



# International Baccalaureate Diploma Programme (IBDP) at Lexington High School

Lexington School District One

## *Basic Facts about the IBDP*

The **International Baccalaureate (IB) Diploma Programme** is a rigorous pre-university course of studies that meets the needs of highly motivated high school students in their Junior and Senior years. The IB curriculum focuses on high academic standards, international understanding and citizenship, and second language proficiency.

IB is a comprehensive two-year curriculum that requires diploma candidates to complete at least one course in six academic areas: Language A1 (native language), Language B (foreign language), Experimental Sciences (science), the Arts and Electives (art, music, and theatre arts), Mathematics (math), and Individuals and Societies (social studies). In addition to the six academic courses, students are expected to complete three other requirements in order to receive an IB Diploma.

### **Contact Information**

Lexington High School  
International Baccalaureate  
World School  
2463 Augusta Highway  
Lexington, South Carolina 29072  
(803) 821-3400  
School website:  
<http://lhs.lexington1.net/>  
IBDP website:  
<http://lhs.lexington1.net/ib-international-baccalaureate/>

### **Why the Diploma Program?**

- Emphasizes critical thinking, intercultural understanding, and exposure to a variety of points of view
- Coursework in six different subject areas that reflect a blend of breadth and specialization
- Independent research paper on topic of special interest
- Theory of Knowledge philosophy course
- 150 hours of community service

This course list shows both preparation for success in Programme. If a student's recommended course, this will enhance preparation for IB. We encourage students to participate in honors (HN) courses prior to IB, but it is not a requirement. They may elect to enroll in certain AP courses in the 9<sup>th</sup> and 10<sup>th</sup> grades.

# Course Requirements

required and recommended courses as the International Baccalaureate schedule allows for participation in the

Subject	Courses
<b>English (IB Group 1: Studies in Language and Literature)</b> (Minimum 2 credits complete before entering IB)	<u>Required:</u> Pre-IB English 1 HN & 2 HN <i>or</i> English 1 & 2 SEM/HN
	<u>Recommended:</u> English 3 SEM/HN
<b>World Language (IB Group 2: Language acquisition)</b> (Minimum 2 credits complete before entering IB)	<u>Required:</u> French, German, Latin, <i>or</i> Spanish 1, 2, & 3 SEM/HN (3 Credits should be in the same language)
	<u>Recommended:</u> French, German, Latin, <i>or</i> Spanish 4 HN <i>or</i> 5 HN (There are options for students who do not meet the World Language requirements.)
<b>Social Studies (IB Group 3: Individuals and Societies)</b> (Minimum 1 credit complete before entering IB)	<u>Economics SL = Required:</u> Algebra 2
	<u>Psychology SL = Required:</u> English 2 SEM/HN <i>and</i> Algebra 2 TH/HN
	<u>Business Management SL = Required:</u> Integrated Business Applications
	<u>History HL = Required:</u> World Geography SEM/HN <i>or</i> World History SEM/HN <u>Recommended:</u> AP Government <i>or</i> AP Human Geography <i>or</i> AP World History
<b>Science (IB Group 4: Sciences)</b> (Minimum 2 credits complete before entering IB)	<u>Required:</u> Pre-IB Biology 1 HN <i>or</i> Biology 1 SEM/HN <i>and</i> one other science course
	<u>Recommended:</u> Pre-IB Chemistry HN <i>or</i> Chemistry SEM/HN <i>or</i> Physical Science SEM/HN <i>or</i> AP Biology Prep Lab HN <i>and</i> AP Biology <ul style="list-style-type: none"> <li>Participation in a statistics course is recommended for IB Biology (Probability and Statistics TH <i>or</i> AP Statistics)</li> </ul>
<b>Math (IB Group 5: Mathematics)</b> (Minimum 3 credits complete before entering IB)	<u>Math Studies SL = Required:</u> Pre-IB Algebra 1 HN <i>and</i> Pre-IB Algebra 2 HN <i>or</i> Algebra 1 TH/HN <i>and</i> 2 TH/HN <i>and</i> Pre-IB Geometry HN <i>or</i> Geometry TH/HN
	<u>Math SL = Required:</u> Pre-IB Algebra 1 HN <i>and</i> Pre-IB Algebra 2 HN <i>or</i> Algebra 1 TH/HN <i>and</i> 2 TH/HN <i>and</i> Pre-IB Geometry HN <i>or</i> Geometry TH/HN <u>Recommended:</u> PS Theory
<b>The Arts (IB Group 6: The Arts)</b> (Minimum 2 credits complete before entering IB)	<u>Visual Arts = Required:</u> Art 1, Art 2, Art 3 HN <i>or</i> 2-D HN/3-D Design HN
	<u>Dance = Required:</u> Dance 1, 2, 3 HN
	<u>Theatre = Required:</u> Theatre 1, 2, 3 HN
<b>Requirements</b> (*These courses must be completed prior to 11 <sup>th</sup> grade)	Leadership 21 PE <i>or</i> JROTC Computer Science

