

DECODE



IO3 - NATIONAL CONDITIONS FOR INTEGRATING ICT IN EDUCATION – “ROMANIA”

MULTIPLIER EVENT

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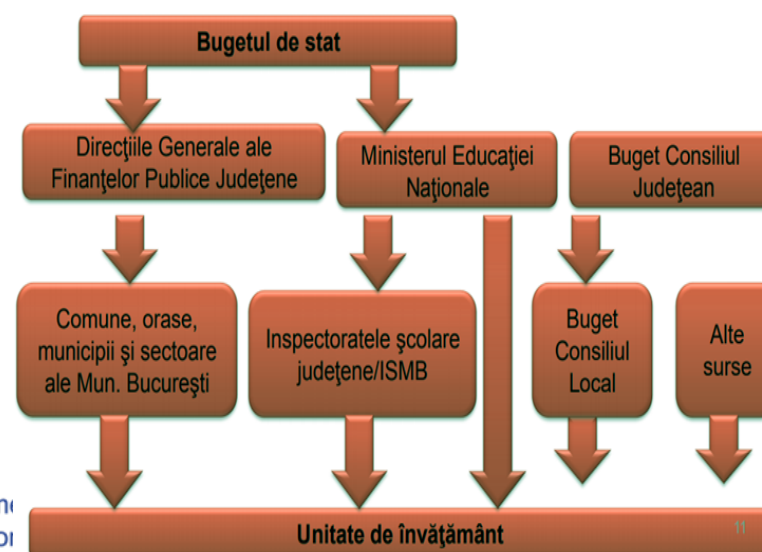
- National framework
- Innovation pathways
- SWOT analysis
- Recommendations
- *Conclusion*





- System structure
 - MEN / CSIs / LC / SM / SS / T
- Funding mechanisms
- Institutional structure
- Quality standards for schools
 - 2017 ARACIP public debate
- Teacher training
 - DPPD, DM / TTH

Circuitul și sursele de finanțare pentru unitatea de învățământ



- Legal framework
 - National Education Act 1/2011
 - new roles of the schools
- National Strategy on the Digital Agenda for Romania 2020
 - regular Internet use / e-government systems, broadband communication networks



Curriculum reform in Romania

- Proiectul de Reformă Înv. Preuniversitar - 1995-2002: Programe scolare centrate pe competențe aplicate începând cu sep. 2000
- Education Plan OMENCS 3590/5.04.2016
- Directions for Restructuring the national Curriculum (ISE 2015)
 - student centeredness
 - competencies centeredness
 - integrated interdisciplinary approach
 - rethinking the time for learning
- The syllabus
 - covers 75% of the teaching hours within each subject, with 25% to the teacher's disposal





Unattractive and inefficient education system

- increased ESL rate from 2010 onward > 19,1% - 2015 / Romania among the EU countries with the highest ESL rates
- 40% of 15 – 16 year old children are functionally illiterate (PISA 2012)
- 24% of youth are unemployed.
- 17% of 15-24 years old are NEETs
- 42% of students do not pass a Baccalaureate exam.



The 2017 DESI Report: Romania is at the last positions in Europe in what concerns:

- Human Capital/Digital skills dimension
- the Use of Internet
- Integration of Digital Technology by businesses dimension
- Digital Public Services dimension





„many teachers have difficulties in .. harnessing the key competences (digital competence) for their subject”.

Challenges:

- understanding their relevance;
- understanding how they sustain each other in the learning activities from a certain subject matter;
- designing learning activities to develop the key competencies;
- evaluation of competencies according to the education level



- National strategy for educational infrastructure „ICT equipments, e-learning platforms, computers etc.”
 - POR (AP 10 și AP 4) 400 mil Eur (300 UI) / PNDR 150 mil Eur (135 UI) / PNDL 80 mil Eur (350 UI)
- *Strategy for Reducing the Early School Leaving*
 - *attractive school environment*
 - *teacher training programs*
 - *curricular and extracurricular activities*





