

DISV IB MYP  
HANDBOOK  
2016-17





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## INTRODUCTION

This curriculum handbook is intended to provide you with an understanding of the IB Middle Years Programme (MYP) and how it is uniquely implemented at DISV.

At Danube we strive to create a culture which encourages students to discover their individual gifts and talents. The school endeavors to nurture and support each student to reach their full potential. The school's family atmosphere is grounded in respect, trust, compassion and the ideal of community service.

In addition to high academic standards, the international education that we offer focuses on the three fundamental concepts; of holistic learning, intercultural awareness and communication. We guide students to develop their skills to become independent learners and leaders in the global community. We also provide a wide range of activities and experiences that will not only prepare our students for the future but also make their school and personal life more enjoyable and rewarding.

Danube International School Vienna is a true community; we invite you to visit us in person and experience our very special school.

Maura Lichtscheidl  
IB MYP Leader



## THE IB LEARNER PROFILE

The IB learner profile is the IB mission statement translated into a set of learning outcomes for the 21st century. The learner profile provides a long-term vision of education. It is a set of ideals that can inspire, motivate and focus the work of schools and teachers, uniting them in a common purpose.

### **IB learners strive to be:**

**Inquirers:** They develop their natural curiosity. They acquire the skills necessary to conduct inquiry and research and show independence in learning. They actively enjoy learning and this love of learning will be sustained throughout their lives.

**Knowledgeable:** They explore concepts, ideas and issues that have local and global significance. In so doing, they acquire in-depth knowledge and develop understanding across a broad and balanced range of disciplines.

**Thinkers:** They exercise initiative in applying thinking skills critically and creatively to recognize and approach complex problems, and make reasoned, ethical decisions.

**Communicators:** They understand and express ideas and information confidently and creatively in more than one language and in a variety of modes of communication. They work effectively and willingly in collaboration with others.

**Principled:** They act with integrity and honesty, with a strong sense of fairness, justice and respect for the dignity of the individual, groups and communities. They take responsibility for their own actions and the consequences that accompany them.

**Open-minded:** They understand and appreciate their own cultures and personal histories, and are open to the perspectives, values and traditions of other individuals and communities. They are accustomed to seeking and evaluating a range of points of view, and are willing to grow from the experience.

**Caring:** They show empathy, compassion and respect towards the needs and feelings of others. They have a personal commitment to service, and act to make a positive difference to the lives of others and to the environment.

**Risk-takers/Courageous:** They approach unfamiliar situations and uncertainty with courage and forethought, and have the independence of spirit to explore new roles, ideas and strategies. They are brave and articulate in defending their beliefs.

**Balanced:** They understand the importance of intellectual, physical and emotional balance to achieve personal well-being for themselves and others.

**Reflective:** They give thoughtful consideration to their own learning and experience. They are able to assess and understand their strengths and limitations in order to support their learning and personal development.

## IB MIDDLE YEARS PROGRAMME GUIDING PRINCIPALS

The International Baccalaureate (IB) Middle Years Programme (MYP) emphasizes intellectual challenge.

It encourages students aged 11 to 16 to make practical connections between their studies and the real world, preparing them for success in further study and in life.

The MYP aims to develop active learners and internationally minded young people who can empathize with others and pursue lives of purpose and meaning.

The programme empowers students to inquire into a wide range of issues and ideas of significance locally, nationally and globally. The result is young people who are creative, critical and reflective thinkers.

The programme also encourages international-mindedness in IB students, starting with a foundation in their own language and culture and student develop communication skills to encourage inquiry, understanding, language acquisition, and to allow student reflection and expression



## IB MYP CURRICULUM FRAMEWORK

The programme consists of eight subject groups integrated in a framework for learning within and across the subjects. This framework helps students develop both subject-specific and interdisciplinary understanding reflecting real life and allowing students to see connections among the subjects themselves, and between the subjects and authentic issues. The framework includes:

- **Approaches to learning (ATL)**, helping students learn how to learn by developing skills for research, critical and creative thinking, communication, collaboration, and self-management
- **Key and related concepts**, helping students explore big ideas that matter
- **Global contexts**, helping students understand the relevance and importance of their study for understanding their common humanity and shared guardianship of the planet.