# Course Descriptions

## ENGLISH A1 (GROUP 1)

The English A1 curriculum begins the summer before grade 11 with a mandatory reading assignment of one or two novels. Specific instruction will be distributed to students prior to the summer break.

**English A1, HL** **HL-1 301B00IW** (Year 1)  
**HL-2 301C00IW** (Year 2)  
**Grades: 11, 12 (Semesters: 4)** **2 units**

Prerequisite: Pre-IB English 1/Pre-IB English 2/ English 1/English 2/English 3

This course is designed to develop independent critical competency in the study of American and World Literature. IB English fosters a high level of achievement in writing, reading, and speaking. The authors and literary works studied are chosen from the IB Prescribed List (PWL) for Language A1. Students will prepare written and oral analyses of the literary works studied. Writing assignments will include general exposition and research preparation for the extended essay. IB assessments include two in-depth written assignments and two oral presentations over the two-year period. At the end of the course, students take the English A1 Exam.

## LANGUAGE B (GROUP 2)

The Language B courses offered are designed for foreign language learners and focuses principally on the interaction between speakers and writers of the target language. The aim of the course is to prepare students to use the language appropriately in a range of situations and contexts and for a variety of purposes. The course also allows students to develop an awareness and appreciation of the culture(s) of the countries in which the target language is spoken.

**French B, SL** **361G00IW**  
**Grades: 12 (Semesters: 2)** **1 unit**

Prerequisite: French1/French 2; French 3 Honors

Building on skills acquired in the previous courses, students expand their grammatical knowledge and skill in complex structures and increase their vocabulary through a deeper insight into the people and their culture. Through a more extensive practice in listening, speaking, reading, and writing, students strengthen their proficiency in self-expression and develop deeper comprehension of the language. Students are examined internally and externally on oral and written assignments, which include individual and group performance, listening skills, and literary analysis. At the completion of the course students are required to sit for the French SL Exam.

**French B, SL Honors** **361J00HW**  
**(for International Baccalaureate French B SL)**

**Grade: 11 (Semesters: 2)** **1 unit**

This course is a required link to International Baccalaureate French SL and is only open to those students enrolled in that course.

**German, B SL** **362G00IW**  
**Grades: 11, 12 (Semesters: 2)** **1 unit**

Prerequisite: German 1/German 2; German 3 Honors

Building on skills acquired in the previous courses, students expand their grammatical knowledge and skill in complex structures and increase their vocabulary through a deeper insight into the people and their culture. Through a more extensive practice in listening, speaking, reading, and writing, students strengthen their proficiency in self-expression and develop deeper comprehension of the language. Students are examined internally and externally on oral and written assignments which include individual and group performance, listening skills, and literary analysis. At the completion of the course, students are required to sit for the German SL Exam.

**German B, SL Extension Honors** **362J00HW**  
**(for International Baccalaureate German B SL)**  
**Grade: 11 (Semesters: 2)** **1 unit**

This course is a required link to International Baccalaureate German SL and is only open to those students enrolled in that course.

**Latin, SL** **363A00IW**  
**Grade: 12 (Semesters: 2)** **1 unit**

Prerequisite: Latin 1/Latin 2; Latin 3 Honors

Building on skills acquired in the previous courses, students expand their grammatical knowledge and skill in complex structures and increase their vocabulary through a deeper insight into the people and their culture. Through a more extensive practice in listening, speaking, reading, and writing, students strengthen their proficiency in self-expression and develop deeper comprehension of the language. Students cover the author Vergil and his masterpiece, 'The Aeneid'.

