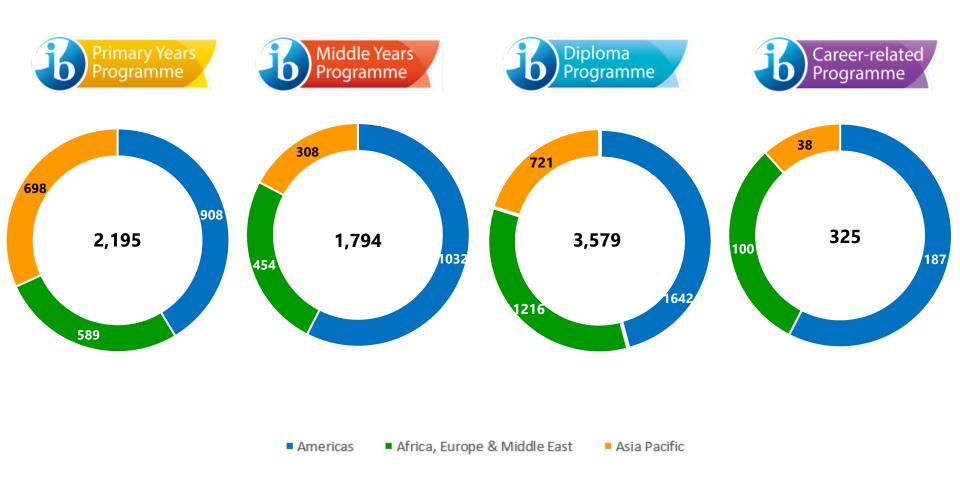


A Career-related Programme (CP) 101

Mid-Atlantic Association of IB Schools (IBMA)
September 13, 2024

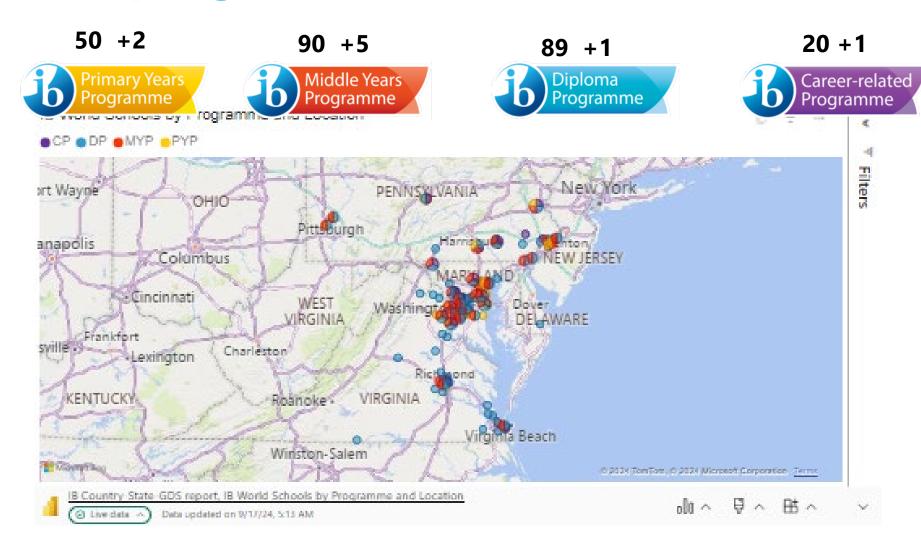


Global implemented programmes





Our programmes in IBMA





CP in Numbers (Global)

Data retrieved, 3 September 2024

Total CP Schools

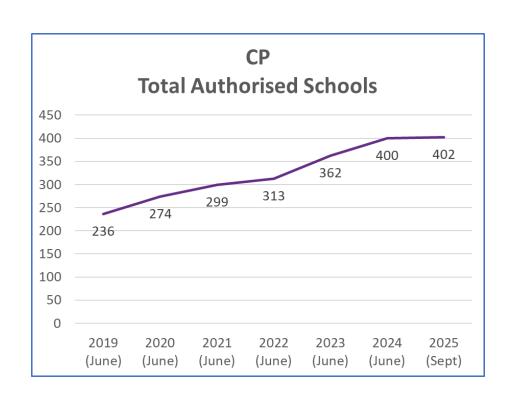
402

Average annual growth (last 5 years)