AMERICAN
PSYCHOLOGICAL
ASSOCIATION

- APA Learner-Centered Psychological Principles: A Framework For School Reform
 - Cognitive and Metacognitive Factors
 - Motivational and Affective Factors
 - Developmental and Social Factors
 - Individual Differences Factors



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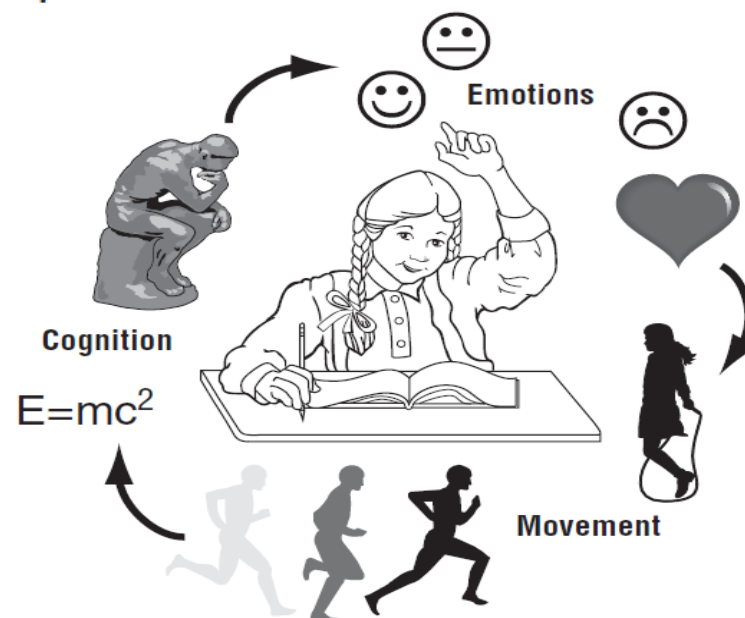
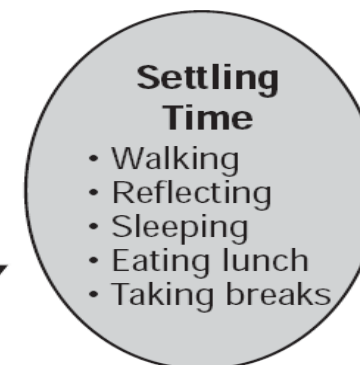
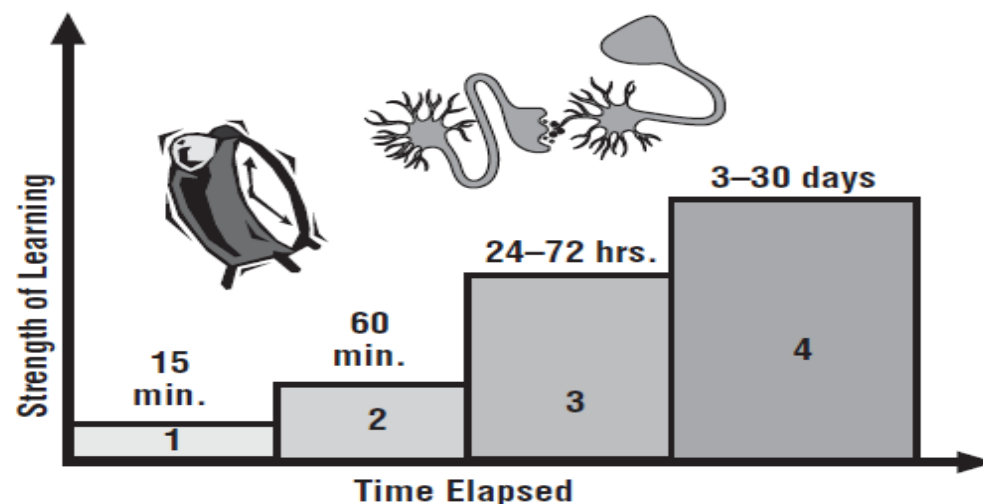
RECOMMENDATIONS