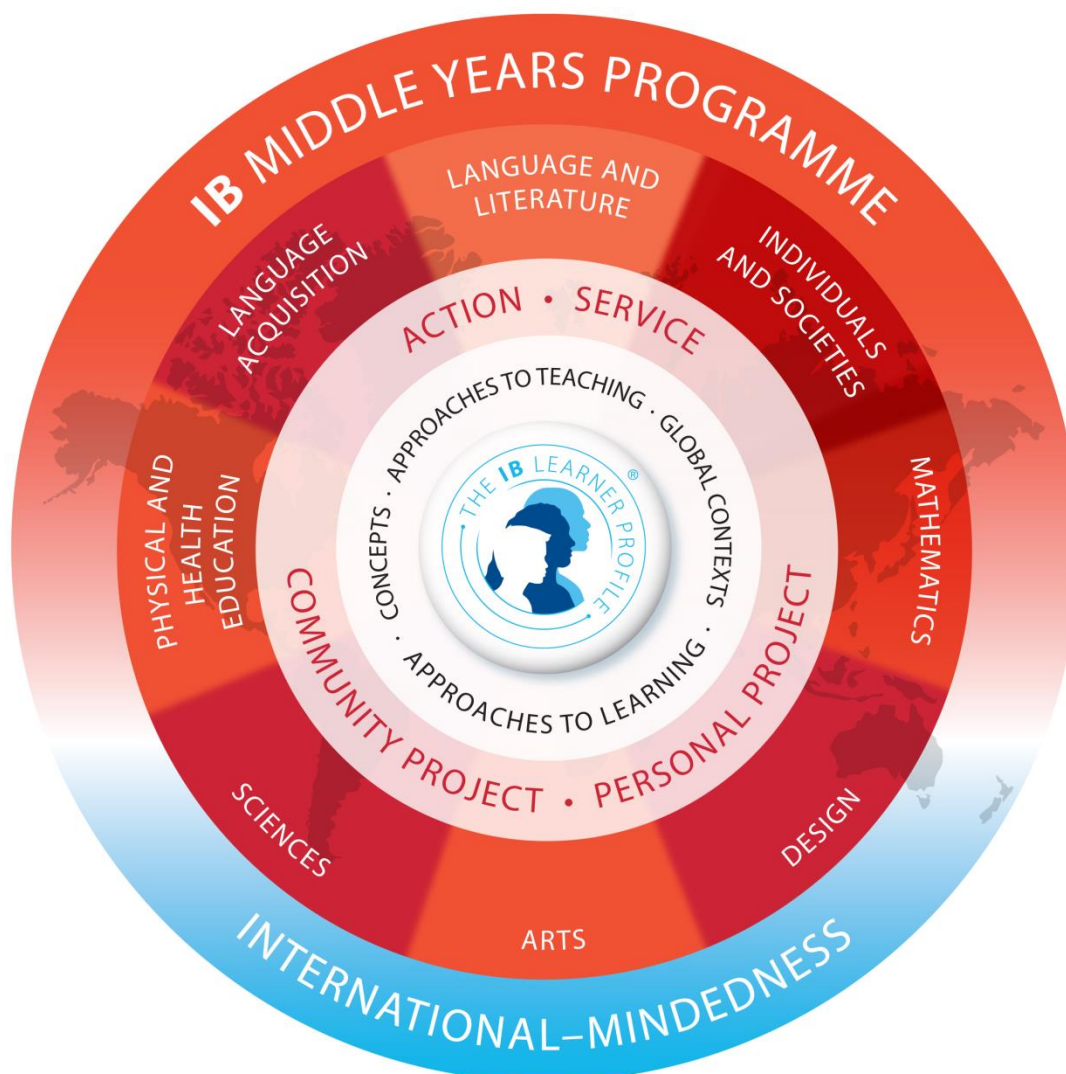
The MYP culminates in an independent learning project. Students complete a significant piece of work over an extended period of time, encouraging them to consolidate their learning and reflect on the outcomes of their work.