11%

Total newly Authorized schools in last five years

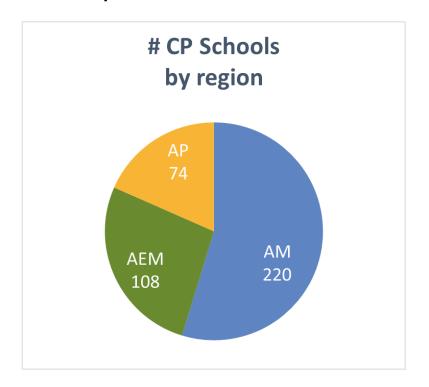
218

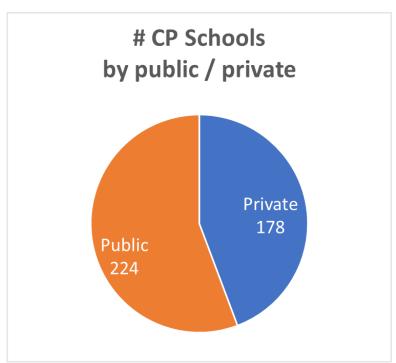




CP schools: 402

Data retrieved, 3 September 2024







The CP in IBMA is growing!



District	School Name	City	State	Year authorized
FAIRFAX COUNTY PUBLIC SCHOOLS	Mount Vernon High School	Alexandria	VA	2012
FAIRFAX COUNTY PUBLIC SCHOOLS	South Lakes High School	Reston	VA	2012
FALLS CHURCH CITY PUBLIC SCHOOLS	Meridian High School	Falls Church	VA	2023
HENRICO COUNTY PUBLIC SCHOOLS	Henrico High School	Richmond	VA	2021
NORFOLK PUBLIC SCHOOLS	Granby High School	Norfolk	VA	Canadate
PRINCE WILLIAM COUNTY PUBLIC SCHOOLS	Unity Reed High School	Manassas	VA	2017
PRINCE WILLIAM COUNTY PUBLIC SCHOOLS	Gar-Field Senior High School	Woodbridge	VA	2015
VIRGINIA BEACH CITY PUBLIC SCHOOLS	Green Run Collegiate	Virginia Beach	VA	2015

The CP in IBMA is growing!



District	School Name	City	State	Year authorized
ANNE ARUNDEL COUNTY PUBLIC SCHOOLS	Annapolis High School	Annapolis	MD	2021
ANNE ARUNDEL COUNTY PUBLIC SCHOOLS	Old Mill High School	Millersville	MD	2021
ANNE ARUNDEL COUNTY PUBLIC SCHOOLS	Meade Senior High School	Ft Meade	MD	2021
BALTIMORE COUNTY PUBLIC SCHOOLS	New Town High School	Owings Mills	MD	2020
MONTGOMERY COUNTY PUBLIC SCHOOLS	Rockville High School	Rockville	MD	2012
MONTGOMERY COUNTY PUBLIC SCHOOLS	Seneca Valley High School	Germantown	MD	2020
MONTGOMERY COUNTY PUBLIC SCHOOLS	Watkins Mill High School	Gaithersburg	MD	2012
WASHINGTON COUNTY PUBLIC SCHOOLS	North Hagerstown High School	Hagerstown	MD	2019

The CP in IBMA is growing!



District		School Name	City	State	Year authorized	Standalone CP
Lehigh Valley A	Bethlehem	PA	2018			
Plymouth Whitemarch High School			Plymouth Meeting	PA	2020	
York Co.	York County School of Technology		York	PA	2018	YES
DISTRICT OF COLUMBIA CHARTER SCHOOL BO	Washington	DC	2018			
Girls Global Academy			Washington	DC	2022	YES

CP overview

- Flexible framework for a personalized education, designed for students interested in pursuing career-related education in the final two years of secondary school.
- Provides them with an excellent foundation to support further studies, as well as ensure preparedness for success in the workforce.
- Three-part framework comprises the study of at least two IB Diploma Programme (DP) courses alongside the distinctive CP core and a career-related study.



