidates fulfilling all requirements as outlined on page 30 of this handbook, including formal IB examinations.

Academic Route 2 - LPHS Standard Diploma: In order to pursue the LPHS Standard Diploma, students need to fulfill the following requirements²:

LPHS Standard Diploma			
GRADE 9**		GRADE 10 **	
Course	Credits	Course	Credits
English	1	English	1
Math (no Pre-Algebra)	1	Math (no Pre-Algebra)	1
Social Studies	1	Social Studies	1
Science	1	Science	1
.5 music	0.5	.5 music	0.5
.5 Art	0.5	.5 Art	0.5
.5 HE	0.5	.5 HE	0.5
.5 Tech	0.5	.5 Tech	0.5
Total	6	Total	6
GRADE 11**		GRADE 12 **	
Course	Credits	Course	Credits
IB Math	1	IB Math	1
IB English	1	IB English	1
IB Science	1	IB Science	1
IB Individual & Societies (Social Studies)	1	IB Individual & Societies (Social Studies)	1
IB Language B ³	1	IB Language B	1
Additional Group 6 course	1	Additional Group 6 course	1
CAS	1	CAS	1
TOK	.5	TOK	.5
Total	7.5	Total	7.5
		TOTAL	27

****Additional Requirement:**

1. 90% attendance record minimum (excused absences for school activities, family emergencies, and/or illness are not included)

² Students in this academic route may choose to sit for the official IB Diploma individual course exams if they complete the two-year course and all IB requirements.

³ If the world language requirement is fulfilled in grades 9 and 10, the student is not required to take IB Language B in grades 11 and 12.

Academic Route 3 - LPHS Essential Diploma: In order to pursue a LPHS Essential Diploma, students need to fulfill the following requirements⁴:

LPHS Essential Diploma			
GRADE 9**		GRADE 10 **	
Course	Credits	Course	Credits
English	1	English	1
Math (no Pre-Algebra)	1	Math (no Pre-Algebra)	1
Social Studies	1	Social Studies	1
Science	1	Science	1
.5 music	0.5	.5 music	0.5
.5 Art	0.5	.5 Art	0.5
.5 HE	0.5	.5 HE	0.5
.5 Tech	0.5	.5 Tech	0.5
Total	6	Total	6
GRADE 11**		GRADE 12 **	
Course	Credits	Course	Credits
IB Math	1	1 year additional IB course	1
IB English	1	IB English	1
Science (IB Science or IB Social Studies)	1	CAS	1
Social Studies (IB Science or IB Social Studies)	1	1-year additional course	1
World Language ⁵	1	Work / Study	1
additional Group 6 course	1	Total	5
CAS	1		
Total	7	TOTAL	24⁶

****Additional Requirement:**

2. 90% attendance record (excused absences for school activities, family emergencies, and/or illness are not included)

⁴ Students in this academic route may choose to sit for the official IB Diploma individual course exams if they complete the two-year course and all IB requirements.

⁵ World language requirement may be met during any 9-12 grade.

⁶ Graduation requirements can be waived by the Superintendent in certain cases. Board policy 2410.

IB DP COURSE DESCRIPTIONS

Preface: The course descriptions in this section of the handbook focus on the nature of each course and where appropriate, the distinction between the SL and HL courses. DP teachers provide a more detailed description of the subjects in their individual course syllabus. You can also find more information at <http://www.ibo.org/university-admission/ib-recognition-resources-and-document-library/#briefs>

GROUP 1: STUDIES IN LANGUAGE AND LITERATURE

ENGLISH A: LANGUAGE AND LITERATURE SL/HL

Language A: language and literature comprises four parts—two relate to the study of language and two to the study of literature.

In this course, students study a wide range of literary and non-literary texts in a variety of media. By examining communicative acts across literary form and textual type alongside appropriate secondary readings, students will investigate the nature of language itself and the ways in which it shapes and is influenced by identity and culture. Approaches to study in the course are meant to be wide ranging and can include literary theory, sociolinguistics, media studies and critical discourse analysis among others.

Distinction between SL and HL

The model for language A: language and literature is the same at SL and HL but there are significant quantitative and qualitative differences between the levels.

SL students are required to study four literary works and a number of non-literary texts that is equivalent in teaching and learning time, whereas HL students are required to study six literary works and a number of non-literary texts that is equivalent in teaching and learning time.

In paper 1, both SL and HL students are presented with two previously unseen non-literary extracts or texts from different text types, each accompanied by a guiding question. SL students are required to write a guided analysis of one of these, while HL students must write guided analyses of both non-literary extracts or texts.

In addition, HL students will have a fourth assessment component, the higher level (HL) essay, a written coursework task that requires students to explore a line of inquiry in relation to a studied non-literary text or texts, or a literary text or work. The outcome of this exploration is a 1200-1500 word essay in which HL students are expected to demonstrate a deeper understanding of the nature of linguistic or literary study.

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LANGUAGE A: LITERATURE SCHOOL-SUPPORTED SELF-TAUGHT

Language A: literature is a literature course that may be studied in a wide range of languages. Language A: literature is the subject through which the IB's policy of mother-tongue entitlement is delivered. That policy promotes respect for the literary heritage of the student's home language and provides an opportunity for students to continue to develop oral and written skills in their mother tongue while studying in a different language of instruction. Where no teacher is available, a student may be allowed to study his or her particular language A as a school-supported self-taught language A: literature student (SL only).

© International Baccalaureate Organization 2011, 2012, and 2013, Language A: Literature Guide

GROUP 2: LANGUAGE ACQUISITION

Preface: At Lone Peak High School, Group 2 consists of two modern Spanish language courses—language ab initio and language B. Language ab initio and language B are language acquisition courses designed to provide students with the necessary skills and intercultural understanding to enable them to communicate successfully in an environment where the language studied is spoken. This process encourages the learner to go beyond the confines of the classroom, expanding an awareness of the world and fostering respect for cultural diversity. The group 2 courses use a balance between approaches to learning that are teacher-centered (teacher-led activities and assessment in the classroom) and those that are learner-centered (activities designed to allow the students to take the initiative, which can also involve student participation in the evaluation of their learning). The teacher is best placed to evaluate the needs of the students and is expected to encourage both independent and collaborative learning. The two modern language courses—language ab initio and language B—develop students’ linguistic abilities through the development of receptive, productive and interactive skills (as defined in “Syllabus content”).

Many factors determine the group 2 course that a student should take: the student’s best language, the language(s) spoken at home and at school, and any previous knowledge of the language of study. The most important consideration is that the language B course should be a challenging educational experience for the student, offering not only the opportunity to learn an additional language but also the means of learning, appreciating and effectively interacting in a culture different from the student’s own. All final decisions on the appropriateness of the course for which students are entered are taken by coordinators in liaison with teachers using their experience and professional judgment to guide them.

SPANISH AB INITIO SL

Language ab initio is a language acquisition course designed for students with no prior experience of the target language, or for those students with very limited previous exposure. In the language ab initio course, students develop the ability to communicate in the target language through the study of language, themes and texts. In doing so, they also develop conceptual understandings of how language works.

Communication is evidenced through receptive, productive and interactive skills across a range of contexts and purposes that are appropriate to the level of the course. The study of language requires careful attention to forms, structures, functions and conceptual understandings of language. Knowledge of vocabulary and grammar—the what of language—is reinforced and extended by understanding the why and how of language: audience, context, purpose, meaning.

Students expand the range of their communication skills by understanding and producing a wide variety of oral and written texts for audiences, contexts and purposes associated with academic and personal interests. For the development of receptive skills, language ab initio students must study authentic texts that explore the culture(s) of the target language. A key aim of the language ab initio course is to develop international-mindedness through the study of language, culture, and ideas and issues of global significance.

