



WHAT IS AN IB EDUCATION?

How HHS IB is different – and maybe even better?

IB EDUCATIONAL PHILOSOPHY

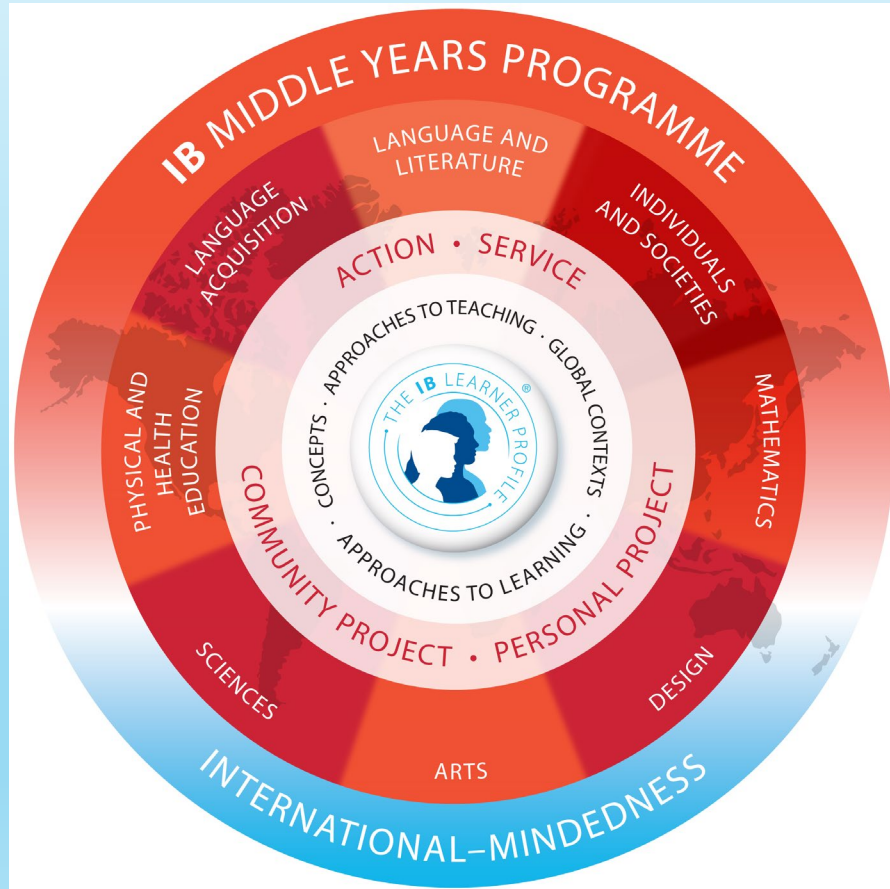


❖ **Transformative education.** Learning should change hearts and minds – and the world.

❖ **Eye on NOW and the future.** Learning content and skills to be a successful student – and to be prepared to achieve in college and beyond -- students create lifelong learning habits of mind to be leaders and innovators.

❖ **Think globally, act locally.** By looking at the “big picture” and by seeing ourselves in the context of a global society, students can understand the importance of their contributions, make connections with others, and believe that they make a difference.

EDUCATIONAL CONSISTENCY



EDUCATION THROUGH INQUIRY



- ❖ **Inquiry** model means that every unit starts with questions or a problem.
- ❖ Can be frustrating to students dependent on the teacher for “creating knowledge” for them to digest.
- ❖ Ultimately more effective in creating a lifelong learner. Students are taught “habits of mind” as well as content.
- ❖ Research skills are innately part of instruction.

