

# Global Competence, National Foundations: IB and BNCC in Action

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# To start

Are you familiar with IB?

Are you familiar with BNCC?



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# Let's talk about IB

A world-renowned education certificate offered in more than 150 countries. It's designed to align with students' unique characteristics and preferences. It offers a balanced curriculum encompassing two languages, mathematics, humanities, natural sciences, and arts/free choice.



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# Let's talk about BNCC

The Common National Curriculum Base (BNCC) is a normative document that defines the organic and progressive set of essential learning that all students must develop throughout the stages and modalities of Basic Education within the Brazilian Federal Department for Education guidelines.

Prescribed topics for each area.



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# In theory

Academic Topics should not be planned according to a rigid formula within discrete subjects but rather focus on knowledge Areas/Themes.

*The following subject areas are Compulsory throughout the 3 years BNCC programme*

Language (Portuguese and English)

Math (Math and Computer Science)

*All subjects are compulsory within the 3-year BNCC program, with all knowledge areas being mandatory*

Natural Sciences (Chemistry, Physics, Biology, ESS)

Human Sciences (History, Geography, Philosophy, Sociology)

Language and its technology (including The Arts, PE)

*Recommended*

Professionalization of all learners through Career development and specific hands-on experiential learning.



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- Alongside the three core subjects, all subjects are mandatory at certain points, depending on the school's social context and student requirements.
- The school decides when and how the nonpermanent subjects are delivered.
- This means pupils' curriculum is organized by area. Over 8 years of EM, they should have lessons in all 5 areas, but the focus on each subject may vary (e.g., 8 months of History, 7 months of Geography or combined by theme).





# From the BNCC

Essa nova estrutura do Ensino Médio, além de ratificar a organização por áreas do conhecimento – sem desconsiderar, mas também sem fazer referência direta a todos os componentes que compunham o currículo dessa etapa –, prevê a oferta de variados itinerários formativos, seja para o aprofundamento acadêmico em uma ou mais áreas do conhecimento, seja para a formação técnica e profissional. Essa estrutura adota a flexibilidade como princípio de organização curricular, o que permite a construção de currículos e propostas pedagógicas que atendam mais adequadamente às especificidades locais e à multiplicidade de interesses dos estudantes, estimulando o exercício do protagonismo juvenil e fortalecendo o desenvolvimento de seus projetos de vida. (BNCC, p. 470)



# In theory: both programs have synergy

## Formação Geral Básica (BNCC)

### 3 year Compulsory subjects

Language (Portuguese and English)

Maths (Computing)

### All Subjects are Compulsory at some point during EM

Natural Science (Chemistry, Physics, Biology)

Human Science (History, Geography, Philosophy and Sociology)

1. Language (MAD and PE)

### Recommended

2. Computing (linguagem matemática)

Professionalization - Careers (Business and Economics)

IB

### Compulsory for all IB pupils

Group 1 / 2: Language and Literature  
(Portuguese and English)

Group 5: Mathematics

### Pupils choose from at least one Subject in following areas

Group 3: Individuals and Society

Group 4: Sciences

Group 6: Arts or Groups 2 to 5

ToK / CAS / EE





# In theory: both programs have synergy

## IB

3 Higher Level Subjects - at least 240 teaching hours/each subject over 2 years

3 Standard Level Subjects - at least 150 teaching hour/each subject over 2 years

Theory of Knowledge = at least 100 hours of class time over 2 years

Extended Essay = 50 hours over 12 months.

CAS = 150 hours (3 x 50) over 18 months.

$(240 \times 3) + (150 \times 3) + 100 + 50 + 150 = \mathbf{1470}$  hours (2 years)

## BNCC

### **3,000 h in 3 years**

2,400 hours must be allocated to the Basic General Education (FGB), which includes Portuguese, English, arts, physical education, mathematics, natural sciences (biology, physics, chemistry), and human sciences (philosophy, geography, history, sociology).

The minimum workload for the pathways will be 600 hours. All schools must offer, at a minimum, two formative pathways.

Teaching lessons/hour recommended



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# Youth Protagonism and Curriculum Organisation