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SPANISH B SL

Language B is a language acquisition course designed for students with some previous experience of the target language. In the language B course, students further develop their ability to communicate in the target language through the study of language, themes and texts. In doing so, they also develop conceptual understandings of how language works, as appropriate to the level of the course.

In the language B course, students develop the ability to communicate in the target language through the study of language themes and texts. In doing so, they also develop conceptual understandings of how language works. Communication is evidenced through receptive, productive and interactive skills across a range of contexts and purposes that are appropriate to the level of the course.

The study of language requires careful attention to forms, structures, functions and conceptual understandings of language. Knowledge of vocabulary and grammar—the what of language—is reinforced and extended by understanding the why and how of language: audience, context, purpose, meaning.

Students expand the range of their communication skills by understanding and producing a wide variety of oral and written texts for audiences, contexts and purposes associated with academic and personal interests. For the development of receptive skills, language ab initio students must study authentic texts that explore the culture(s) of the target language. A key aim of the language ab initio course is to develop international-mindedness through the study of language, culture, and ideas and issues of global significance

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GROUP 3: INDIVIDUAL AND SOCIETIES

BUSINESS MANAGEMENT SL/HL

Business management is a rigorous, challenging and dynamic discipline in the individuals and societies subject group. The role of businesses, as distinct from other organizations and actors in a society, is to produce and sell goods and services that meet human needs and wants by organizing resources. Profit-making, risk-taking and operating in a competitive environment characterize most business organizations.

Business management studies business functions, management processes and decision-making in contemporary contexts of strategic uncertainty. It examines how business decisions are influenced by factors internal and external to an organization, and how these decisions impact upon its stakeholders, both internally and externally. Business management also explores how individuals and groups interact within an organization, how they may be successfully managed and how they can ethically optimize the use of resources in a world with increasing scarcity and concern for sustainability.

Emphasis is placed on strategic decision-making and the operational business functions of human resource management, finance, and accounts, marketing and operations management. Through the exploration of six concepts underpinning the subject (change, culture, ethics, globalization, innovation, and strategy), the business management course allows students to develop their understanding of interdisciplinary concepts from a business management perspective.

Distinction between SL and HL

The HL course in business management differs from the SL course in business management in terms of the:

- extra depth and breadth required (extension units for HL)
- nature of the internal assessment task and examination

© International Baccalaureate Organization 2014 and 2015, Business Management Guide

HISTORY SL/HL

History is a dynamic, contested, evidence-based discipline that involves an exciting engagement with the past. It is a rigorous intellectual discipline, focused around key historical concepts such as change, causation, and significance. History is an exploratory subject that fosters a sense of inquiry. It is also an interpretive discipline, allowing opportunity for engagement with multiple perspectives and a plurality of

opinions. Studying history develops an understanding of the past, which leads to a deeper understanding of the nature of humans and of the world today.

The IB Diploma Programme (DP) history course is a world history course based on a comparative and multi-perspective approach to history. It involves the study of a variety of types of history, including political, economic, social and cultural, and provides a balance of structure and flexibility. The course emphasizes the importance of encouraging students to think historically and to develop historical skills as well as gaining factual knowledge. It puts a premium on developing the skills of critical thinking, and on developing an understanding of multiple interpretations of history. In this way, the course involves a challenging and demanding critical exploration of the past.

Distinction between SL and HL

Students at standard level (SL) and higher level (HL) are presented with a syllabus that has a common core consisting of prescribed subjects and topics in world history. In addition, students at HL are also required to undertake an in-depth study of three sections from one of the HL regional options. At Lone Peak High School, the regional option focuses on the *History of the Americas*. While many of the skills of studying history are common to both SL and HL, the difference in recommended teaching hours at SL and HL signals a clear distinction between the demands made on students, with the greater depth of study required for HL.

The difference between the history course at SL and the course at HL can be summarized as follows.

	SL	HL
Syllabus	<ul style="list-style-type: none"> The study of one prescribed subject from a choice of five The study of two world history topics from a choice of twelve A historical investigation 	<ul style="list-style-type: none"> The study of one prescribed subject from a choice of five The study of two world history topics from a choice of twelve The study of three sections from one HL regional option A historical investigation
Assessment	<ul style="list-style-type: none"> Paper 1: A source-based paper set on the prescribed subjects Paper 2: An essay paper based on the world history topics Internal assessment (IA): A historical investigation 	<ul style="list-style-type: none"> Paper 1: A source-based paper set on the prescribed subjects Paper 2: An essay paper based on the world history topics Paper 3: An essay paper on one of the four HL regional options Internal assessment (IA): A historical investigation

GROUP 4: SCIENCES

BIOLOGY SL/HL

Biology is the study of life. The first organisms appeared on the planet over 3 billion years ago and, through reproduction and natural selection, have given rise to the 8 million or so different species alive today. Estimates vary, but over the course of evolution 4 billion species could have been produced. Most of these flourished for a period of time and then became extinct as new, better-adapted species took their place. There have been at least five periods when very large numbers of species became extinct and biologists are concerned that another mass extinction is under way, caused this time by human activity. Nonetheless, there are more species alive on Earth today than ever before. This diversity makes biology both an endless source of fascination and a considerable challenge.

An interest in life is natural for humans; not only are we living organisms ourselves, but we depend on many species for our survival, are threatened by some and co-exist with many more. From the earliest cave paintings to the modern wildlife documentary, this interest is as obvious as it is ubiquitous, as biology continues to fascinate young and old all over the world.

The word “biology” was coined by German naturalist Gottfried Reinhold in 1802 but our understanding of living organisms only started to grow rapidly with the advent of techniques and technologies developed in the 18th and 19th centuries, not least the invention of the microscope and the realization that natural selection is the process that has driven the evolution of life.

Biologists attempt to understand the living world at all levels using many different approaches and techniques. At one end of the scale is the cell, its molecular construction, and complex metabolic reactions. At the other end of the scale biologists investigate the interactions that make whole ecosystems function.

Many areas of research in biology are extremely challenging and many discoveries remain to be made. Biology is still a young science and great progress is expected in the 21st century. This progress is sorely needed at a time when the growing human population is placing ever greater pressure on food supplies and on the habitats of other species and is threatening the very planet we occupy.

Distinction between SL and HL

Group 4 students at standard level (SL) and higher level (HL) undertake a common core syllabus, a common internal assessment (IA) scheme and have some overlapping elements in the option studied. They are presented with a syllabus that encourages the development of certain skills, attributes, and attitudes, as described in the “Assessment objectives” section of the guide.

While the skills and activities of group 4 science subjects are common to students at both SL and HL, students at HL are required to study some topics in greater depth, in the additional higher level (AHL) material and in the common options. The distinction between SL and HL is one of breadth and depth.

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PHYSICS SL/HL

Physics is the most fundamental of the experimental sciences, as it seeks to explain the universe itself from the very smallest particles—currently accepted as quarks, which may be truly fundamental—to the vast distances between galaxies.

The scientific processes carried out by the most eminent scientists in the past are the same ones followed by working physicists today and, crucially, are also accessible to students in schools. Early in the development of science, physicists were both theoreticians and experimenters (natural philosophers). The body of scientific knowledge has grown in size and complexity, and the tools and skills of theoretical and

experimental physicists have become so specialized that it is difficult (if not impossible) to be highly proficient in both areas. While students should be aware of this, they should also know that the free and rapid interplay of theoretical ideas and experimental results in the public scientific literature maintains the crucial links between these fields.