Students are required to study a first language (language and literature), a second language (language acquisition), individuals and societies, sciences, mathematics, arts, physical and health education and design. In the final year of the MYP, students also engage in a

personal project, which allows them to demonstrate the understandings and skills they have developed throughout the programme.

Students and parents will develop an understanding of the IB learner profile. The ten aspirational qualities of the learner profile inspire and motivate the work of teachers, students and schools, providing a statement of the aims and values of the IB and a definition of what we mean by “international-mindedness”. This helps focus the development of the whole student – physically, intellectually, emotionally and ethically.

### The IB MYP Curriculum Model



#### The MYP approach to teaching and learning

The MYP aims to help students develop their personal understanding, their emerging sense of self and responsibility in their community. Teaching and learning in the MYP is underpinned by the following concepts:

#### Teaching and learning in context

Students learn best when their learning experiences have context and are connected to their lives and their experience of the world that they have experienced. Using global contexts, MYP students develop an understanding of their common humanity and shared

guardianship of the planet through developmentally appropriate explorations of:

- identities and relationships
- personal and cultural identity
- orientations in space and time
- scientific and technical innovation
- fairness and development
- globalization and sustainability.

### **Conceptual understanding**

Concepts are big ideas that have relevance within specific disciplines and across subject areas. MYP students use concepts as a vehicle to inquire into issues and ideas of personal, local and global significance and examine knowledge holistically. The MYP prescribes sixteen key interdisciplinary concepts along with related concepts for each discipline.

### **Approaches to learning**

A unifying thread throughout all MYP subject groups, approaches to learning (ATL) provide the foundation for independent learning and encourage the application of their knowledge and skills in unfamiliar contexts. Developing and applying these social, thinking, research, communication and self management skills helps students learn how to learn.

### **Inclusion and learning diversity in MYP**

As part of the MYP curriculum, schools address differentiation within the written, taught and assessed curriculum. Schools must develop an inclusion/special educational needs (learning support) policy that explains assessment access arrangements, classroom accommodations and curriculum modification that meet individual student learning needs.

An example of a unit in a MYP class could be, a group of students in Grade 6 (MYP1) learn about pure substances and mixtures in sciences (chemistry). As part of their laboratory activities, students apply simple techniques to separate different types of mixtures, including techniques for separating impurities from water.

The skills to be developed would include:

- using simple equipment
- making straightforward observations and measurements
- drawing scientific diagrams.

The teacher could then lead the students to explore issues linked to the global contexts of fairness and development or globalization and sustainability by posing questions such as:

- How pure is pure?
- Can the energy costs involved in the production of pure substances be justified?
- Why is only a fraction of the world's water directly drinkable?
- How can we produce enough drinkable water to meet our needs?

The teacher could then use these questions as a focus for discussion, for written responses or to lead into a further topic. They provide an authentic means of looking critically at an increasingly relevant resource problem with ethical dimensions.

In addition to subject areas in the MYP octagon and described below we also deliver a Personal Social Education (PSE) curriculum. This curriculum ensures that students have



time to explore personal and social issues that affect young adolescents.

The DISV curriculum is also delivered in a way to minimise the number of concurrent subjects a student studies to enhance student focus and help their organisation. This means that in certain grades, the sciences, humanities, technology and the arts subject groups are taught in alternate semesters or in trimesters to ensure that we deliver a broad and balanced curriculum and also enable breadth and depth of study. As a school, we are committed to continually explore ways to improve our curriculum design so it best benefits our students.

A brief overview of each subject area is below.