The value of CP

The programme seeks to bridge the gap between academic and career-related education:

- Educational reform in many countries has sought to meet the expectations of employers.
- It is understood that the gap between workforce needs, and the skills of graduates entering the workforce, needed adjustment and narrowing.



The CP curriculum model

CAREER-RELATED PROGRAMMA CAREER-RELATED STUDIES G REFLECTIVE PROJECT

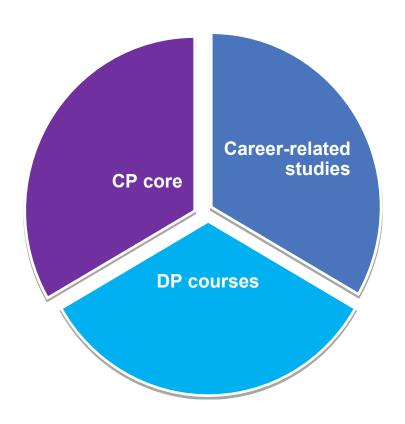
ANGUAGE

REPROACHES TO TEACHING

REPROPROACHES TO TEA SERVICE LEARNING PROACHES TO LEARNING PHOACHES TO LEARNING SKILLS ONAL AND PROFESSIONAL SKILL ON A PROGRAMME COURSES NIERNATIONAL-MINDEDNESS



Structure of the CP



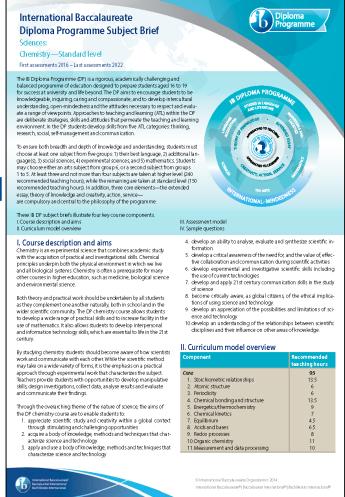
The CP is a three-part educational framework that consists of:

- 1. Academic coursework from the Diploma Programme (DP)
- 2. The CP core, where students develop professional skills, engage with language development, complete a service-learning engagement and produce a reflective project on their CP experience
- 3. Career-related studies, where students gain real-world experience in a chosen career field



DP subjects

- Students complete at least two DP courses in <u>any</u> of subject groups at SL or HL.
- SL and HL courses differ in scope but are measured according to the same grade descriptors, with students expected to demonstrate a greater body of knowledge, understanding and skills at higher level.
- DP courses provide and enhance the theoretical underpinnings and academic rigor of the CP.
- Standard level subjects take up 150 teaching hours. Higher level comprises 240 teaching hours.



The CP Core (4)

(one course and three compulsory components *all updated)



*Personal and professional skills course

Conceptual designed for students to develop attitudes, skills and strategies to be applied to personal and professional life now and in the future.

*Reflective project

An in-depth body of work where students identify, analyze, critically discuss and evaluate an ethical issue arising from the workplace.



<u>Language development (*Language and cultural studies)</u>

This component encourages students to further their understanding of the wider world through language and cultural studies.



Service learning (*Community engagement)

In a research-based approach, students undertake an engagement utilizing skills, understanding and values developed from their studies.



Sample Student Schedules

Sample Student Schedule Overview

	Grade 9	Grade 10	CP 11	CP 12
NC Future Ready Core	English 9 Language B World History Earth Science Math 1 HPE Arts Elective	English 10 Language B Civics & Economics Biology Math 2 Arts Elective Elective	American History I a Physical Science Math 3 Electives (1-2)	American History II 4th Math Electives (2)
CP Core (90//50/50/50)			(with Language Develop	& Professional Skills oment, Service Learning, ive Project)
CRS	Complete required course for future CRS		CRS Course 2	CRS Course 3
DR Courses			11028X0 IB Englis	h A: Lang & Lit SL
DP Courses			DP Elective (opt)	DP Elective(CRS)

https://www.wcpss.net/site/Default.aspx?PageID=41424 Garner Magnet High School, WCPS, 02/27/2023



Sample Student Schedules

Sample Student Schedule Detail | Engineering and Design Career-related Study*

*Requires successful completion of TE11 Technology Engineering & Design in the 9th or 10th grade.