At the school level both theory and experiments should be undertaken by all students. They should complement one another naturally, as they do in the wider scientific community. The Diploma Programme physics course allows students to develop traditional practical skills and techniques and increase their abilities in the use of mathematics, which is the language of physics. It also allows students to develop interpersonal and digital communication skills which are essential in modern scientific endeavor and are important life-enhancing, transferable skills in their own right.

The Diploma Programme physics course includes the essential principles of the subject but also, through selection of an option, allows teachers some flexibility to tailor the course to meet the needs of their students. The course is available at both SL and HL, and therefore accommodates students who wish to study physics as their major subject in higher education and those who do not.

Distinction between SL and HL

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While the skills and activities of group 4 science subjects are common to students at both SL and HL, students at HL are required to study some topics in greater depth, in the additional higher level (AHL) material and in the common options. The distinction between SL and HL is one of breadth and depth.

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GROUP 5: MATHEMATICS

MATHEMATICAL STUDIES SL – Class of 2020 ONLY

This course is available only at standard level, and is equivalent in status to mathematics SL, but addresses different needs. It has an emphasis on applications of mathematics, and the largest section is on statistical techniques. It is designed for students with varied mathematical backgrounds and abilities. It offers students opportunities to learn important concepts and techniques and to gain an understanding of a wide variety of mathematical topics.

The course syllabus focuses on important mathematical topics that are interconnected. The syllabus is organized and structured with the following tenets in mind: placing more emphasis on student understanding of fundamental concepts than on symbolic manipulation and complex manipulative skills; giving greater emphasis to developing students’ mathematical reasoning rather than performing routine operations; solving mathematical problems embedded in a wide range of contexts; using the calculator effectively.

The course includes project work, a feature unique to mathematical studies SL within group 5. Each student completes a project, based on their own research; this is guided and supervised by the teacher. The project provides an opportunity for students to carry out a mathematical study of their choice using their own experience, knowledge, and skills acquired during the course. This process allows students to take sole responsibility for a part of their studies in mathematics.

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MATHEMATICS SL – Class of 2020 ONLY

This course caters for students who already possess knowledge of basic mathematical concepts, and who are equipped with the skills needed to apply simple mathematical techniques correctly. The majority of these students will expect to need a sound mathematical background as they prepare for future studies in subjects such as chemistry, economics, psychology and business administration.

The course focuses on introducing important mathematical concepts through the development of mathematical techniques. The intention is to introduce students to these concepts in a comprehensible and coherent way, rather than insisting on the mathematical rigor required for mathematics HL. Students should, wherever possible, apply the mathematical knowledge they have acquired to solve realistic problems set in an appropriate context.

The internally assessed component, the exploration, offers students the opportunity for developing independence in their mathematical learning. Students are encouraged to take a considered approach to various mathematical activities and to explore different mathematical ideas. The exploration also allows students to work without the time constraints of a written examination and to develop the skills they need for communicating mathematical ideas.

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MATHEMATICS: ANALYSIS & APPROACHES SL – Class of 2021 onward

(HL Available on Pamoja)

This course recognizes the need for analytical expertise in a world where innovation is increasingly dependent on a deep understanding of mathematics. This course includes topics that are both traditionally part of a pre-university mathematics course (for example, functions, trigonometry, calculus) as well as topics that are amenable to investigation, conjecture and proof, for instance the study of sequences and series at both SL and HL, and proof by induction at HL.

The course allows the use of technology, as fluency in relevant mathematical software and hand-held technology is important regardless of choice of course. However, Mathematics: analysis and approaches has a strong emphasis on the ability to construct, communicate and justify correct mathematical arguments.

Distinction between SL and HL

Students who choose Mathematics: analysis and approaches at SL or HL should be comfortable in the manipulation of algebraic expressions and enjoy the recognition of patterns and understand the mathematical generalization of these patterns. Students who wish to take Mathematics: analysis and approaches at higher level will have strong algebraic skills and the ability to understand simple proof. They will be students who enjoy spending time with problems and get pleasure and satisfaction from solving challenging problems.

© International Baccalaureate Organization 2019, Mathematics Analysis and Approaches Guide

MATHEMATICS: APPLICATIONS & INTERPRETATION SL – Class of 2021 onward

This course recognizes the increasing role that mathematics and technology play in a diverse range of fields in a data-rich world. As such, it emphasizes the meaning of mathematics in context by focusing on topics that are often used as applications or in mathematical modelling. To give this understanding a firm base, this course also includes topics that are traditionally part of a pre-university mathematics course such as calculus and statistics.

The course makes extensive use of technology to allow students to explore and construct mathematical models. Mathematics: applications and interpretation will develop mathematical thinking, often in the context of a practical problem and using technology to justify conjectures.

Mathematics: applications and interpretation: Distinction between SL and HL

Students who choose Mathematics: applications and interpretation at SL or HL should enjoy seeing mathematics used in real-world contexts and to solve real-world problems. Students who wish to take Mathematics: applications and interpretation at higher level will have good algebraic skills and experience of solving real-world problems. They will be students who get pleasure and satisfaction when exploring challenging problems and who are comfortable to undertake this exploration using technology.

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GROUP 6: THE ARTS

VISUAL ARTS SL/HL

The visual arts are an integral part of everyday life, permeating all levels of human creativity, expression, communication, and understanding. They range from traditional forms embedded in local and wider communities, societies and cultures, to the varied and divergent practices associated with new, emerging and contemporary forms of visual language. They may have socio-political impact as well as ritual, spiritual, decorative and functional value; they can be persuasive and subversive in some instances, enlightening and uplifting in others. We celebrate the visual arts not only in the way we create images and objects, but also in the way we appreciate, enjoy, respect and respond to the practices of art-making by others from around the world. Theories and practices in visual arts are dynamic and ever-changing, and connect many areas of knowledge and human experience through individual and collaborative exploration, creative production and critical interpretation.

The IB Diploma Program visual arts course encourages students to challenge their own creative and cultural expectations and boundaries. It is a thought-provoking course in which students develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence as art-makers. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with and critically reflect upon a wide range of contemporary practices and media. The course is designed for students who want to go on to study visual arts in higher education as well as for those who are seeking lifelong enrichment through visual arts.

Supporting the International Baccalaureate mission statement and learner profile, the course encourages students to actively explore the visual arts within and across a variety of local, regional, national, international and intercultural contexts. Through inquiry, investigation, reflection and creative application, visual arts students develop an appreciation for the expressive and aesthetic diversity in the world around them, becoming critically informed makers and consumers of visual culture.

Distinction between SL and HL

The visual arts syllabus demonstrates a clear distinction between the course at SL and at HL, with additional assessment requirements at HL that allow for breadth and greater depth in the teaching and learning. The assessment tasks require HL students to reflect on how their own work has been influenced by exposure to other artists and for them to experiment in greater depth with additional art-making media, techniques and forms. HL students are encouraged to produce a larger body of resolved works and to demonstrate a deeper consideration of how their resolved works communicate with a potential viewer.

© International Baccalaureate Organization 2014, Visual Arts Guide

MUSIC SL/HL

Music functions as a means of personal and communal identity and expression, and embodies the social and cultural values of individuals and communities. This scenario invites exciting exploration and sensitive study.

Music, and all of its associations, may vary considerably from one musical culture to another: yet music may share similarities. Such richness offers a variety of ways to encounter and engage with a constantly changing world.