5 HABITS OF MIND FOR **POWERFUL** THINKING

- ❖ Significance (why it is important)
- ❖ Perspective (what is the point of view)
- ❖ Evidence (how do you know)
- ❖ Connection (how does it apply)
- ❖ Supposition (what if it were different)



❖ <http://21centuryschools.wordpress.com/2011/06/28/5-habits-of-mind-debroah-meier/>

EDUCATION THROUGH LIBERAL ARTS



- **English 9**
- **Language:** Year 2 or 3 of Spanish or French
 - **World History** and Geography II
 - **Biology**
- **Math:** Geometry or Algebra II or AP Stats
 - **Arts:** Theatre or Visual Arts
 - **Health and PE**

- **English 10**
- **Language:** Year 3 or 4, French or Spanish
 - **US Gov and VA History**
 - **Chemistry**
- **Math:** Algebra II, Standard Math, or Extended Math
 - **Arts:** Theatre Arts or Visual Arts
 - **Health and PE**
- **Assessments & Personal Project** toward *MYP Record of Achievement*
 - **Personal Finance and Econ**

EDUCATION THROUGH LIBERAL ARTS



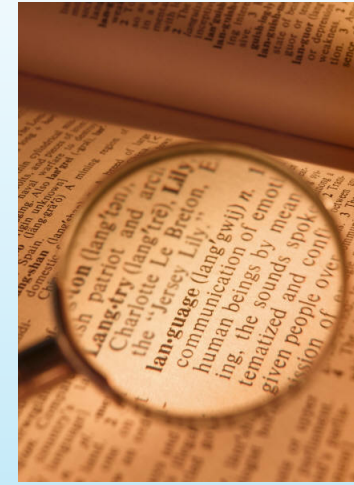
Grade 11

- Language A1: English 11, Year 1 of 2
- Language B1: Year 4 or 5, Spanish or French
 - History of the Americas, Year 1 of 2
 - Experimental Science
 - Biology, Year 1 of 2
 - Chemistry, Year 1 of 2
 - Mathematics
 - Standard or Extended Math
 - Math Analysis SL* or Math Applications SL*
 - Arts or Elective
- Psychology SL*, Theatre Arts (Yr 1 of 2), Visual Arts (Yr 1 of 2) or
 - Theory of Knowledge

Grade 12

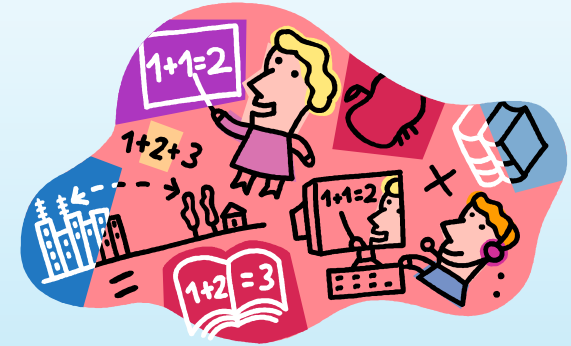
- Language A1: English 12 HL/SL, Year 2 of 2
- Language B1: Year 5 SL or 6 HL/SL, Spanish or French
 - World History Topics SL/HL, Year 2 of 2
- Experimental Science: Chemistry SL/HL or Biology SL/HL, Year 2 of 2
 - Mathematics: Math Analysis SL or Math Applications SL
- Arts or Elective: Psychology SL/HL, Theatre Arts SL/HL, Visual Arts HL/SL
 - Theory of Knowledge
- AP Electives: Physics, Calculus, Statistics, World History, Art History, Environmental Science, Biology, Chemistry, Music Theory

LANGUAGE EDUCATION



- ❖ All teachers are language teachers!
- ❖ **From our language policy:** “Language education is more than learning to speak and write in another language. *In our program, language education includes how our students must be careful “consumers” of language with an awareness of the subtleties of rhetoric and reasoning as well as how language use may differ in each academic discipline.*
- ❖ Our students receive instruction and experience in all disciplines in the art and science of written and oral communication. Finally, our program emphasizes “the social and cultural uses of language to establish identity and build relationships.”
- ❖ Communication skills that are discipline appropriate are a focus in each subject and are often one of each subject’s criteria.
- ❖ Fluency in a second language and appreciation of that language’s culture is a cornerstone of an IB education.