It is important that students understand both the serious dedication of a college level course and the quality of the material studied. The IB curriculum brings students into contact with Roman writers of a more sophisticated and matures level than they have heretofore encountered. Students are examined internally and externally on oral and written assignments which include individual and group performance, listening skills, and literary analysis. At the completion of the course students are required to sit for the Latin SL Exam.

**Latin B, SL Seminar Honors** **363D00HW**  
**(for International Baccalaureate Latin SL)**  
**Grade: 12 (Semesters: 2)** **1 unit**

Prerequisite: Latin 1/Latin 2; Latin 3 Honors

This course is a required link to International Baccalaureate Latin SL and is only open to those students enrolled in that course.

# Course Descriptions

**Spanish B, SL** **365G00IW**  
**Grades: 12 (Semesters: 2)** **1 unit**

Prerequisite: Spanish 1/Spanish 2; Spanish 3 Honors

Building on skills acquired in the previous courses, students expand their grammatical knowledge and skill in complex structures and increase their vocabulary through a deeper insight into the people and their culture. Through a more extensive practice in listening, speaking, reading, and writing, students strengthened their proficiency in self-expression and develop deeper comprehension of the language. Students are examined internally and externally on oral and written assignments, which include individual and group performance, listening skills, and literary analysis. At the completion of the course students are required to sit for the Spanish SL Exam.

**Spanish B, SL Honors** **365J00HW**  
**(for International Baccalaureate Spanish B SL)**  
**Grade: 11 (Semesters: 2)** **1 unit**

This course is a required link to International Baccalaureate Spanish SL and is only open to those students enrolled in that course.

## INDIVIDUALS AND SOCIETY (GROUP 3)

The curriculum required for the history course, History of the Americas, begins the summer before grade 11 with a mandatory reading assignment that includes The Greatest Generation. Students receive specific instructions prior to the summer break.

**History of Americas, HL** **336C00IW**  
**IB US History** **336D00IW**  
**Grades: 11, 12 (Semesters: 4)** **2 units**

This two-year course contains both United States History and 20th Century World History topics. The first year is the United States history component called History of the Americas. The student will take the stated mandated United States History End of Course Test at the end of the first year. The second year concentrates on topics of 20th Century World History. Included in those will be:

- Peacemaking and peace keeping
- Causes, practices, and effects of wars
- Origins and development of authoritarian and single party states
- The cold war

At the end of the course, students are tested on the content of both years in the IB exam. A portion of the final IB score is derived from the Historical Investigation written in the second year.

**Economics, SL** **335A00IW**  
**Grades: 11, 12 (Semesters: 2)** **1 unit**

Prerequisite: Algebra 2

This course, offered at both the higher and standard levels, is designed to develop: disciplined economic reasoning skills; an ability to apply tools of economic analysis to situations and data and to explain the findings clearly; an understanding of how individuals and societies organize themselves in the pursuit of economic objectives; an ability to evaluate economic theories, concepts, situations and data in a way which is considered rational and unprejudiced; international perspectives which feature a tolerance and understanding of the diversity of economic realities in which individuals and societies function. This course also aims to provide students with core knowledge of economics, encourage critical thinking, promote awareness and understanding of internationalism, and recognize their tendencies for bias. While students focus on the basic principles of economics, they need to employ the scientific method in discovering the application of these principles to the everyday world. This requires that they incorporate elements of history, geography, psychology, sociology, political studies as well as math and science. World citizenship is enhanced as they gain understanding of world economies, developing economies, and our responsibility in aiding and sharing with other economies.

Assessments are conducted using a combination of tests, quizzes, and timed writings, research, presentations, and seminars. At the end of the course, students take the Economics SL Exam.

**Psychology, SL** **334A00IW**  
**Grades: 11, 12 (Semesters: 2)** **1 unit**

Prerequisite: Algebra 2

The course of study for IB Psychology focuses on the systematic study of human behavior and the mental and experiential factors that influence behavior. Students develop an understanding of the historical roots of psychology as well as an appreciation for the diversity of the human experience. Through the study of the three major perspectives in psychology – biological, behavioral, and cognitive – students focus on the skills of critical thinking and the methods of empirical investigation that are the hallmarks of psychology. This course introduces the systematic and scientific study of the behavior and mental processes of human beings and other animals. It includes a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about research methodology and ethics that psychologist use in their science and practice. Attention is given to ethical procedures and issues throughout the course.