A vibrant musical education fosters curiosity and openness to both familiar and unfamiliar musical worlds. Through such a study of music we learn to hear relationships of pitch in sound, pattern in rhythm and unfolding sonic structures. Through participating in the study of music we are able to explore the similarities, differences and links in music from within our own culture and that of others across time. Informed and active musical engagement allows us to explore and discover relationships between lived human experience and specific sound combinations and technologies, thus informing us more fully of the world around us, and the nature of humanity.

The Diploma Program music course provides an appropriate foundation for further study in music at university level or in music career pathways. It also provides an enriching and valuable course of study for students who may pursue other careers. This course also provides all students with the opportunity to engage in the world of music as lifelong participants.

Distinction between SL and HL

Both standard level (SL) and higher level (HL) music students are required to study musical perception. All students, therefore, submit a musical links investigation and also respond to a listening examination paper. In the latter, HL students are required to answer one further question. This question requires students to investigate significant musical links through a comparative analysis of two pieces of music prescribed by the IB.

SL students in music are required to choose one of three options:

- SL creating (SLC)
- SL solo performing (SLS)
- SL group performing (SLG).

HL students are required to present both creating and solo performing.

This is a significant difference in expectation. By pursuing both creating and performing, this enables HL students to bring to their musical studies a wider perspective. It also allows them to pursue some work in more depth. The study of three components in an integrated way allows HL students to make not only more connections but, potentially, these connections may carry more importance and have more influence during their musical studies. This path of study allows HL students the opportunity to engage in music in a more complete way.

For creating, SLC students are required to present two pieces of coursework, while HL students present three. This allows HL students to present work that either demonstrates contrasts in content, nature and intention or comes from a wider, and therefore more challenging, choice of creating options.

For solo performing, SLS students are required to present 15 minutes, while HL students present 20 minutes. This challenges HL students to present a performing programme that features more music of a contrasting nature.

For those students (SLG) presenting group performing, the requirement is 20–30 minutes.

The Diploma Programme music course is designed to offer students the opportunity to build on prior experience in music while encouraging a broad approach to the subject and developing new skills, techniques and ideas. While prior music experience is not mandatory at SL, it is recommended. At HL it is very strongly recommended.

© International Baccalaureate Organization 2009 and 2014, Music Guide

THEATER SL/HL – Class of 2021 onward

Theatre is a dynamic, collaborative and live art form. It is a practical subject that encourages discovery through experimentation, the taking of risks and the presentation of ideas to others. It results in the development of both theatre and life skills; the building of confidence, creativity and working collaboratively.

The IB Diploma Programme theatre course is a multifaceted theatre-making course of study. It gives students the opportunity to make theatre as creators, designers, directors and performers. It emphasizes the importance of working both individually and collaboratively as part of an ensemble. It offers the opportunity to engage actively in the creative process, transforming ideas into action as inquisitive and productive artists.

Students experience the course from contrasting artistic perspectives. They learn to apply research and theory to inform and to contextualize their work. The theatre course encourages students to appreciate that through the processes of researching, creating, preparing, presenting and critically reflecting on theatre—as participants and audience members—they gain a richer understanding of themselves, their community and the world.

Through the study of theatre, students become aware of their own personal and cultural perspectives, developing an appreciation of the diversity of theatre practices, their processes and their modes of presentation. It enables students to discover and engage with different forms of theatre across time, place and culture and promotes international-mindedness.

Distinction between SL and HL

The syllabus clearly indicates a differential between SL and HL. It allows for greater breadth and depth in the teaching and learning at HL through an additional assessment task which requires HL students to engage with theatre theorists and their theories.

© International Baccalaureate Organization 2016, Theater Guide

DESIGN TECHNOLOGY SL/HL

Design, and the resultant development of new technologies, has given rise to profound changes in society: transforming how we access and process information; how we adapt our environment; how we communicate with others; how we are able to solve problems; how we work and live.

Design is the link between innovation and creativity, taking thoughts and exploring the possibilities and constraints associated with products or systems, allowing them to redefine and manage the generation of further thought through prototyping, experimentation and adaptation. It is human-centered and focuses on the needs, wants and limitations of the end user.

Both the ideas of design and the process of design can only occur in a human context. Design involves multidisciplinary teams and stakeholders with different backgrounds and traditions. It is important to understand, however, that to design is to be involved in a community of inquiry with certain common

beliefs, methodologies, understandings and processes. Design is multidisciplinary and draws from many areas including the natural and social sciences, mathematics and arts.

Diploma Program design technology aims to develop internationally minded people whose enhanced understanding of design and the technological world can facilitate our shared guardianship of the planet and create a better world. It focuses on analysis, design development, synthesis, and evaluation. The creative tension between theory and practice is what characterizes design technology within the Diploma Programme sciences group.

Inquiry and problem-solving are at the heart of the subject. Diploma Program design technology requires the use of the design cycle as a tool, which provides the methodology used to structure the inquiry and analysis of problems, the development of feasible solutions, and the testing and evaluation of the solution. In Diploma Programme design technology, a solution can be defined as a model, prototype, product or system that students have developed independently.

Distinction between SL and HL

Design technology students at standard level (SL) and higher level (HL) undertake a common core and have four common assessment criteria used for their internal assessment (IA). They are presented with a syllabus that encourages the development of certain skills, attributes and attitudes, as described in the “Assessment objectives” section of this guide.

While the skills and activities of design technology are common to students at both SL and HL, students at HL are required to study additional topics and are required to meet two additional assessment criteria for internal assessment. The distinction between SL and HL is one of breadth and depth.

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THE CORE

THEORY OF KNOWLEDGE

TOK plays a special role in the Diploma Program by providing an opportunity for students to reflect on the nature of knowledge. The task of TOK is to emphasize connections between areas of knowledge and link them to the knower in such a way that the knower can become aware of his or her own perspectives and those of the various groups whose knowledge he or she shares. TOK, therefore, explores both the personal and shared aspects of knowledge and investigates the relationships between them.

The raw material of TOK is knowledge itself. Students think about how knowledge is arrived at in the various disciplines, what the disciplines have in common and the differences between them. The fundamental question of TOK is “how do we know that?” The answer might depend on the discipline and the purpose to which the knowledge is put. TOK explores methods of inquiry and tries to establish what it is about these methods that makes them effective as knowledge tools. In this sense, TOK is concerned with knowing about knowing.

The individual knower has to try to make sense of the world and understand his or her relationship to it. He or she has at his or her disposal the resources of the areas of knowledge, for example, the academic disciplines studied in the Diploma Program. He or she also has access to ways of knowing such as memory, intuition, reason and sense perception that help us navigate our way in a complex world.

The task of TOK is to examine different areas of knowledge and find out what makes them different and what they have in common.

At the center of the course is the idea of **knowledge questions**. These are questions such as:

- what counts as evidence for X?
- what makes a good explanation in subject Y?
- how do we judge which is the best model of Z?
- how can we be sure of W?
- what does theory T mean in the real world?
- how do we know whether it is right to do S?

Recognizing the discursive aspect of the course, the TOK presentation assesses the ability of the student to apply TOK thinking to a real-life situation. The TOK essay gives the opportunity to assess more formal argumentation prompted by questions of a more general nature.

© International Baccalaureate Organization 2013 and 2015, Theory of Knowledge Guide

EXTENDED ESSAY

The extended essay is an in-depth study of a focused topic chosen from the list of available Diploma Program subjects for the session in question. This is normally one of the student's six chosen subjects for those taking the IB diploma, or a subject that a course student has a background in. It is intended to promote academic research and writing skills, providing students with an opportunity to engage in personal research in a topic of their own choice, under the guidance of a supervisor (an appropriately qualified member of staff within the school). This leads to a major piece of formally presented, structured writing, in which ideas and findings are communicated in a reasoned and coherent manner, appropriate to the subject chosen. It is mandatory that all students undertake three reflection sessions with their supervisor, which includes a short, concluding interview, or *viva voce*, with their supervisor following the completion of the extended essay.