### **LANGUAGE AND LITERATURE:**

All IB programmes value language as central to the development of critical thinking, which is essential for cultivating intercultural understanding and responsible membership in local, national and global communities. Language is integral to exploring and sustaining personal development and cultural identity, and provides an intellectual framework that supports the construction of conceptual understanding. As MYP students interact with a range of texts, they generate insight into moral, social, economic, political, cultural and environmental domains. They continually grow in their abilities to form opinions, make decisions, and reason ethically—all key attributes of an IB learner. The school offers English and German Language and Literature courses. Other Language and Literature courses can be studied privately through the schools PTL programme.

### **LANGUAGE ACQUISITION:**

The ability to communicate in a variety of modes, in more than one language, is essential to the concept of an international education. The language acquisition course provides a linguistic and academic challenge for students in order to facilitate the best possible educational experience. Students are given the opportunity to develop their language skills to their full potential, as well as the possibility of progressing through various phases (from 1 to 6) over the course of the MYP. The school language acquisition courses provision includes English, German, Spanish and French at specified phase levels.

### **INDIVIDUALS AND SOCIETIES:**

The subject encourages learners to respect and understand the world around them and equips them with the necessary skills to inquire into historical, contemporary, geographical, political, social, economic, religious, technological and cultural factors that have an impact on individuals, societies and environments. It encourages learners, both students and teachers, to consider local and global contexts. The school delivers Humanities, Geography and History courses.

### **SCIENCE:**

Scientific inquiry fosters critical and creative thinking about research and design, as well as the identification of assumptions and alternative explanations. Through MYP sciences, students will learn to appreciate and respect the ideas of others, gain good ethical-reasoning skills and further develop their sense of responsibility as members of local and global communities. The school delivers Science, Biology, Chemistry and Physics.

**DESIGN:**

The MYP uses the design cycle a way to structure inquiry and analysis of problems, development of feasible solutions, the creation of solutions, and testing and evaluation the student's solution for the design problem. In MYP design, solutions can be models, prototypes, products or systems that students have developed and created independently. The school delivers Digital and Product Design courses.

**MATHEMATICS:**

MYP mathematics aims to equip all students with the knowledge, understanding and intellectual capabilities to address further courses in mathematics, as well as to prepare those students who will use mathematics in their studies, workplaces and everyday life. Mathematics provides an important foundation for the study of sciences, engineering and technology, as well as a variety of application in other fields. The school offers Extended and Standard Mathematics.

**ARTS:**

Arts stimulate young imaginations, challenge perceptions and develop creative and analytical skills. Involvement in the arts encourages students to understand the arts in context and the cultural histories of artworks, supporting the development of an inquiring and empathetic world view. Arts challenge and enrich personal identity and build awareness of the aesthetic in a real-world context. The school delivers Drama, Music and Visual Art.

**PHYSICAL & HEALTH EDUCATION (PHE):**

Physical and health education courses foster the development of knowledge, skills and attitudes that will contribute to a student's balanced and healthy lifestyle. Through opportunities for active learning, courses in this subject group embody and promote the holistic nature of well-being. Through physical and health education, students can learn to appreciate and respect the ideas of others, and develop effective collaboration and communication skills. This subject area also offers many opportunities to build positive interpersonal relationships that can help students to develop a sense of social responsibility.

**PERSONAL SOCIAL EDUCATION (PSE):**

This course, in addition to the IB MYP, ensures that students have time to explore personal and social issues that affect young adolescents.

**TABLE OF IB MYP SUBJECTS AND TEACHING PERIODS (40 MINUTES)**

Subjects Taught	Number of Teaching Periods Per Week				
	Grade 6	Grade 7	Grade 8	Grade 9	Grade 10
English L&L or LA	5	5	5	5	5
German L&L or LA	5	5	5	5	5
French LA, Spanish LA, English Language Development (ELD) or privately taught language (PTL)	4	4	4	4	4
Mathematics	5	5	5	5	6
Science	5	5			
Biology (trimester)			5	5	7.5
Chemistry (trimester)			5	5	7.5
Physics (trimester)			5	5	7.5
Individuals and Societies	5	5	5		
Geography (semester)				4	5
History (semester)				4	5
Digital & Product Design	3	3	3	4	
Drama	3 (trimester)	3 (trimester)	3 (trimester)	3 (semester)	3 (semester)
Music	3 (trimester)	3 (trimester)	3 (trimester)		
Visual Art	3 (trimester)	3 (trimester)	3 (trimester)	3 (semester)	3 (semester)
Physical Education	3	3	3	3	3
PSE	1.5	1.5	1.5	1.5	1.5