EDUCATION ABOUT LEARNING



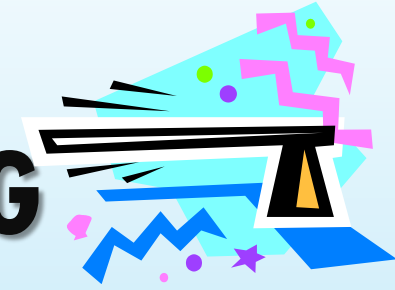
- ❖ **Approaches to learning** are an intense focus in MYP.
- ❖ Each unit offers explicit instruction in one of ten skill strands.
- ❖ Skill groups are **Thinking, Self-management, Research, Social and Communication.**
- ❖ You can see our learning skill curriculum on my blog.
- ❖ Also we have a “**Learning Tool Kit**” with suggestions and strategies for each subject on my blog.
- ❖ Metacognitive skills are essential for lifelong learning!

CHARACTER EDUCATION



- ❖ The **Learner Profile** provides a basis of behavior and a mindset to strive for.
- ❖ Instruction uses them as a focus. See my blog!
- ❖ The LP also ties into the **Approaches to Learning and CAS.**

ACTION AND SERVICE LEARNING



- ❖ IB wants students to see their education as a springboard toward right and meaningful action in the world.
- ❖ They have identified **Learner Outcomes** or non-cognitive skills that build successful people: increasing awareness of your own strengths and areas for growth, undertaking new challenges, planning and initiating activities, working collaboratively with others, showing perseverance and commitment in your activities, engaging with issues of global importance, considering the ethical implications of your actions, developing new skills
- ❖ Action and Service (formerly Community and Service) in MYP, Service Learning in CP, and Creativity, Activity, and Service in DP give students the opportunity to be involved in their schools and communities as well as reflect on WHY they are and WHAT THEY ARE LEARNING from those experiences.

GLOBAL EDUCATION



- ❖ Each MYP unit is framed in a Global Context: **Identities and Relationships, Orientation in Space and Time, Personal and Cultural Expression, Scientific and Technical Innovation, Globalization and Sustainability, Fairness and Development.** Each DP unit has an international focus.
- ❖ International-mindedness is more than food, flags and festivals.
- ❖ Globalism embraces the idea that we are all citizens of the planet who share a common humanity. As fellow humans, we face similar struggles and have similar aspirations, although our time and place may dictate those struggles or limit our aspirations.
- ❖ Instruction is geared to teach students to be open-minded and tolerant of differences and to seek common ground.

NO SUMMER SCHOOL REQUIRED!!

- **NO NEED FOR SUMMER PE.** IBMYP PE is an honors credit. Summer PE is not. We also cannot guarantee any course not in our IB schedule will be compatible or available in that open slot.
- **YOU MAY NOT TAKE ALGEBRA 2 IN SUMMER SCHOOL!!** It is not the same course, and you would be at a terrible disadvantage in the next course, not having had all the content you need!!
- If you just *MUST* take a summer course, you may take the following in summer school :
 - **Geometry** to “get ahead,” enabling you to take Calculus as a senior, if you wish
 - **Personal Finance and Economics** to get it out of the way. The course through Longwood University is even an honors credit. The HCPS course is available for free as an 8th course during sophomore year.

CULMINATING PROJECT: MYP



❖ Personal Project

- ❖ Starts in spring of grade 9
- ❖ Starts with student's personal knowledge and interests, grows through research, and is accomplished through planning, evaluating, and perseverance.
- ❖ Most projects finished over the summer and all are done by October.
- ❖ Report writing is directed through English class and through seminar.
- ❖ Support through supervisor, Schoology, 9th and 10th grade English teachers, and me
- ❖ Finishes with turn in January and PP Fair in March.