Key features of the extended essay

- The extended essay is compulsory for all students taking the Diploma Program and is an option for course students.
- A student must achieve a D grade or higher to be awarded the Diploma.
- The extended essay is externally assessed and, in combination with the grade for theory of knowledge, contributes up to three points to the total score for the IB Diploma.
- The extended essay process helps prepare students for success at university and in other pathways beyond the Diploma Program.
- When choosing a subject for the extended essay, students must consult the list of available Diploma Program subjects published in the *Handbook of Procedures for the Diploma Programme* for the session in question.
- The extended essay is a piece of independent research on a topic chosen by the student in consultation with a supervisor in the school.
- It is presented as a formal piece of sustained academic writing containing no more than 4,000 words accompanied by a reflection form of no more than 500 words.
- It is the result of approximately 40 hours of work by the student.
- Students are supported by a supervision process recommended to be 3–5 hours, which includes three mandatory reflection sessions.
- The third and final mandatory reflection session is the *viva voce*, which is a concluding interview with the supervising teacher.

© International Baccalaureate Organization 2016, Diploma Programme Extended Essay

CAS (CREATIVITY, ACTION, AND SERVICE)

CAS is at the heart of the Diploma Program. With its holistic approach, CAS is designed to strengthen and extend students' personal and interpersonal learning from the PYP and MYP.

CAS is organized around the three strands of **creativity**, **activity**, and **service** defined as follows.

- **Creativity**—exploring and extending ideas leading to an original or interpretive product or performance
- **Activity**—physical exertion contributing to a healthy lifestyle
- **Service**—collaborative and reciprocal engagement with the community in response to an authentic need

As a shining beacon of our values, CAS enables students to demonstrate attributes of the IB learner profile in real and practical ways, to grow as unique individuals and to recognize their role in relation to others. Students develop skills, attitudes, and dispositions through a variety of individual and group experiences that provide students with opportunities to explore their interests and express their passions, personalities and perspectives. CAS complements a challenging academic program in a holistic way, providing opportunities for **self-determination**, **collaboration**, **accomplishment** and **enjoyment**.

Successful completion of CAS is a requirement for the award of the IB Diploma. While not formally assessed, students reflect on their CAS experiences and provide evidence in their CAS portfolios of achieving the seven learning outcomes.

The CAS program formally begins at the start of the Diploma Program and continues regularly, ideally on a weekly basis, for at least **18 months** with a reasonable balance between creativity, activity, and service.

All CAS students are expected to maintain and complete a **CAS portfolio** as evidence of their engagement with CAS. The CAS portfolio is a collection of evidence that showcases CAS experiences and for student reflections; it is not formally assessed.

Completion of CAS is based on student achievement of the seven **CAS learning outcomes**. Through their CAS portfolio, students provide the school with evidence demonstrating achievement of each learning outcome.

Students engage in **CAS experiences** involving one or more of the three CAS strands. A CAS experience can be a single event or may be an extended series of events.

Further, students undertake a **CAS project** of at least one month's duration that challenges students to show initiative, demonstrate perseverance, and develop skills such as collaboration, problem-solving, and decision-making. The CAS project can address any single strand of CAS, or combine two or all three strands.

LPHS IB DP ASSESSMENT POLICY

PHILOSOPHY

At Lone Peak High School, we believe that assessment is a tool for ongoing learning, reflection, and action. All students are unique learners, and all students are on individual trajectories. As a community, we celebrate *student achievement* and *student grit*.

In recognizing the unique learning style of each student, a variety of formative assessments are used to guide the teaching and learning in each course. Regular formative assessments provide students and teachers with data points that can improve student learning and help prepare students for each summative assessment and the IB DP Final Examinations. Teachers provide frequent, specific formative assessment feedback to students in order to improve student performance on summative assessments.

TYPES OF ASSESSMENTS AT LPHS FOR THE IB DIPLOMA PROGRAM

Assessment Type	Descriptor
Formative Assessment	On-going formal and informal assessments that provide teachers and students with the necessary information to improve student performance.
Summative Assessment	The final assessment of a given unit or course where students demonstrate the mastery level they have achieved. This can include a semester or unit exam; the IB DP Final Examinations are also summative assessments.
IB DP Internal Assessment	<p>In each IB DP course at LPHS, students complete an Internal Assessment (IA). These assessments are graded by the LPHS subject teacher and moderated by IB DP examiners. IAs normally count for 20-30% of a final IB DP grade (however, in courses such as Design Technology, Music, and Visual Arts they are more heavily weighted). Examples of IAs are as follows:</p> <ul style="list-style-type: none"> • oral work in languages • fieldwork in geography • laboratory work in the sciences • investigations in mathematics • artistic performances. <p style="text-align: right;"><small>© International Baccalaureate Organization, 2005-2016, Assessment and Exams</small></p>
IB DP External Assessment	<p>Examinations form the basis of the assessment for most courses in the IB Diploma Program due to their high levels of objectivity and reliability. External examinations are graded by external IB DP examiners. Examples of external assessments in the IB DP are as follows:</p> <ul style="list-style-type: none"> • essays • structured problems • short-response questions • data-response questions • text-response questions • case-study questions • multiple-choice questions – though these are rarely used. <p style="text-align: right;"><small>© International Baccalaureate Organization, 2005-2016, Assessment and Exams</small></p>
LPHS Mock Examinations	To better prepare students for the IB DP Final Examinations at the end of grade 12, full IB Diploma students and IB Diploma Course students will take LPHS Mock Examinations at the end of grade 11 and the end of February in grade 12. Full IB Diploma and IB Diploma Course students are required to attend the LPHS Mock Examinations.
IB DP Final Examinations	The IB DP Final Examinations take place over a three-week period in May of grade 12. Students can have up to six hours of examinations in one given day (though this does not happen often). These are the summative examinations of their respective IB DP courses.

STUDENT RESPONSIBILITIES

Inquiry-based, student-centered learning requires students to actively engage in their own learning. A Lone Peak High School student is expected to:

- Actively participate in each classroom activity.
- Seek feedback and assistance from the teacher if the student does not understand a given topic.
- Examine carefully the assessment criteria and rubrics for each assignment.
- Review teacher feedback on formative and summative assessments.
- Self-assess own work against assessment criteria.
- Reflect on areas for growth and areas of achievement.
- Submit all assignments on time.
- Check the *IB DP Formal Assessment Calendar* regularly.
- Adhere to the Academic Honesty Policy.

TEACHER RESPONSIBILITIES

As the pedagogical leaders, teachers are expected to:

- Provide regular, specific feedback to students on formative and summative assignments.
- Articulate the assessment criteria, rubric, and outcomes for assignments.
- Provide a variety of authentic assessments.
- Administer at least three summative assessment tasks per semester.
- Follow the *IB DP Formal Assessment Calendar*.
- Analyze assessment trends to inform teaching practice.
- Model self-assessment and reflection.
- Moderate student work within departments.
- Communicate with students' parents/guardians on student performance.