	Grade 11	Grade 12				
IBCP	Ol008X0 Personal & Professional Skills (with Language Development, Service Learning, and Reflective Project)					
CRS	TE13 Engineering Design OR TE12 Technological Design	CS95 CTE Advanced Studies OR TE13 Engineering Design				
IRDD	11028X0 IB English Lang	guage and Literature SL				
IBDP	Optional DP Elective*	31068X0 IB Design Technology SL				
	NC Math 3 OR 4th Math	4th Math OR Math elective				
NC FDC	American History I	American History II				
NC-FRC	Physical Science OR Science Elective	Science Elective				
	Elective	Elective				

https://www.wcpss.net/site/Default.aspx?PageID=41424 Garner Magnet High School, WCPS, 02/27/2023



Sample Student Schedules

Sample Student Schedule Detail | Health Sciences Career-related Study*

*Requires successful completion of TE11 Technology Engineering & Design in the 9th or 10th grade.

	Grade 11	Grade 12			
IBCP		& Professional Skills vice Learning, and Reflective Project)			
CRS	HU42 Health Science 2 HB11 Biomedical Technology				
IBDP	11028X0 IB English Lang	nguage and Literature SL			
IBUP	Optional DP Elective*	31088X0 IB Sports Exercise and Health Science SL			
	NC Math 3 OR 4th Math	4th Math OR Math elective			
NC-FRC	American History I	American History II			
NC-FRC	Physical Science OR Science Elective	Science Elective			
	Elective	Elective			

https://www.wcpss.net/site/Default.aspx?PageID=41424 Garner Magnet High School, WCPS, 02/27/2023



Personal and Professional Skills



Matthew Mathison
Principal
Gar-Field High School

"I would argue every student should take PPS before they graduate. PPS is a fantastic course for any student because it explicitly teaches transferable skills that are essential to college and career success post high school."



Career-related study



"McKinsey suggests that career-related education is creating significant benefits for students and that the reputation of career-related study is undergoing improvement."

- Career-related studies are offered and awarded by the school or an outside pathway provider
- Through career-related studies, students are provided with practical, real-world approaches to learning, designed to prepare them for higher education, an internship or apprenticeship or even a job.
- It also provides the opportunities for students to learn about theories and concepts through application and practice while developing skills in authentic and meaningful contexts.



CRS criteria

Criteria	Explanation
1. Delivery of the CP	The Career-related study is part of the student timetable during the two year period of the CP.
2. Accreditation/recognition	 The CRS and assessment plan MUST be accredited/recognized by one (or more) of these: a government body, an awarding body, an appropriate employer organization or a professional body, or a further/higher education institution.
3. Quality assurance	The CRS is subject to a demonstrable form of external quality assurance.



Top 5 Career-related study areas











Career-related study samples from IBMA

Accounting

Air Force JROTC

Architectural Drawing and Design

Automotive Technology

Business Management and Finance

Career Readiness

Career Research and Development

Carpentry
Child Development

CISCO (computer programming)

Code.org

CompTia A+ Certification + AP Computer Science

Computer Graphics

Computer Information Systems

Computer Science

Construction Electricity

Construction and Development

Construction Management

Cybersecurity

Foundations of Building and Construction Technology
Health Professions

Design Technology

Engineering Strand

Food and Beverage Management

Food/Nutrition

Health Sciences

Hospitality and Tourism Management

Interactive Media Production

Marketing

Microsoft Certificate

Multimedia Design
Emergency Medical Technician
Marketing
Military Science

Navy JROTC

PBS Student Reporting Lab

PLTW: Biomedical, Engineering

Sports Medicine and Athletic Training

Teaching

Technical Drawing

Visual/Digital arts



The CP assessment model





CP award criteria

- The candidate has completed the specified career-related study.
- The candidate has been awarded a grade 3 or more in at least two of the Diploma Programme courses registered for the Career-related Programme.
- The candidate has been awarded a grade of at least D for the Reflective project.
- Personal and professional skills, Service learning and Language Development requirements have been met.
- The candidate has not received a penalty for academic misconduct. All candidates will receive programme results detailing their level of achievement in the Diploma Programme courses and the reflective project along with the status of completion of the Career-related Programme core.



