

## Course Sequence for MYP and IB Diploma Options

### IB MYP and IB Diploma Program Requirements- grades 9-12

Myers Park offers courses on either a 4x4 block or Aday/Bday format. Students may complete a course in one term (4x4) or one year (Aday/Bday). All AP and IB courses are offered only as Aday/Bday courses. Most IBMYP courses are offered on the 4x4. Some popular non IBMYP electives are offered as Aday/Bday courses (e.g. Band and Orchestra). If a student chooses an Aday/B day course, he/she must take another Aday/Bday course to balance his/her schedule.

Students who enroll in the full IB Middle Years Program (MYP) program must take prescribed IBMYP courses in grades 9 and 10 (see program description below). Diploma candidates must select 6 IB subjects from prescribed areas, three at the higher level and 3 at the standard level in grades 11 and 12. Each subject is graded on a scale of 1 to 7. The award of the diploma requires students to meet defined standards and conditions including a minimum total of 24 points and the satisfactory completion of a 4000 word **Extended Essay**, the Theory of Knowledge course (**TOK**) and **CAS** (creativity, action, service) activities. The maximum score of 45 includes three points for the combination of the extended essay and work in TOK. A description of the Extended Essay, CAS, TOK, and standard vs. higher level IB courses can be found at the end of this document.

### MYP Program

The IB Middle Years Program (MYP) courses follow the North Carolina Standard Course of Study and Grade Level Competencies. In addition, objectives are prescribed for all MYP subjects in the official MYP curriculum guides. The MYP educational approach embraces yet transcends traditional school subjects. While requiring a thorough study of the various disciplines, the accent is on how the eight subjects are interrelated. The eight academic subjects include: mathematics, arts, language A (English), language B (foreign language), social studies, technology, physical education, and sciences.

The MYP presents subject learning through five unique lenses known as the Areas of Interaction. These are Approaches to Learning, Community and Service, Health and Social Education, Environment, and *Homo faber* ("Man the Maker"). Students are responsible for a personal project which culminates their years in the Middle Years Program. Students who plan to continue to the IB diploma program in 11th grade should enroll in at least six MYP courses in **both** grades 9 & 10. Students must meet the final objectives in all eight subject groups. The arts and technology are imbedded in all 10th grade MYP courses.

### MYP Personal Project

This is an independent piece of work that is intended to be the culmination of the student's involvement with the five areas of interaction. It may be an essay, an artistic production, or other form of expression, with the topic chosen in consultation with teachers.

### Designated MYP and IB Requirements

Students in grades 9 – 10 must pass at least 3 IBMYP courses and complete all community service hours. 10th graders must also complete a Personal Project.

\*In order to enter the IB Diploma Program in grade 11, a student must meet the following prerequisites: English 9; English 10; Geometry; Algebra II or Algebra II/Trig; Biology; Chemistry

and/or Physics; World History; Civics and Economics; and Level III of French, German, Latin, or Spanish.

\*Students in grades 11 - 12 must complete a minimum of three IB courses and all required community service hours. Students earning the IB Diploma must successfully complete examinations in six (6) courses as well as Theory of Knowledge, the Extended Essay, and 150 hours of Creativity, Action and Service.

### **MYP Academic Disciplines: the Eight Subject Groups**

The emphasis is on a conceptual framework with objectives that are oriented towards skills and the learning process. The areas of interaction are addressed within these disciplines.

#### **Language A (required)**

The student's best language, usually the school's language of instruction. 9th grade- English I IBMYP; 10th grade- English II IBMYP

#### **Language B (required)**

A modern foreign language learned at school.

9th grade- IBMYP French, German, or Spanish II or III **or** I & II

10 grade- IBMYP French, German Spanish III or IB IV

Students may take Latin II or I & II in 9th grade and Latin III or II & III in 10th grade and "participate" in the Middle Years Program; they may also compete for the IB diploma.

Diploma students must successfully complete levels 1, 2, & 3 French, German, Latin, or Spanish by the end of 10th grade.

#### **Humanities (required)**

History and geography

9th World History- IBMYP; 10th grade- C&E IBMYP

#### **Sciences (required)**

Biology, chemistry, physics

9th grade- Biology IBMYP; 10th grade- Chemistry I IBMYP and Physics IBMYP

#### **Mathematics (required)**

Course including the five branches of mathematics: number, algebra, geometry and trigonometry, probability and statistics, and discrete mathematics

9th grade- Geometry IBMYP or Algebra II Trig IBMYP; 10th grade- Algebra II/Trig MYP or an IB Math

#### **Arts (electives; also imbedded in 10th grade MYP subjects)**

Visual arts and performing arts. These are MYP electives at Myers Park. The arts are integrated and assessed in the other MYP subjects in 10th grade.

9th grade- Drama 1 IBMYP; 10th grade- Drama 2 IBMYP

10th grade-Art 1 IBMYP; 10th grade- Art 2 IBMYP

#### **Physical Education (required)**

Course includes health and fitness, individual and team sports.