IB DP COORDINATOR AND/OR SCHOOL ADMINISTRATION RESPONSIBILITIES

The IB DP Coordinator and/or school administration are expected to:

- Provide meaningful teacher professional development that enhances the teaching and learning at LPHS.
- Schedule collaborative planning and assessment moderation time for teachers.
- Give teachers time to plan their units, reflect, and grade assessments.
- Evaluate student performance trends and identify school growth goals based on those trends.
- Create and publish the *IB DP Formal Assessment Calendar*.
- Ensure that the teaching and learning practices align with the strategic plan and school mission.
- Inform students, parents and teachers about the Assessment Policy at school events and via media sources, including but not limited to, staff meetings, parent evenings, student tutorials, and school websites.
- Review the Assessment Policy with the BSSD School Board annually, taking into account the feedback from teachers, students, and parents.

GRADING IN THE IB DIPLOMA PROGRAM

School Reporting

At Lone Peak High School, students will receive two assessment marks per IB Diploma subject. The first grade is a **traditional LPHS grade**, based on class work, homework, and assessments. Higher Level (HL) classes will be weighted for GPA purposes. This grade will be the **ONLY** grade that appears on school transcripts. The grading scale is listed below.

93-100	A
90-92	A-
87-89	B+
83-86	B
80-82	B-
77-79	C+
73-76	C
70-72	C-
67-69	D+
60-66	D
0-59	F

The second means of recording student achievement/progress is the **IB Diploma score**. This score is reported internally at appropriate times of the school year via ManageBac reporting. The IB Diploma score is based on IB-style assessments only. This score will tell students and parents how a student is currently performing on formal IB assessments.

The IB Diploma Program scoring is a numerical system (7-1), as seen on the following page.

IB Score

IB DP Descriptors

- 7** The student demonstrates excellent content knowledge and understanding, conceptual and contextual awareness and critical, reflective thinking. Highly effective research, investigation, and technical skills are evident, as is the ability to analyze, evaluate and synthesize qualitative and quantitative evidence, knowledge and concepts to reach valid conclusions or solve problems. In collaborative exercises, the student works very well with others, ethically and responsibly, and with perseverance. Responses are highly insightful, accurate, clear, concise, convincing, logically structured, with sufficient detail, precise use of appropriate terminology and with appropriate attention to purpose and audience. Responses are creative, make very effective use of well-selected examples, demonstrate awareness of alternative points of view and provide clear evidence of intercultural understanding.
- 6** The student demonstrates very good content knowledge and understanding, conceptual and contextual awareness and critical, reflective thinking. Competent research, investigation, and technical skills are evident, as is the ability to analyze, evaluate and synthesize evidence, knowledge and concepts. In collaborative exercises, the student works well with others, ethically and responsibly, and with perseverance. Responses are mainly accurate, clear, concise, convincing, logically structured, with sufficient detail, using consistent terminology and with appropriate attention to purpose and audience. Responses show creativity, make effective use of examples, demonstrate awareness of alternative points of view and provide evidence of intercultural understanding.
- 5** The student demonstrates sound content knowledge and understanding, good conceptual and contextual awareness and evidence of critical, reflective thinking. Research, investigation, and technical skills are evident and sometimes well developed. Analytical ability is evident, although responses may at times be more descriptive than evaluative. In collaborative investigations, the student generally works well with others, ethically and responsibly, and with perseverance. Responses are generally accurate, clear, logically structured and coherent, with mainly relevant material, using suitable terminology, and are sometimes well developed. Responses show reasonable creativity, use of examples, awareness of audience and evidence of intercultural understanding.
- 4** The student demonstrates, with some gaps, secure content knowledge and understanding, some conceptual and contextual awareness and some evidence of critical thinking. Research, investigation, and technical skills are evident, but not thoroughly developed. Analysis is generally valid, but more descriptive than evaluative. The student solves basic or routine problems, but with limited ability to deal with new or difficult situations. In collaborative exercises, the student works within a team and generally approaches investigations ethically and responsibly, but requires supervision. Responses are mostly accurate and clear with little irrelevant material. There is some ability to logically structure responses with adequate coherence and use of appropriate terminology. Responses sometimes show creativity, and include some awareness of audience and evidence of intercultural understanding.
- 3** The student demonstrates basic knowledge and understanding of the content, with limited evidence of conceptual and contextual awareness. Research and/ or investigation is evident, but remains undeveloped. There is some ability to comprehend and solve problems. Collaborative investigations are approached ethically and responsibly, but require close supervision. Responses are only sometimes valid and appropriately detailed. There is some expression of ideas and organization of work and basic use of appropriate terminology, but arguments are rarely convincing. Responses lack clarity and some material is repeated or irrelevant. There is limited creativity, awareness of context or audience and limited evidence of intercultural understanding.
- 2** The student demonstrates little knowledge or understanding of the content, with weak comprehension of concepts and context and little evidence of application. Evidence of research and/or investigation is only superficial. There is little ability to comprehend and solve problems. Responses are rarely accurate or valid. There is some attempt to express ideas, use terminology appropriate to the subject and organize work, but the response is rarely convincing. There is very little creativity, awareness of context or audience and little evidence of intercultural understanding.
- 1** The student demonstrates very rudimentary knowledge or understanding of the content, with very weak comprehension of concepts and context. Ability to comprehend and solve problems or to express ideas is not evident. Responses are rarely accurate or valid. Organization is lacking to the point that responses are confusing. Responses demonstrate very little to no appreciation of context or audience, inappropriate or inadequate use of terminology, and little to no intercultural understanding.

AWARDING OF THE INTERNATIONAL BACCALAUREATE DIPLOMA (IB Diploma)

The IB Diploma will be awarded to a candidate provided all the following requirements have been met.

- a. CAS requirements have been met.
- b. The candidate's total points are 24 or more.
- c. There is no "N" (No Grade Awarded) awarded for theory of knowledge, the extended essay or for a contributing subject.
- d. There is no grade E (failing grade) awarded for theory of knowledge and/or the extended essay.
- e. There is no grade 1 awarded in a subject/level.
- f. There are no more than two grade 2s awarded (HL or SL).
- g. There are no more than three grade 3s or below awarded (HL or SL).
- h. The candidate has gained 12 points or more on HL subjects (for candidates who register for four HL subjects, the three highest grades count).
- i. The candidate has gained 9 points or more on SL subjects (candidates who register for two SL subjects must gain at least 5 points at SL).
- j. The candidate has not received a penalty for academic misconduct from the Final Award Committee.

A maximum of three examination sessions is allowed in which to satisfy the requirements for the award of the IB Diploma. The examination sessions need not be consecutive.

A Bilingual IB Diploma will be awarded to a successful candidate who fulfills one or both of the following criteria:

- a. Completion of two languages selected from group 1 with the award of a grade 3 or higher in both
- b. Completion of one of the subjects from group 3 or group 4 in a language that is not the same as the candidate's group 1 language. The candidate must attain a grade 3 or higher in both the group 1 language and the subject from group 3 or 4.

LONE PEAK HIGH SCHOOL ACADEMIC HONESTY POLICY

Academic honesty is fundamental to our school values and our individual and collective pursuit of knowledge. In a concept-based, inquiry-driven educational environment, access to a wide range of information is essential in order to construct knowledge and acquire understanding. To this end, Lone Peak High School purposefully promotes academic integrity by teaching students about the merits and laws surrounding intellectual property, by standardizing a referencing system across all grades and subjects, and by scaffolding students in age-appropriate lessons and assessments on academic honesty, research skills, and referencing.

ACADEMIC MISCONDUCT

The most common forms of academic misconduct include the following:

Lack of referencing in school assessments and IB DP assessments: Students submit work for school assessments and IB DP assessments in a variety of media that may include audio-visual material, text, graphs, images and/or data published in print or electronic sources. If a student uses the work or ideas of another person, the student must acknowledge the source using a standard style of referencing in a consistent manner.