Assessments are conducted using a combination of tests, quizzes, and timed writings, research, presentations, and seminars. At the end of the course, students take the Psychology SL Exam.

# Course Descriptions

**Business and Organization, SL**  
**Grades: 11, 12 (Semesters: 2)**

**381A001W**  
**1 unit**

The business and management course aims to help students understand the implications of business activity in a global market. It is designed to give students an international perspective of business and to promote their appreciation of cultural diversity through the study of topics like international marketing, human resource management, growth and business strategy. The ideals of international cooperation and responsible citizenship are at the heart of Diploma Programme business and management. The course encourages the appreciation of ethical concerns and issues of social responsibility in the global business environment. Students should be able to make sense of the forces and circumstances that drive and restrain change in an interdependent and multicultural world. The business and management course contributes to students' development as critical and effective participants in local and world affairs.

**EXPERIMENTAL SCIENCES (GROUP 4)**

**Biology**

This course is designed to convey to students the role of biological sciences in their life and assist students with developing inquiry skills based on biological methodology. While focusing on these areas the students gain an international awareness of the biological sciences through an in-depth study of the multicultural scientists who have shaped the world of biology, research of international diseases and their origins, an in-depth look at global environmental issues, as well as an investigation of the impact of biological sciences on different cultures.

Students are assessed using a variety of tests, quizzes, essays, student presentations, lab reports, research, and in addition to the IB program's internal and external assessment.

**Biology, HL**

**HL-1 322B001W**  
**HL-2 322C001W**  
**2 units**

**Grades: 11, 12 (Semesters: 4)**

Prerequisite: Honors Biology 1/Chemistry 1

This course is designed to convey to students the role of biological sciences and assist students with developing inquiry skills based on biological methodology. While focusing on these areas, students gain an international awareness of the biological sciences through an in-depth study of the multicultural scientists who have shaped the world of biology, research of international diseases and their origins, an in-depth look at global environmental issues, as well as an investigation of the impact of biological sciences on different cultures.

Students are assessed using a variety of tests, quizzes, essays, student presentations, lab reports, and research in addition to the IB program's internal and external assessment.

**Chemistry**

**Chemistry HL**

**HL-1 323B001W**  
**HL-2 323C001W**  
**2 units**

**Grades: 11, 12 (Semesters: 4)**

Prerequisite: Honors Biology 1/Chemistry 1

The purpose of the courses is to provide an introduction to chemistry using a logical presentation of the content combined with a focus on the following concepts: Stoichiometry, Atomic Theory, Periodicity, Bonding, States of Matter, Energetics, Kinetics, Equilibrium, Acids and Bases, Oxidation and Reduction, and Organic Chemistry. Students explore additional options in content beyond the core curriculum. Laboratory activities are crucial to the learning process to provide students with an opportunity to design experiments, investigate matter and energy, and to develop skills needed to present information to the global scientific community. Students have numerous opportunities to analyze data and to critique all aspects of the laboratory process. The format includes a variety of instructional methods including class discussion, individual and group experiments, computer aided labs and learning, and lecture.

Assessments include unit tests, quizzes, lab reports, the Internal Assessment of practical scheme of work, the Group 4 Project, and various other projects and activities in preparation for the External Assessment. At the end of the course, students take the Chemistry SL/HL Exam.

**Physics**

**Physics, HL**

**HL-1 324B001W**  
**HL-2 324C001W**  
**2 units**

**Grades: 11, 12 (Semesters: 4)**

Prerequisite: Honors Biology 1/Chemistry 1

The purpose of the course is to provide an introduction to physics using a logical presentation of the content combined with a focus on the following concepts: Physical Management, Mechanics, Thermal Physics, Wave Phenomena, Electromagnetism, Atomic and Nuclear Physics. Students explore additional options in content beyond the core curriculum. Laboratory activities are crucial to the learning process to provide students with an opportunity to design experiments, explore trends in the universe, and to develop skills needed to present information to the global scientific community. Students have numerous opportunities to analyze data and to critique all aspects of the laboratory process. The format includes a variety of instructional methods including class discussion, individual and group experiments, computer aided labs and learning, and lecture. Assessments include unit tests, quizzes, lab reports, the Internal Assessment of practical scheme of work, the Group 4 Project, and various other projects and activities in preparation for the External Assessment. At the end of the course, students take the Physics SL/HL Exam.