CULMINATING PROJECT: DP



The extended essay is

- ❖ compulsory for all Diploma Candidates
- ❖ 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
- ❖ a piece of independent research/investigation on a topic chosen by the student in cooperation with a supervisor in the school
- ❖ chosen from the list of approved Diploma Program subjects, published in the *Handbook of Procedures*
- ❖ presented as a formal piece of scholarship containing no more than 4,000 words
- ❖ the result of approximately 40 hours of work by the student
- ❖ Starts in February of junior year and ends in November of senior year

MAINTAINING GOOD STANDING



Academic Integrity

Malpractice or infringement rather than cheating

- Result not intent
- Suspicions with strong supporting evidence are documented through office referral

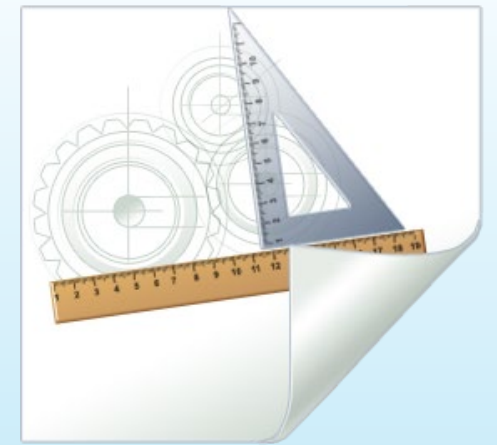
Behavior is important too!

Grades

Must maintain a 73% average in each class

- To progress into the Diploma Program and to go from year 1 to year 2 in the DP
- To sit for an exam

EDUCATION THROUGH ASSESSMENT



- ❖ Assessment is a larger concept than test or project.
- ❖ It speaks to the purpose – assessing student growth. Tests, quizzes, projects, presentations or essays are strategies for measuring growth.
- ❖ IB assessment is **CRITERION BASED** . In MYP, each subject has four criteria with a maximum matrix of 8 points for achievement. In DP, each subject has its own rubrics.
- ❖ Our rule: No more than 2 due dates/tests per day.

EXAMPLES OF CRITERIA: MYP HISTORY



Criterion A: Knowing and understanding (**Maximum: 8**)

At the end of year 5, students should be able to use a wide range of terminology in context and demonstrate knowledge and understanding of subject-specific content and concepts through developed descriptions, explanations and examples.

Achievement level

Level descriptor

- 0 The student does not reach a standard described by any of the descriptors below.
- 1–2 The student uses **limited** relevant terminology or demonstrates **basic** knowledge and understanding of content and concepts with **minimal** descriptions and/or examples.
- 3–4 The student uses **some** terminology **accurately** and **appropriately** and demonstrates **adequate** knowledge and understanding of content and concepts through **satisfactory** descriptions, explanations and examples.
- 5–6 The student uses a **range** of terminology **accurately** and **appropriately** and demonstrates **substantial** knowledge and understanding of content and concepts through **accurate** descriptions, explanations and examples.
- 7–8 The student **consistently** uses **a wide range** of terminology **effectively** and demonstrates **detailed** knowledge and understanding of content and concepts through **thorough, accurate** descriptions, explanations and examples.

EXAMPLES OF CRITERIA: DP TOK



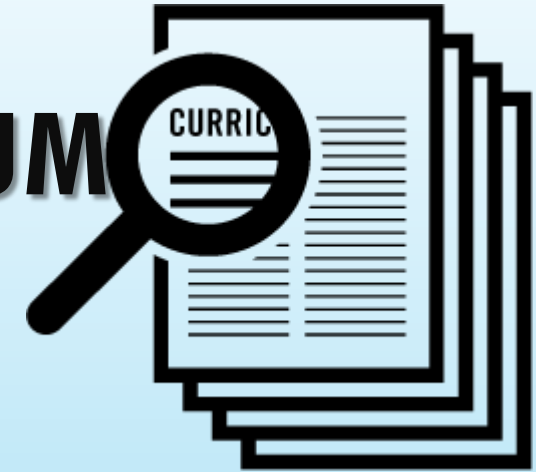
Quality of analysis of knowledge questions	Arguments are clear, supported by real-life examples and are effectively evaluated; counterclaims are extensively explored; implications are drawn.	Arguments are clear, supported by real-life examples and are evaluated; some counterclaims are identified and explored.	Some arguments are clear and supported by examples ; some counterclaims are identified.	Arguments are offered but are unclear and/or not supported by effective examples .	Assertions are offered but are not supported.
Some possible characteristics					
	Cogent Accomplished Discerning Individual Lucid Insightful Compelling	Pertinent Relevant Thoughtful Analytical Organized Credible Coherent	Typical Acceptable Mainstream Adequate Competent	Underdeveloped Basic Superficial Derivative Rudimentary Limited	Ineffective Descriptive Incoherent Formless