Too much assistance and collusion: Although group work is a key element in components of certain subjects, students are expected to present assessments in their own words and acknowledge the words or ideas of others where collaboration has occurred.

However, there are other ways in which a student may be in breach of regulations. For example, if he or she:

- Duplicates work to meet the requirements of more than one assessment component
- Fabricates data for an assignment
- Takes unauthorized material into an examination room
- Disrupts an examination by an act of misconduct, such as distracting another student or creating a disturbance
- Exchanges, supports, or attempts to support the passing on of information that is or could be related to the examination
- Fails to comply with the instructions of the invigilator or other members of the school's staff responsible for the conduct of the examination
- Impersonates another student
- Uses Google Translate for a 2nd language assessment unless explicitly permitted by the teacher
- Uses summary books or websites like Spark Notes for assessments instead of the original text
- Steals examination papers
- Discloses or discusses the content of an examination paper with a person outside the immediate school community within 24 hours after the examination.

© International Baccalaureate Organization 2015, Handbook of Procedures for the Diploma Programme

STUDENT RESPONSIBILITIES

The student is responsible for submitting authentic and academically honest work, identifying the work and ideas of others using the **Modern Language Association (MLA)** referencing system. In order to adhere to the principle of academic honesty, a Lone Peak High School student is expected to:

- Review the Academic Honesty Policy regularly.
- Adhere to the principle of academic honesty in all forms of assessments (formative and summative, IB DP and school-based assessments).

- Plan projects and research accordingly in order to avoid procrastination on major school assessments and IB DP assessments. Completing work at the last minute can increase the likelihood of plagiarism, intentional or not.
- Reference the work of others using the MLA referencing system in all school and IB DP assessments, including but not limited to, graphs, diagrams, charts, pictures, videos, interviews, magazines, periodicals, books, websites, newspapers, and textbooks. The following website is a good source to assist with MLA referencing: [OWL Purdue MLA](#)
- Cite all electronic sources with the URL and the Date ACCESSED.
- Ask questions and seek feedback on his/her understanding of the MLA referencing system.
- Submit major school and IB DP assessments to **Turnitin.com**.
- **Sign a declaration of originality** upon the submission of major school assessments and IB DP assessments.

TEACHER RESPONSIBILITIES

All Lone Peak High School teachers work together to promote and ensure academic honesty in all learning activities and assessments by teaching and modeling research skills and MLA referencing. Lone Peak High School teachers are expected to:

- Uphold the Academic Honesty Policy when administering all forms of assessment (formative and summative, IB DP and school-based assessments).
- Promote a culture of academic honesty.
- Develop lessons and provide instruction and support on research skills.
- Scaffold the research process by providing stages and/or a timeline for specific tasks.
- Give students exemplar work with examples of correct citations.
- Provide students with regular feedback on formative assessments.
- Review **Turnitin.com originality reports**.
- Follow MLA conventions on classroom materials.
- Investigate promptly any instances of suspected malpractice by reviewing **Turnitin.com originality reports**, previous drafts, cross-referencing sources, speaking with the student, etc.
- Report suspected instances of academic malpractice to the IB Curriculum Coordinator and the Principal.

IB DP COORDINATOR AND/OR SCHOOL ADMINISTRATION RESPONSIBILITIES

The Lone Peak High School pedagogical leadership team is responsible for creating, implementing, and reviewing the Academic Honesty Policy. The leadership team is expected to:

- Inform students, parents, and teachers about the Academic Honesty Policy at school events and via media sources, including but not limited to, staff meetings, parent evenings, student tutorials, and school websites.
- Know the rules and procedures that govern the IB Diploma Program.
- Promote a school culture of academic honesty.
- Investigate promptly all instances of suspected malpractice by speaking with the teacher and/or student, reviewing **Turnitin.com originality reports**, previous drafts, cross-referencing sources, etc.
- Report instances of academic malpractice to the IBO if found on IB DP assessments.
- Review the Academic Honesty Policy annually with the BSSD School Board.

PARENT/GUARDIAN ROLE

Lone Peak High School parents/guardians play an important role in supporting the Academic Honesty Policy. Parents/guardians can support this policy by:

- Providing a quiet place for their student to work on school assessments and IB DP assessments.
- Encouraging their student to plan ahead their assignments with a weekly and monthly calendar.
- Reviewing the Academic Honesty Policy with their student.

CONSEQUENCES FOR ACADEMIC MISCONDUCT

In general, Lone Peak High School students will face consequences for academic misconduct on major school assessments and IB DP assessments. Utilizing a progressive discipline approach, the severity of the consequence increases with each instance of academic misconduct, as shown in the following chart.

Violation	Consequence
1st Violation	Failing grade on the assessment Opportunity to redo assessment for a grade Parent notification (letter/email) by teacher/IB DP Coordinator copied Student meeting with IB DP Coordinator
2nd Violation	Failing grade on the assessment Opportunity to redo assessment for feedback only In-school suspension Parent notification (letter/email) by DP Coordinator/Principal copied Student/parent meeting with Principal
3rd Violation	Failing grade for the current grading period No opportunity to redo the assessment In-school suspension Parent notification (letter/email) by Principal Student/parent meeting with IB DP Coordinator and Principal
4th Violation	Failing grade for the current semester No opportunity to redo the assessment Parent notification (letter/email) by Principal Out-of-school suspension Parent/student meeting with Principal, IB DP Coordinator, and Superintendent
5th Violation	The issue is brought to the attention of the School Board in a closed session. The BSSD School Board determines the extent of the student suspension.

***NOTE:** Some IB DP assessments can only be done once. If malpractice is found after an investigation on such assessments, the work will not be submitted to the IBO. As a result, a course grade will not be awarded by the IBO.

BSSD LANGUAGE POLICY

SCHOOL LANGUAGE PHILOSOPHY

If you talk to a man in a language he understands, that goes to his head. If you talk to him in his language, that goes to his heart.

-Nelson Mandela

At Big Sky School District, we believe that multilingualism contributes to intercultural understanding, cooperation, and friendship. Multilingualism prepares students for a globalized world while contributing to the development of our student IB Learner attributes such as being open-minded, communicative, and reflective. As a result, Big Sky School District is committed to exposing native English speakers to Spanish from kindergarten to grade 12 through classroom instruction as well as experiential learning. In recognizing that our linguistic backgrounds may vary, we are equally committed to supporting students whose mother tongue is not English with our ELL program.

We believe that ALL teachers are language teachers, and therefore, language development is a key aspect of our pedagogical approach. To support this belief, we dedicate professional development time towards enhancing our best practices in language instruction. This professional development approach is informed by the most relevant, up-to-date, and academically sound research on language development.

SCHOOL LANGUAGE PROFILE

As a public school district in the state of Montana, English is the language of instruction. As noted, students begin to study Spanish in kindergarten and continue through grade 12. We also support students in their quest to master other languages by offering online courses that are recognized by the Montana Department of Education.

SUPPORT FOR MOTHER TONGUE

We know that when a student is well-spoken and literate in his or her mother tongue, the student is more likely to master another language, be successful in school across all subjects, and have a deeper understanding and appreciation for his or her own culture.

Big Sky School District's community library carries a variety of Spanish books, across the reading spectrum, to support mother tongue development. As the need arises, additional language books will be purchased.

IB DP LANGUAGE COURSE OFFERINGS

In order to support mother tongue development and multilingualism, we currently offer the following courses in the IB Diploma Program at Lone Peak High School:

- Language A: Literature SL - School-supported Self-taught
- English Language A: Language and Literature SL/HL
- Spanish B SL (Pamoja)
- Spanish Ab Initio SL

LANGUAGE A: LITERATURE SL SCHOOL-SUPPORTED SELF-TAUGHT (SSST)

For students best suited for the Language A: Literature SSST course, Lone Peak High School will support such students by providing the resources, facilities, technology, and time to support the student. The cost of a tutor will be passed on to the family.