CP and assessment, 2024

1. The assessed elements of the CP:

- ✓ Reflective project (internally assessed, externally moderated)
- ✓ DP subjects (minimum 2)
 - Most popular subjects for CP students: English literature English language and literature •
 Maths History Psychology Business management Biology

2. What issues are our students exploring?

Should wage difference between genders in sports be morally acceptable?

Should the film industry be held accountable for perpetuating harmful, unrealistic beauty standards?

Is it ethical for businesses to replace human employees with AI?

Should companies be allowed to advertise junk food during children's TV programmes?

3. RP statistics

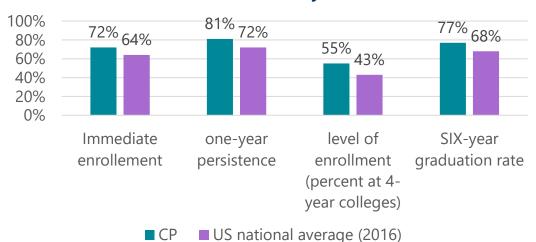
Session	Eng	French	Spa
MAY 2024	6470	16	1323
MAY 2023	3787	11	985
MAY 2022	4091	11	789
Session	Eng	French	Spa
NOV 2024	67	0	14
NOV 2023	71	0	34
NOV 2022	67	0	26

M24 mean grade = C and 20.10 marks



US Enrollment and Retention Data

Immediate enrollment, persistence, and preference for four-year over twoyear colleges were all higher for CP graduates than for all US graduates nationally



Overall, once CP graduates enrolled, almost all (81%) return for their sophomore year, which is 9 percentage points higher than the national average (72% in 2016).



CP and 16+ Review

Connections:



Programme-level innovation

- CP is part of comprehensive review of IB's offer for young people ages 16-19
- Development work rooted in seven goals for transformation including commitments related to well-being, agency, workload and greater diversity of perspectives.
- Educator update planned for early 2025

Learning from / building on the CP experience

- Designs of 2025 CP core central to discussions on the future of 16+ cores
- Understanding and navigating complexity and interdependence
- "Positive" paradigm: all involvement in DP/CP experiences and aspirations for postsecondary are valid

On the horizon

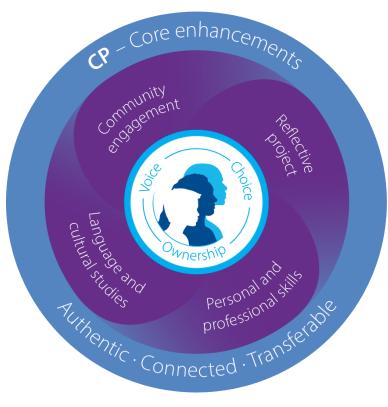
- Richer, "portfolio-style" transcripting, including the potential to highlight welldefined interests or emerging specialization
- Strengthening the career-related focus; exploring new structures' value for CP students

Curriculum development - CP Core enhancements

Simultaneous and synergistic review of all four CP core components

Focus

- More explicit links among the core components
- Stronger philosophical and pedagogical underpinnings
- Clearer focus on ethics, reflection/reflexivity, inquiry and conceptual understanding
- Revised requirements to support pedagogically sound implementation





CP core enhancements for 2025: next steps

2024

- Guide and TSM production
- Workshop development for all core components: Upskilling, SSS, Cat. 1, Cat. 2
- IBEN Upskilling: September 2024
- Final curriculum review reports to teachers: September 2024

2025

- Guide publication: February 2025
- **SSS**: February April 2025
- TSM publication: April 2025
- Cat. 1 and Cat. 2 workshops: April 2025 onwards
- First teaching: August 2025