# Course Descriptions

## MATHEMATICS (GROUP 5)

**Mathematics Studies SL**  
**Grades: 12 (Semesters: 2)**

**311B00IW**  
**1 unit**

Prerequisite: Algebra 1 or Algebra 1 HN, Algebra 2 or Algebra 2 HN, and Geometry or Geometry HN

Recommended: Grade of 85 or better in previous math courses

This course is designed to provide students with varied mathematical backgrounds and abilities the opportunity to learn critical techniques in applied mathematics and statistics. Students gain an understanding of a wide variety of mathematical topics, preparing them to solve problems in a variety of settings while developing more sophisticated reasoning and critical thinking skills. They study algebra, statistics and probability, logic and set theory, geometry, trigonometry, mathematical modeling and differential calculus. These studies are suitable for students interested in careers in the arts and humanities, leadership and public services, law and policy-making, and world languages.

Students completing this course should be able to communicate clearly and confidently, using mathematics in a variety of contexts to solve problems in many disciplines. The course emphasizes using technology accurately, appropriately, and efficiently to explore new ideas and to solve problems. Students are required to investigate unfamiliar situations involving organizing and analyzing measurements, drawing conclusions, testing their validity, while considering their scope and limitations.

**Mathematics Studies SL**                      **311G00HW**  
**Seminar Honors (for International Baccalaureate**  
**Mathematics SL)**

**Grades: 11 (Semesters: 2)**                      **1 unit**

This course is a required link to International Baccalaureate Mathematics Studies SL and is only open to those students enrolled in that course.

**Mathematics, SL**  
**Grades: 12 (Semesters: 2)**

**311F00IW**  
**1 unit**

Prerequisites: Algebra 1 Honors, Algebra 2 Honors, Geometry Honors, plus Probability and Statistics Theory (or AP Statistics)  
Recommendation: Grade of 85 or better in previous Math courses.

This course is designed for students who already possess a sophisticated knowledge of mathematical concepts and the ability to recall, select and use their knowledge in both real and abstract contexts to solve problems. Student's interested in taking this course will pursue further studies having a significant mathematical content, like economics, finance, or marketing; business management; and human services; and information technology. This course prepares students to transform common realistic contexts into mathematics through the creation of models and constructions—described with standardized notation. Students learn to make conjectures and draw conclusions based on logical argument, deduction and inference. The course explores algebra, circular functions and trigonometry, vectors, statistics and probability, and both differential and integral calculus.

In addition to two examination papers, the student's internal assessment component offers a framework for developing, independence in their mathematical learning by engaging in extended inquiry and modeling.

**Mathematics, SL**                                      **311I00HW**  
**Seminar Honors (for International Baccalaureate Mathematics SL)**  
**Grades 11 (Semesters:2)**                                      **1 unit**

This course is a required link to International Baccalaureate Mathematics SL and is only open to those students enrolled in that course.

## THE ARTS (GROUP 6)

Students embark upon a journey of creative exploration and discovery that is determined by their personally chosen area of media concentration. The journey concludes with tangible documentation of philosophical and creative processes as well as of inquiries into the influence and significance of multicultural art and artists. In addition, students explore and refine their own personal and expressive style while delving deeply into their chosen media concentration.

Journals are required of all Diploma Programme candidates as an instrument to engage students in the processes they experience. They reflect and research diverse methods of thought and creative insight as well as societal, historical, and cultural influences. A summative portfolio of artworks is essential for successful completion of either course with some of the artworks completed in earlier high school years.

**Dance, SL**

**Grades: 11, 12**

**450A00IW**

**1 unit**

Prerequisite: Dance 1, Dance 2, Dance 3 HN

The aim of the dance curriculum is to develop a holistic approach to dance, and embrace a variety of dance traditions and dance culture - past, present, and looking towards the future. Performance, creative and analytical skills are mutually developed and valued whether the students are writing papers or creating/performing dances. The curriculum provides students with a liberal arts orientation to dance. This orientation facilitates the development of students who may become choreographers, dance scholars, performers or those, more broadly, who seek life enrichment through dance.