9th grade- PE IBMYP

#### **Technology (imbedded in 10th grade MYP subjects)**

Computer and design technology

We don't offer MYP technology courses. Technology is integrated and assessed in the other MYP subjects in 10th grade.

## **Sequence of courses in grades 9-12- diploma and partial IB options**

### **Group 1 - Language A1 (Native language)**

IBMYP or Honors English 9

IBMYP or Honors English 10

IB English 11 & 12 (two-year course)

IB English 11

IB English 12

IB English is a two-year course taught at the Higher Level only. Students must take the Higher Level English IB exam at the end of grade 12. Students may also take the AP Language & Composition and AP Literature tests.

### **Group 2 – Second language or Foreign Language**

IBMYP French, German, Latin, or Spanish I & II combination-students that begin in 9th grade

IBMYP French, German, Latin, and Spanish II (9th grade)

IBMYP French, German, Latin, and Spanish III (9th or 10th grade)- immersion students

IB French, German, and Spanish IV (10th or 11th grade)

IB French, German, and Spanish V (Standard Level) (11th or 12th grade)

IB French, German, and Spanish VI (Higher Level) (12th grade)

Students must take the Standard Level IB exam after they complete IB Level V, the Higher Level IB exam after they complete IB level VI. The IB and AP foreign language curriculums emphasize different aims and objectives. Some IB students take the AP Language exam in French, German, or Spanish after completing IB Level V. IBMYP French, German, or Spanish 3 are prerequisites for IB level IV. IB Latin may be used to meet the second language IB diploma requirement. We offer Latin I, II, III, IB Latin IV, and IB Latin V. We don't offer MYP Latin courses because the MYP language B must be a "modern" foreign language learned at school.

Diploma students must successfully complete levels 1, 2 & 3 French, German, Latin, or Spanish by the end of 10th grade. Depending on a combination of factors (teacher availability, space in a student's schedule, etc.), the following scenarios **may be** possible in 10th grade: levels 2 & 3 **or** level 3. Students **may not** take an IBMYP and IB foreign language in the same year (e.g. IBMYP level 3 and IB 4).

### **Group 3 – Individuals and Societies**

IBMYP or Honors World History (9th grade)

IBMYP or Honors C & E (10th grade)

IB History 11 & 12 (two-year course)

IB History of the Americas (11th grade) paired with IB International History (12th grade)

IB History of the Americas/International History is a two-year course taught only at the Higher Level. Students must take the Higher Level IB exam at the end of grade 12. They may also take the AP US History test at the end of grade 11.

IB Economics

IB Economics (11th or 12th grade)- Students must sit for the IB Standard Level Exam. Since AP Economics can be taught micro or macro, students should see the IB Economics teacher to determine if the IB curriculum parallels the AP curriculum.

IB Psychology

IB Psychology I (11th or 12th)- Students must take the IB Standard Level exam; they may also take the AP Psychology exam.

IB Psychology II (12th) Students must take the IB Higher Level Exam. To take IB Psychology II, students should have completed IB Psychology I.

### Information Technology in a Global Society (ITGS)

ITGS I (11th or 12th grade) - Students must take the Standard Level IB exam; there is no AP equivalent.

ITGS II (12th grade) - Students must take the Higher Level IB exam; there is no AP equivalent.

### IB Business and Management

IB Business and Management I (11th or 12th grade) - Students must take the Standard Level IB exam; there is no AP equivalent.

IB Business and Management II (11th or 12th grade) - Students must take the Higher Level IB exam; there is no AP equivalent.

### IB Philosophy

IB Philosophy (11th or 12th grade)- Students must take the Standard Level IB exam; there is no AP equivalent.

## **Group 4 – Experimental Sciences**

### IB Diploma

IBMYP Biology/Earth Environmental Science (9th grade) counts as 2 units

IBMYP Physics/IBMYP Chemistry (10th grade) counts as 2 units

### Honors/AP

Honors Earth/Environmental Science (9<sup>th</sup> grade)

Honors Biology (10<sup>th</sup> grade)

In grade 11, diploma students may begin one of four IB science tracks.

### IB Biology (two-year course)

IB Biology II (11th grade)

IB Biology III (12th grade)

IB Biology is a two-year course; students may take either the Standard or Higher Level IB exam at the end of grade 12. They may also take the AP Biology exam.

### IB Chemistry (two-year course)

IB Chemistry II (11th grade)

IB Chemistry III (12th grade)

IB Chemistry is a two-year course; students may take either the Standard or Higher Level IB exam at the end of grade 12. They may also take the AP Chemistry exam.

### IB Physics (two-year course)

IB Physics II (11th grade)

IB Physics III (12th grade)

IB Physics is a two-year course; students may take either the Standard or Higher Level IB exam at the end of grade 12. They may also take the AP Physics B exam.

### IB Environmental Systems

IB Environmental Systems (11th or 12th grade)- Students must take the Standard Level IB exam; they may also take the AP Environmental Science exam.