ENGLISH LANGUAGE LEARNER (ELL)

To support ELL students, we employ a variety of strategies. To begin with, we utilize multiple assessments in order to measure student mastery levels in core subjects. We use assessments provided by WIDA to provide feedback on English language acquisition and Logramos to measure student mastery levels in core subjects in Spanish. As the need arises for additional language measures, we will include them. We provide Sheltered English Instruction (SIOP) and Language Development as outlined in Montana's English Language Learners: Guidance for School Districts. Additionally, we provide online language instruction for ELL students in grades 2-12 using Rosetta Stone. We also provide a modified curriculum for elementary aged ELL students. As the need arises, we will provide a modified curriculum in the middle and high schools.

POLICY COMMUNICATION

The administration is responsible for communicating this policy to students, parents and teachers at school events and via media sources, including but not limited to, staff meetings, parent evenings, student tutorials, and school websites.

POLICY REVISION

The Language Policy is revised annually by the administration, language teachers, ELL Coordinator, and the BSSD School Board.

BSSD INCLUSION POLICY

PHILOSOPHY OF INCLUSION

Our inclusive policy is shaped by the belief “that all children deserve a rights-based education system, which ‘means that children should be seen as holders of the right to education, which implies not only the right to have access to education, but also that human rights must also be applied in education and promoted through education’” (Sandkull, 2005, p. 2 as seen in Mitchem, p. 9, 2016). We strive to make our school more inclusive and democratic so that all students at Big Sky School District have access to our curriculum and instruction. To make this a reality, we commit to professional development to support teachers with inclusion practices. We also differentiate our instruction and provide accommodations and/or modifications for our students with learning support requirements to aid in their success in the school’s curriculum.

INCLUSION IN PRACTICE AT BIG SKY SCHOOL DISTRICT

As a public school in the state of Montana, we follow all federal and state regulations regarding our inclusion policy.

504 Accommodations - Per section 504 of the Rehabilitation Act of 1973, students who are identified with a mental and/or physical health challenge that impairs daily living or learning activities are entitled to educational accommodation plans and/or health plans. These plans will provide students’ access to the school’s curriculum, instruction and assessment through an accommodation plan and/or a health plan. Teachers will be informed of their specific responsibilities for implementing accommodations at the beginning of each school year and as needed.

Individual Education Plans (IEP) - Similar to the 504 accommodations plan, students eligible for services under Individuals with Disabilities Education Act (IDEA, 1975) will receive a free and appropriate public education and necessary related services. These services include identification, evaluation, placement and delivery of specialized instruction to qualified students. Teachers will be informed of their specific responsibilities for implementing accommodations and modifications of the curriculum as well as the related student supports at the beginning of the school year and as needed.

Students’ accommodations and/or modifications will take place in the classroom, but may also include the following, depending on the individual student need:

- **Alternate course/online course** or **specialized instruction** with intensive individualized support towards IEP goals
- **Learning resource classroom with a certified special education teacher** for reading, math and written expression
- **Paraprofessional educators** for students identified as needing 1 to 1 support

INCLUSION IN THE PRIMARY YEARS PROGRAM

At Ophir Elementary School, the inclusion practice of Response to Intervention (RTI) is also utilized to support student learning.

RTI is a research-based process that tracks student progress with consistent ongoing assessments. Decisions about instruction are driven by that data, so all students can be challenged at an individual level. RTI is a way of teaching that measures how students respond to instruction, and then if necessary, adjusts instruction to ensure that each student is mastering the skills necessary for academic success.

INCLUSION IN THE DIPLOMA PROGRAM

In order to receive assessment accommodations in the IB Diploma Program, the following steps need to be taken at the beginning of grade 11:

1. Legal guardians must give consent to seek inclusive arrangements on IB Diploma Program assessments.
2. Submission of a psychological/psycho-educational/medical report^[1] and educational evidence from the school to the IBO via the IB DP Coordinator. For additional language learners, the report of the language test will serve as psychological evidence. *A medical or psychological evaluation must have been undertaken no earlier than the previous academic year before the start of the candidate's study of the Diploma Program.* Some flexibility will be allowed for candidates with permanent sensory and/or physical challenges.

Students can receive a variety of accommodations on IB DP assessments. It is essential to identify the accommodations early in the IB Diploma Program so that students familiarize themselves with the accommodations in preparation for the formal IB Diploma Program assessments.

The school will ensure that all IB authorized accommodations are provided for students on formal IB Diploma Program assessments, including Internal Assessments, External Assessments, and IB DP Final Examinations.

POLICY COMMUNICATION

The administration is responsible for communicating this policy to students, parents and teachers at school events and via media sources, including but not limited to, staff meetings, parent evenings, handbooks, and school websites.

POLICY REVISION

The Inclusion Policy is revised annually by the administration, inclusion teachers, and the BSSD School Board.

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[1] All psychological/psycho-educational/medical reports must:

- be legible, on paper with a letterhead, signed and dated
- state the title, name and professional credentials of the person (or persons) who has undertaken the evaluation and diagnosis of the candidate
- state specifically the nature of the learning support requirement, and the tests or techniques used to arrive at the identification
- be consistent with the coordinator's request for assessment arrangements
- be accompanied by a translation into English, French or Spanish, if it is not written in one of the IB working languages.

All psychological/psycho-educational reports must:

- be based on the candidate's performance on nationally standardized psychological tests (where available and published, recent editions of standardized tests should be employed)
- report results as standard scores, which have a mean of 100 and a standard deviation of 15, and not percentiles or age/grade equivalents

LATE WORK

To ensure success in the IB Diploma Program, it is important that students meet all school and IB Diploma Program deadlines. A single missed deadline can quickly impact a course grade as well as a student's ability to manage the workload. Therefore, in order to encourage students to meet deadlines, we will adhere to the LPHS Late Work Policy, as stated below.

All assignments are due on the assigned due date unless previously discussed with the instructor and an agreed upon new deadline is established. Late assignments will be graded as follows: (for each excused absence prior to, or on the due date, students will receive one additional day as an extension)

- One day late will be graded at 50% of the earned score.
- Two or more days late will not be accepted for a grade.

Additionally, in the IB Diploma Program, if a student misses a deadline for a formal IB Diploma Internal or External Assessment deadline, the following actions will ensue. **

Missed Deadline	Actions
1st	Student meeting with the IB Diploma Coordinator to discuss time management/Email sent home to parents
2nd	Meeting with student, parent/s/guardian/s, and IB Diploma Coordinator to create an academic contract
3rd	Meeting with student, parent/s/guardian/s, IB Diploma Coordinator, Counselor, and Principal to determine suitability for formal IB Diploma examinations and assessments

**If a student misses an external IB Diploma deadline (one established by the IBO and not the school), the student will not be awarded a grade in that particular IB Diploma course and will, therefore, not be eligible for an IB Diploma.

IB DIPLOMA PROGRAM ACRONYMS

CAS - Creativity, Action, and Service program

EA -External Assessment (work that is completed by the student and marked by an external IB DP examiner)

EE - Extended Essay

HL - Higher Level

IA - Internal Assessment (work that is completed by the student, marked by the teacher and moderated by an external IB DP examiner)

IB DP - International Baccalaureate Diploma Program

SL - Standard Level

TOK - Theory of Knowledge