CP and IB professional development

Product type	Purpose	Modality	Expected delivery date
Upskilling	Provides CP workshop leaders with training on updates to the new/revised core components	Online (facilitated)	September 2024
eLearning resource			December 2024/January 2025
Subject Specific Seminar (SSS)	Provides experienced CP educators an opportunity to engage deeply on the key changes to the core components including the rationale behind these changes.	Face to face, virtual and online	February 2025 – April 2025
Category 1	Provides new CP educators with information on the expectations of the core components with a focus on IB philosophy and implementation	Face to face, virtual and online	April 2025
Category 2	Provides experienced CP educators with an enhanced engagement into the core components	Face to face, virtual and online	April 2025

PD for all CP components in progress
Reflective project
Personal and Professional Skills
Language and Cultural Studies (LD*)
Community Engagement (SL*)



CP in the News

Wider recognition for the CP:

- 3 Universities in IBNA recognizing the CP: Bishop's University, Quebec, Saint Mary's University, Halifax, Arizona State University
- Legislation was enacted in Oregon for January of 2025 recognizing the CP as an alternative pathway for graduation for a state diploma
- Invitation from <u>ASU/GSV India</u> to speak on a panel for "reimagining high schools" to the IB & ASU (February 2025)
- Current CPs in Arizona are linking CRS pathways to advanced manufacturing jobs linked to new federal investments in chip manufacturing

Strategic partnerships for CRS options

Accelerate ASU & IB

An innovative educational framework that provides students with an excellent foundation to support their further studies and specialized training and ensure their success in the workforce.



ASU Mastery Certificates

Choose from a wide variety of first-year, general education courses, including STEM and Humanities, as well as Mastery Certificate pathways including Google IT and many others



Customizable Pathways

High school partners have the ability to use ASU's Universal Learner Course catalog to create a customized certificate pathway for their students. Our team will help your school determine the best courses for your students and community.



Ease of implementation

Adopting Accelerate ASU is simpler and faster than typical dual enrollment options — your school can offer college credit without increasing teacher workload while using existing faculty.



CP subject registrations

< Back to report	GRO	UP - C	P TOP 1	0 SUBJI	ECTS B	Y NO. OF	SUBJE	CT REG
Subject	2017	2018	2019	2020	2021	2022	2023	2024
BIOLOGY HL	36	28	29	45	32	34	41	74
BUS MAN SL	63	62	65	69	69	43	91	122
CHEMISTRY SL	12	23	24	31	33	14	22	68
ENGLISH A LAL HL	54	51	48	84	91	142	128	235
ENGLISH A LAL SL	7	5	3	8	3	51	46	118
ENV. AND SOC. SL	27	44	59	64	54	55	53	136
HISTORY HL	64	69	68	106	64	132	79	172
HISTORY SL	7	14	8	11	22	14	41	81
MATH APPS SL					58	81	74	172
PSYCHOLOGY SL	46	19	14	44	27	56	57	75





Costs



		CP within DP (10k start-up estimate)	CP standalone (35k start-up estimate)
Year of consideration	ONE-TIME Authorization services fee*	\$8,500*	\$4000
Year 1	Candidacy, consultation and authorization services Y1 fee	(PAID)	\$9500
	Minimum Training Costs: CP Coordinator + 2 IB DP of Professional Skills teacher + Reflective Professional Skills + Reflective Professional Skills + Reflective Professional Skills + Reflective Professional Skills + Reflective Professional Skil		Personal and
Year 2	Annual school fee (Post authorization)	\$1,610*	\$9500
	Annual school fee for CP Standalone		\$9240 (Y3)
Year 7	DP-CP Combined Evaluation Visit (Every 5 years)	\$5,500	
Subject fees	per subject per candidate (2 subject minimum)	\$123 (\$246)	
Credits	Credit vouchers are available for two online workshops	(IB provided) +\$900	



*All fees are in \$USD and are subject to change.



Thank you!

Jonathan.Bradley@ibo.org 301-202-3077