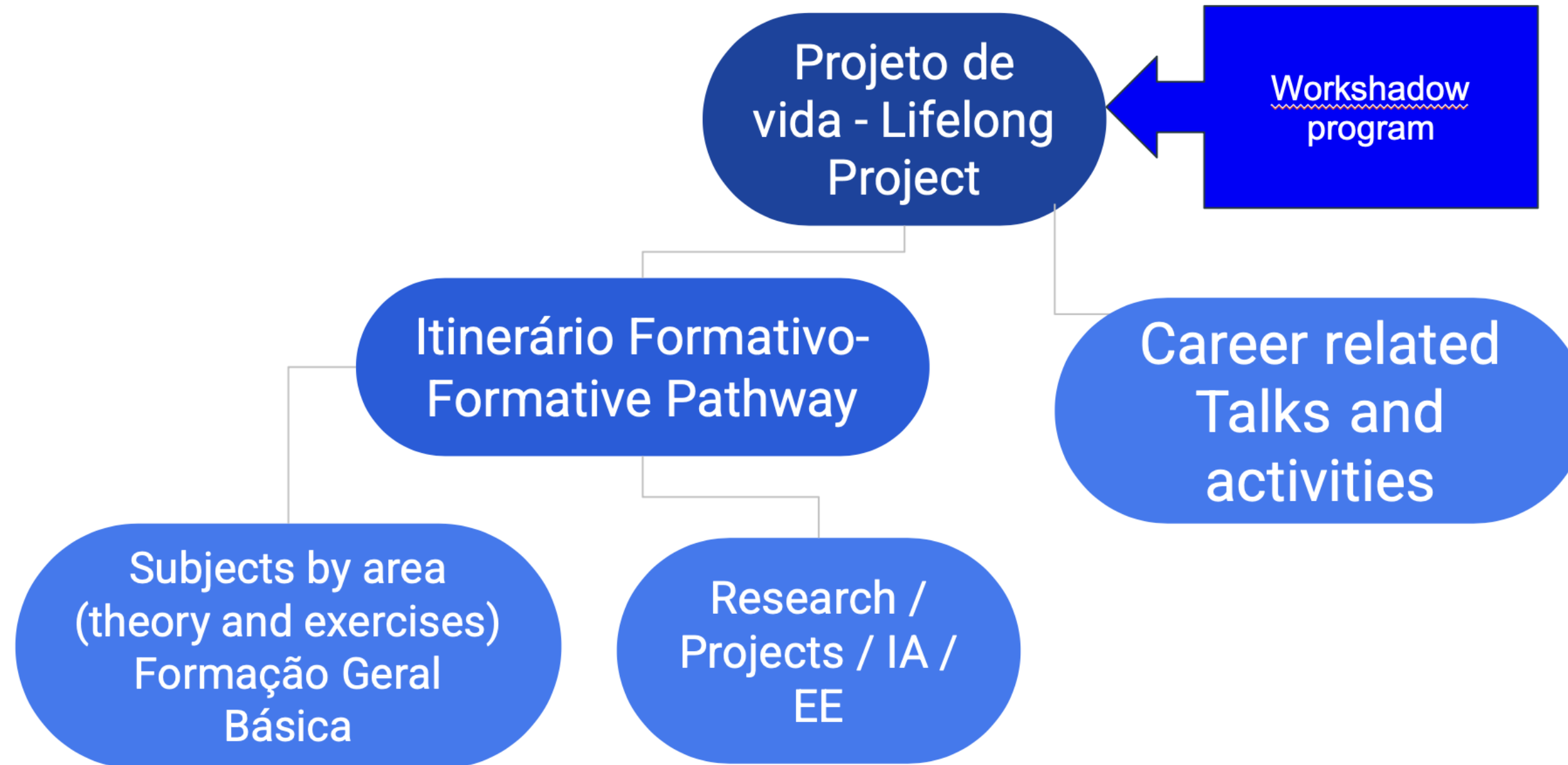
The school must provide the offer of varied formative pathways, whether for academic deepening in at least 2 areas of knowledge.

In this context, curricula and pedagogical proposals must be reoriented, integrating basic academic knowledge and formative pathways (BNCC, p. 475).

Formal grading for formative pathways is not required, but they should be the primary objective of the learning activities.



# Youth Protagonism and Curriculum Organisation





In real life...

It is a trap!



"Meia calabresa meia sushi",  
Shelly's expression :)



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# The REAL difficulties: VESTIBULAR/ENEM

## Study Case: Portuguese

In your school, at the EM: Do your teacher must cover those topics? If so, how do they do it?

- Oração Subordinada / Oração Coordenada
- Escolas literárias





# At ENEM

ENEM 2024: Please find the questions about Orações Coordenadas/Subordinadas and Escolas Literárias

[https://download.inep.gov.br/enem/provas\\_e\\_gabaritos/2024\\_PV\\_impreso\\_D1\\_CD1.pdf](https://download.inep.gov.br/enem/provas_e_gabaritos/2024_PV_impreso_D1_CD1.pdf)

Let's compare IB expectations with the ENEM questions.



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# At FUVEST

**FUVEST 2025: Please find the questions about Orações Coordenadas/Subordinadas and Escolas Literárias**

1a fase: [https://www.fuvest.br/wp-content/uploads/fuvest2025\\_primeira\\_fase\\_prova\\_V1.pdf](https://www.fuvest.br/wp-content/uploads/fuvest2025_primeira_fase_prova_V1.pdf)

2a fase: [https://www.fuvest.br/wp-content/uploads/fuvest\\_2025\\_guia\\_respostas.pdf](https://www.fuvest.br/wp-content/uploads/fuvest_2025_guia_respostas.pdf)

Let's compare IB expectations with the FUVEST questions.



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# The REAL challenge

Lesson materials must be customized, which requires knowledge and time.

Traditional lessons and materials cannot be adapted. The world, the vestibular, and the ENEM have changed; therefore, lessons and materials must change as well.

Attempt to integrate both curricula, but be aware of the inherent limitations (e.g., non-literary works and Individual Orals).



# If we have time: sharing is caring

Escola Literária: “Ao Leitor” in: Machado de Assis, J. M.  
*Memórias Póstumas de Brás Cubas*

Orações Coordenadas e Subordinadas: analyzing the effects of connectives.



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# Spoiler Alert!



## Alternative assessment pathway

Last updated: 06 June 2023

### Programmes

Primary Years Programme >

Middle Years Programme >

Diploma Programme >

As one of the first pilots of the collaborative 16+ review, the IB will be working alongside schools to rethink education and design a new educational pathway.

The collaboration is set to begin in August 2023, where 20 students at UWC Atlantic College (UWCA) will pilot a new Systems Transformation Pathway, focused on complex systemic challenges around ecological and social justice. In 2024, United World College of South East Asia (UWCSEA), will be added to the pilot.

Diploma Programme innovations: piloting a new pathway with UWC Atlantic

Even IB Diploma Program changes from time to time:



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