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Balance in Learning

TIME SCHEDULE FOR COMPLEX LEARNING

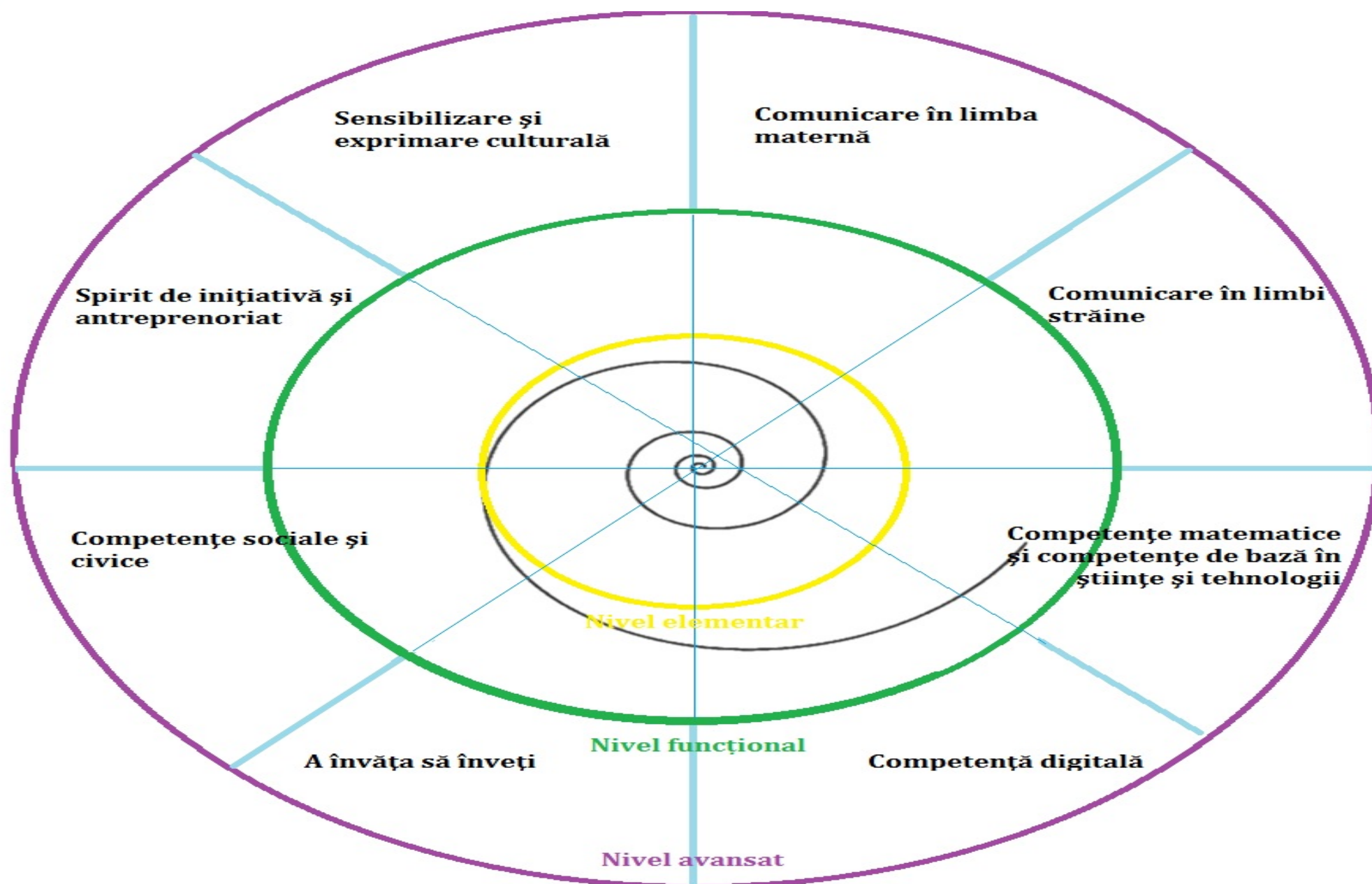


New, Integrated Paradigm



- Digital learning environment assures?
 - collective experience,
 - informal interaction;
 - group connectivity;
 - community credibility;
 - collective intelligence;
 - self-organising participation,
 - personalisation;
 - multiple identities;
 - recombinations.