CRITERION SCORE TO GRADE



- ❖ Teachers assess student work, awarding a criterion score.
- ❖ There may be more than one criterion per assignment.
- ❖ By departments, teachers have decided on a conversion to an HCPS percentage.
- ❖ Thus, a 4/8 is NOT a 50% or F. **It is satisfactory or a C.** Assignment of the HCPS grade is therefore not mathematical but based on an equivalent grade.
- ❖ **Not all work is assessed with the IB rubrics.**

DIPLOMA PROGRAM CURRICULUM



Standard Level

- ❖ All juniors start at this level
- ❖ Most courses are two years of study. Only two may be one year.
- ❖ Students may have two one year SL's in their program. We offer a one or two year in psychology.
- ❖ Math courses are only offered at the standard level as one year courses.
- ❖ Advanced, college level curriculum
- ❖ Rigorous internal assessments and exams

Higher Level

- ❖ Seniors must choose three courses at which to examine at the higher level. Three exams must be standard level.
- ❖ Must be two years of study
- ❖ All courses but math may examine either at the higher level or standard level, depending on the student's needs. Maths are ONLY standard level.
- ❖ Advanced additional material included for in-depth study for the higher level exam.
- ❖ Rigorous internal assessments and exams

IB EXAMS – IB DIPLOMA

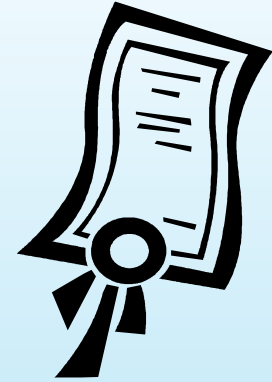


- Exams are at two levels: **Higher** (2 year course) or **Standard** (1 or 2 year course)
- Must examine in at least **3 Higher Level** or 2-year courses and **3 Standard Level** courses, 2 of which may be one-year courses for Diploma
- Math Analysis and Math Applications are **ONLY** offered as one year SL
- Other courses offer a choice
 - English – SL or HL (two year course)
 - History – SL or HL (two year course— History of the Americas and World History Topics)
 - Theatre Arts – SL or HL (two year course)
 - Visual Arts – SL or HL (two year course)
 - Language – SL or HL (two year course)
 - Psychology – SL or HL (one or two years. One year= SL; Two years = HL or SL)
 - Sciences – SL or HL (two year course)

EXAMS ARE PAID FOR BY HENRICO COUNTY!



ACHIEVING THE IB DIPLOMA



IB Diploma is earned in addition to the Virginia Diploma and is awarded in July with a ceremony in December/January.

- ❖ Must have submitted CAS, TOK, and EE (and can earn points)
- ❖ If student passes both TOK and EE, may achieve with 24 of 42 possible points
- ❖ 12 of the 24 points must be in Higher Level
- ❖ At least 9 points must be earned at the Standard Level
- ❖ Extra points (up to 3) earned through the core in the extended essay and Theory of Knowledge.

EXPERIENCE MATTERS!



Experience has enabled our program to create a consistent culture of achievement. Our program is a leader in Virginia and the world. In the latest study:

- In Virginia, the average DP subject grade was a 4.3. **Our average score was a 4.81.**
- Worldwide, the average score was 4.8. **Our average score was a 4.86**
- The state average of points to achieve the diploma was 28. **Our average diploma score was a 30.**
- The average diploma score worldwide was 30. **Our average score was 30.**
- Statewide, the exam pass rate average for subjects was 73.93%. Worldwide average is similar. **Our average pass rate was 79.9% with a five year average of 85.5%.** Twelve of our 19 subjects exceed 90% pass rate
- The worldwide diploma achievement rate is around the 50th percentile. **Our average over the last five years is 88%** with the highest achievement rate in 2011 and 2015 of 93% of our Diploma Candidates achieving the IB Diploma.

SHOW ME THE MONEY!!