## SERVICE AS ACTION, THROUGH COMMUNITY SERVICE

Action and service have always been shared values of the IB community. Students take action when they apply what they are learning in the classroom and beyond. IB learners strive to be caring members of the community who demonstrate a commitment to service—making a positive difference to the lives of others and to the environment. Service as action is an integral part of the programme.

In grades 6 to 10, students must participate in the Service as Action (SA) programme led by the SA Coordinator and supported by the homeroom and classroom teachers. During the programme students learn sequentially about communities as they advance through the year grades and engage in age appropriate activities that help others within our community.

The extent of involvement with the SA programme is up to the student. As they become more responsible and independent, they decide upon what constitutes an activity. We suggest a variety of activities each year in order to guide the students towards an appropriate amount of commitment.

However, the aim should be to have sustained involvement with specific projects with student participation and reflection as the key evidence that learning has taken place. The school publishes and promotes various SA activities, exchanges and trips throughout the year through the Danube Digest, student assemblies and within the wider community. Students must keep a detailed record of their participation using their service as action journal on *managebac* to record all activities and reflection.

SA is a requirement for the DISV MYP Certificate and is continued in the Diploma Programme as CAS (Community Action and Service). If a student does not show sufficient evidence of a commitment to SA then no Certificate will be awarded and the student will not be permitted to participate in the full IB Diploma Programme.

## PERSONAL PROJECT

The Personal Project (PP) is an extended, independent piece of project work completed by each student in the last year of the MYP programme (Grade 10). A successfully completed Personal Project is a requirement for entry into the Diploma Programme. Project topics may be creative or research-based, and ideally reflect an interest of the student.

Students begin the PP process in mid-August and finish in late February. The stages of the process are documented by a journal, and this process is evaluated by MYP criteria. Students are given a comprehensive Personal Project Handbook that details the process and gives examples of how to develop their project, process journal and personal statement. They are also assigned a teacher supervisor who mentors them through the processes.

After submission of the finished project, students have to create a display area for the

Personal Project Fayre. The Fayre is a celebration of project completion and takes place on an afternoon when we invite in all students as well as the wider school community so that our Personal Project students have an opportunity to demonstrate what they have learned.

## IB ASSESSMENT

Assessment is criterion-related, so students around the world are measured against pre-specified criteria for each subject group. All specified criterion relate to a clear set of learning objectives in each subject group (i.e. Learning Objective A will be measured in Criterion A). Teachers set assessment tasks that are assessed internally in the school. External checks through monitoring of assessment by IB examiners are carried out on a variety of internal assessment pieces to ensure worldwide consistency of standards. Our curriculum mapping tool *managebac* has full details of IB MYP Assessment for all current parents.

Each subject will have four assessment criteria each graded from 0 to 8 giving a maximum score of 32. However, the summative grade is recorded on a scale of 1 to 7, with 7 being the highest.

## ACADEMIC COMMUNICATION

DISV sends home a newsletter the Danube Digest via email each week that will contain academic information and calendar events. The school also uses a digital system '*managebac*' that is accessible to parents over the internet. IB MYP students have an MYP planner that is used to indicate upcoming events, homework and student concerns.

For academic concerns a parent should first contact the teacher concerned and then if concerns persist the Vice-Principal (MYP Curriculum Leader). The school has established assessment procedures for each grade level and the results are shared with parents through two semester reports (January and June) and two mid-semester reports (November and April). Parents are regularly invited into the school for information evenings and there are two individual parent teacher conferences during the school year just after the mid-semester reports.

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