



**CREATIVITY CULTURE
& EDUCATION**

The International Foundation
for Creative Learning

Executive Functions of the Brain

FEWTIPS

- **Flexibility** (a child's ability come up with new approaches when a plan fails),
- **Emotional control** (a child's ability to manage feelings),
- **Working memory** (a child's ability to hold information and use it to complete a task),
- **Task initiation** (a child's ability to get started on something).
- **Impulse Control** (a child's ability to stop and think before acting),
- **Planning and prioritizing** (a child's ability to come up with and prioritise the steps needed to reach a goal)
- **Self-monitoring** (a child's ability to keep track of and evaluate performance on regular tasks),

There is a strong correlation in research between socio-economic status (SES) and the development of EF. Children with low SES (in other words from the poorest backgrounds) have significantly weaker EF.

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Inhibitory Control

- Self-control – thinking before acting and resisting impulses
- Discipline - resisting temptations and completing tasks
- Interference control – concentrating, paying attention and staying on task

Working Memory

- Seeing connections – mentally relating one idea or fact to another
- Considering different perspectives
- Translating instructions into action plans

Cognitive Flexibility

- “Thinking out of the box”- see things in an new way, creative problem solving
- Flexibility - switching perspective or focus of attention and adjusting to changed demands or priorities

Disciplined

- Crafting and Improving
- Developing technique
- Reflecting critically

Imaginative

- Playing with possibilities
- Making connections
- Using intuition

Persistent

- Managing uncertainty
- Sticking with difficulty
- Daring to be different (Managing risk)

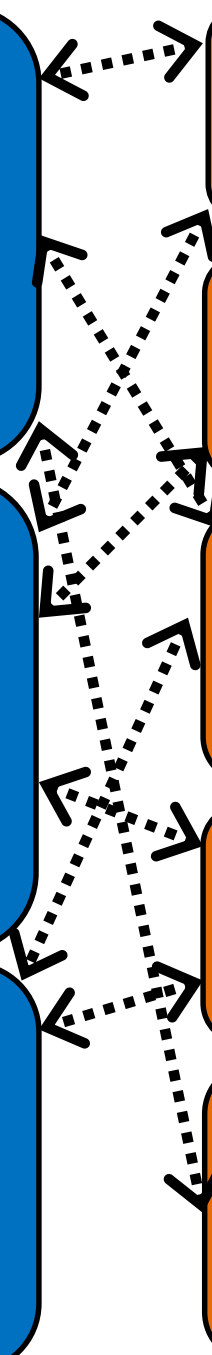
Inquisitive

- Wondering and Questioning
- Exploring and Investigating
- Challenging assumptions

Collaborative

- Cooperating appropriately
- Giving and receiving feedback
- Sharing the ‘product’ (Emotionally literate)

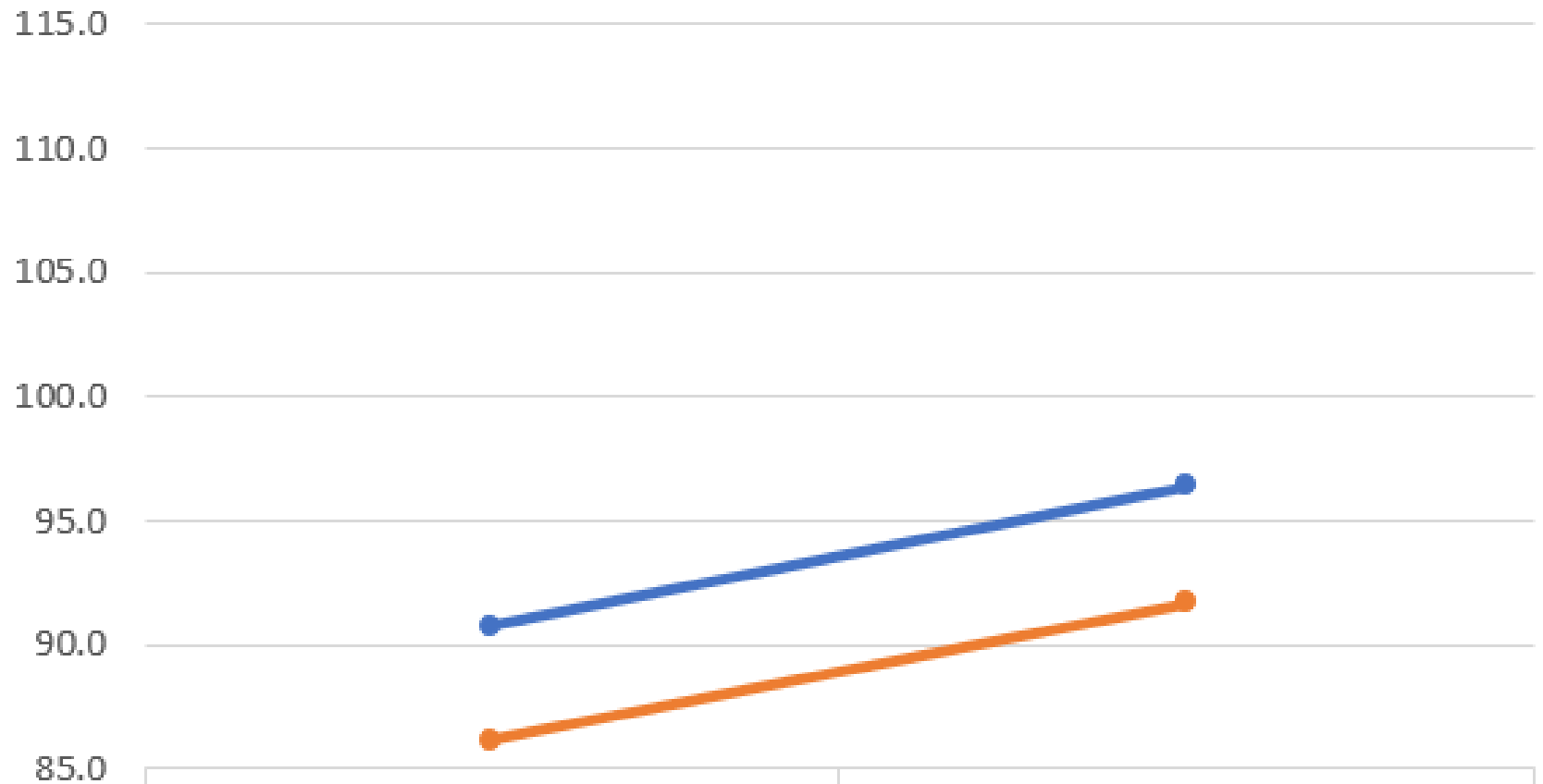
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Engaged in learning
Physically
Socially
Emotionally
Intellectually



Global Index YR time slopes



Kopernikus

90.8

96.4

Other Schools

86.2

91.7

—●— Kopernikus

—●— Other Schools