In 12 years, 915 Henrico IB graduates have had offers worth

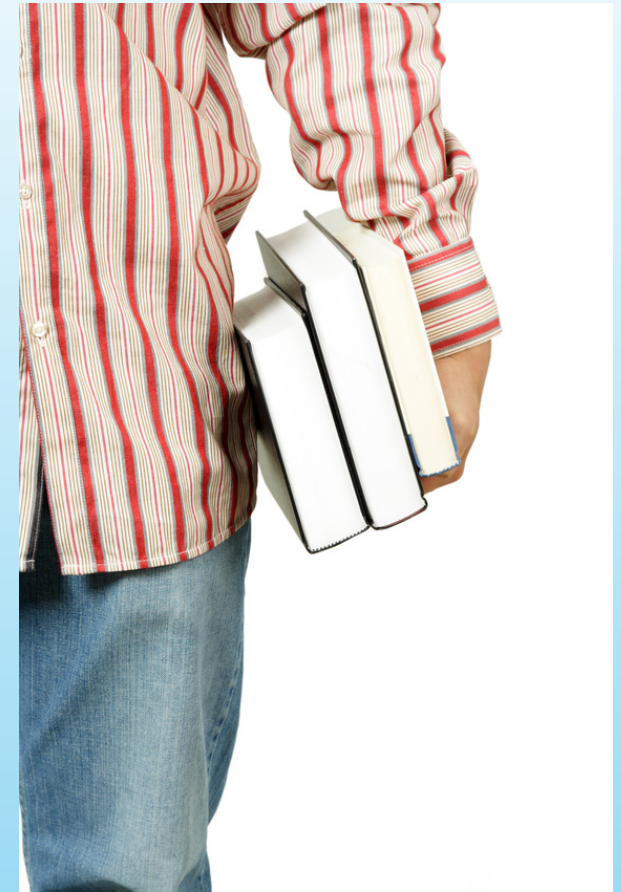
\$90,000,000.



BENEFITS OF AN IB EDUCATION

Preparation for College

- Breadth as well as depth
 - Learning over grades
- Independent learning skills
 - Critical thinking skills
 - Time management skills
- Integration of knowledge
 - Research skills
 - Writing Skills
 - Second Language
- Pattern of involvement



BENEFITS OF AN IB EDUCATION

Preparation for life

- Non-cognitive skills from *experiential learning*
 - Perseverance
 - Organization
 - How to ask questions to get results
 - Confidence to try new things
 - Working with others
 - Tolerance of new people and experiences
 - Ambition for self-improvement



BENEFITS OF AN IB EDUCATION

College credit

- **Icing on the cake** – not the reason for an IB education!!
- Credit awarded **depends on the school**
- Visit each college website for more information
 - Some, like Virginia Tech, are generous with credit; others, like UVa, are not.
- **Advanced placement without credit may be negotiated so that students can start at a higher level, regardless of credit.**
- **IB is equal to or greater than AP in terms of college preparation. So, don't worry about whether your child is taking AP courses. Seniors do have openings for AP courses in addition to IB in their senior year.**



TECH SUPPORT FOR YOU AND YOUR CHILD

Teachers

- Schoology
- PowerSchool
- **ManageBac**
 - Email
 - Tutoring
- Google drive
- **Turnitin.com**



Program and School

- Seminar
 - Blog
- <http://blogs.henrico.k12.va.us/henricoib/>
- School web site
 - Sports, library, and counseling web sites
 - Schoology
 - PowerSchool
 - **ManageBac**
 - **Turnitin.com**

COUNSELING

▪ Counseling – Ms. Terry and Ms. Sin

- Learning and study skill advice
- Personal issues
- Coordination of parent/teacher conferences, 504 and IEP's
- Course selection
- College advice, application preparation, scholarship search



TRANSPORTATION



Old Process is New Again!!

- ❖ Even if you plan to bring your child to school, it is good to register “just in case.”
- ❖ Everyone gets transportation! House to Hub and Hub to HHS.
- ❖ Turn in the form with your acceptance and course registration.

THANK YOU!



thank you!