## **Group 5 – Mathematics**

IBMYP or Honors Geometry (9th grade)

IBMYP or Honors Algebra II/Trig (9th or 10th grade)

Students may begin one of three IB math tracks (IB Math Studies, IB Math Methods, or IB Math Higher Level) after completing IBMYP or HONORS Algebra II/Trig

### IB Math Studies (two-year course)

IB Math Studies 1 (10th or 11th grade)

IB Math Studies 2 (11th or 12th grade)

IB Math Studies is a two-year, non-Calculus based math taught at the Standard Level. Students must take the IB Standard Level exam after IB Math Studies 2; there is no AP equivalent. Students “occasionally” take the AP Statistics exam but must do some outside preparation on their own.

#### IB Math Methods aka Mathematics SL (two-year course)

IB Math Methods 1 (10th or 11th grade)

IB Math Methods 2 (11th or 12th grade)

IB Math Methods is a two-year, Calculus based math taught at the Standard Level. One year is comparable to AP Calculus AB; students may sit for the AP Calculus AB exam. The other year contains “some” topics covered in AP Statistics but it is not comparable. Student must take the Standard Level IB exam at the end of year two.

#### IB Math Higher Level (three-year course)

IB Math Higher Level 1 (10th grade) (similar to IB Methods 1 and is often mixed)

IB Math Higher Level 2 (11th grade)

IB Math Higher Level 3 (12th grade)

IB Math Higher Level is a three-year, Calculus based math taught at the Higher Level. Students must take the IB Higher Level exam at the end of grade 12; they may also take the AP Calculus AB (10th), AP Calculus BC (11th) and perhaps AP Statistics (12th) exams.

#### IB Computer Courses (not a math credit for graduation)

Pre-requisite IBMYP or Honors Algebra II/Trig

IB Computer Studies (11th or 12th grade)

Students must take the IB Standard Level exam; they may also take the AP Computer Science A exam.

IB Computers Higher Level (12th grade)

Pre-requisite IB Computer Studies

Students must take the IB Higher Level exam; they may also be able to take the AP Computer Science AB exam. See the teacher for details.

### **Group 6 – Arts**

#### Art

IBMYP Art I (9th grade)

IBMYP Art II (10th grade)

IB Art (two-year course)

IB Art is a two-year course; students may take either the Standard or Higher Level IB exam at the end of grade 12. Students who took non-IB Art I and Art II **must have permission** from the IB Art teacher prior to registering for IB Art II. AP Art is not similar for testing purposes.

#### MYP Drama/IB Theater

IBMYP Drama I or Theater I (9th grade)

IBMYP Drama II or Theater II (10th grade)

#### IB Theatre (two-year course)

IB Theatre 1 (11th grade)

IB Theatre 2 (12th grade)

IB Theatre is a two-year course. Students do not test; they submit various tapes and papers to IB examiners. The submissions differ for Standard and Higher Level. There is no AP equivalent. Students who took Theater I and II **must have permission** from the IB Theatre teacher prior to registering for IB Art II.

### **Theory of Knowledge, also called TOK**

In this interdisciplinary course, students dig deeper into the foundations of knowledge, comparing and contrasting the various ways of knowing (i.e., scientific, mathematical, linguistic,

artistic, religious). They are challenged to think about their thinking, learn about their learning, question the basis of knowledge, be aware of subjective and ideological biases, and develop a personal code of thought based on evidence and reason. There is no IB exam.

### **Creativity, Action and Service (CAS)**

Creativity, Action, Service (CAS) is a required component of the International Baccalaureate program for all Diploma students. The requirement for Diploma students is 150 hours of CAS activities divided equally among three categories: creativity, action, and service. This is equivalent to 2 or 3 hours per week in grades 11 and 12. Students who fail to satisfy the CAS requirement **will not receive** the IB diploma.

The Creativity, Action, Service (CAS) requirement takes seriously the importance of life outside the world of scholarship, providing a counterbalance to the academic self-absorption some students feel within a demanding school curriculum. Activities that express the spirit of CAS encourage students to share their energies and special talents while developing awareness, concern, and the ability to work cooperatively with others.

### **The Extended Essay**

The Extended Essay offers IB Diploma candidates a unique opportunity to engage in the process of personal research, to communicate ideas and information logically and to develop their skills of analysis, evaluation and reasoning. The Extended Essay is a piece of individual personal research, presented in not more than 4,000 words in one of the Extended Essay subjects of the IB Diploma. The Extended Essay subject chosen by the student does not have to be one of the subjects being studied for the Diploma.

### **IB Standard Level vs. Higher Level Courses**

IB courses are offered at two levels - Standard Level and Higher Level. Standard Level courses require one year of instruction time whereas Higher Level courses require two years of instruction time. Diploma students are required to take at least three and not more than four courses at Higher Level and the others at Standard Level. Partial IB students may take **either** Standard or Higher Level Courses with no restrictions. By choosing among the various AP, IB Standard Level, and IB Higher Level courses, students can explore some subjects in more depth while maintaining a broad program of study. IB Biology, IB Chemistry, IB Physics and the Arts are listed as two-year courses for both Standard and Higher Levels. These classes are mixed. Standard Level students benefit from the Higher Level curriculum, yet have the option to choose the Standard Level exam after two years.