Competence assessment requirements

- challenging learning situation (opposed to a grid test)
- authenticity
- interactivity
- multi-dimensional learning harnessing existing skills, self-motivation and positive self-image

Criterii de apreciere și indici pentru evaluarea portofoliului

Criterii de apreciere și indici	DA	PARTIAL	NU	OBSERVAȚII
1. PREZENTARE – evoluția evidențiată față de prima prezentare a portofoliului; – dacă este complet; – estetica generală. 2. REZUMATE – cu ceea ce a învățat elevul și cu succesele înregistrate; – calitatea referatelor; – concordanță cu temele date; – cantitatea lucrărilor. 3. LUCRĂRI PRACTICE – adecvarea la scop; – eficiența modului de lucru; – rezultatul lucrărilor practice; – dacă s-a lucrat în grup sau individual; – repartizarea eficientă a sarcinilor. 4. REFLECȚIILE elevului pe diferite părți ale portofoliului: – reflecții asupra propriei munci; – reflecții despre lucrul în echipă (dacă e cazul); – așteptările elevului de la activitatea desfășurată. 5. CRONOLOGIE – punerea în ordine cronologică a materialelor. 6. AUTOEVALUAREA elevului: – autoevaluarea activităților desfășurate; – concordanța scop-rezultat; – progresul făcut; – nota pe care crede că o merită. 7. ALTE MATERIALE, calitatea acestora: – adecvarea la tema propusă; – relevanța pentru scopurile proiectului.				



Competence assessment:

Matrice de specificații

Acest model de matrice cuprinde, pentru o unitate de învățare, pentru un semestru sau un an școlar, următoarele:

Competențe evaluate (exemple)	Teme (sau capitole) subordonate unității testate					
	1	2	3	4	5	6
1.4.						
...						
3.2.						
6.1.						

Aplicarea, corectarea și interpretarea rezultatelor

Testul, construit de profesor, se multiplică și se distribuie elevilor.

Testul se aplică în unitatea de timp estimată ca suficientă nivelului mediu (de exemplu, 30' pentru teste secvențiale, 30 - 40' pentru testele semestriale sau o oră, pentru testele integratoare, finale). Testul se aplică frontal, iar răspunsurile sunt strict eventuale. Se poate nota timpul de rezolvare pentru fiecare elev.

Corectarea testului, în raport cu baremul construit se realizează într-un tabel care cuprinde fiecare item cu un anumit punctaj (5p, 12p etc.).

Se pot reuni punctajele: (a) pe elev (de ex. 50p, 56p etc.), (b) pe item, conform modelului următor.

Elevul	Itemi						Total punctaj pe elev
	I	II	III	IV	V	VI	
1							
2							
..							
n							
Total punctaj pe item							





Competence assessment: classroommonitortraining.weebly.com

Assessment Progress Report

Perfect for parents evenings and interim reports. Share next step targets, achievements as well as progress in a format suitable for sharing with fellow teachers or parents.

Options

Highlight assessment colours ☒

Include school logo ☐

Include front cover ☐

School logos are uploaded
Generate Reports area or
account in the report template

About me

Spend a couple of minutes telling me about your hobbies and which subjects you like.

This will help you focus on what you really enjoy and you should take this into account when deciding on a career. You don't need to go into too much detail and you can come back to add more information later!

Don't forget to SAVE when you finish

Hobbies and Interests

What are your favourite hobbies?
Select up to 4 pastimes by using the **Add** and **Remove** buttons

Adventure
Art & Design
Books
Business
Computer Games
Computers
Cooking
DIY
Drama & Theatre
Fashion

+
-

Choose up to four items

Clubs and Groups
Are you a member of any:

- ☐ Sport Clubs
- ☐ Music Clubs/Groups
- ☐ Dance/Drama Clubs
- ☐ Other Clubs

Tell me more about what you do and where the club is run

Feel free to write anything else about your hobbies and interests

Study Interests

Choose your favourite subjects and the ones you think you are best at and add them to the appropriate lists below. You can choose 4 subjects for each list.

English
Maths
French
German
Spanish
Geography
History
Science
Chemistry

+
-

My favourite subjects

Choose up to four items

+
-

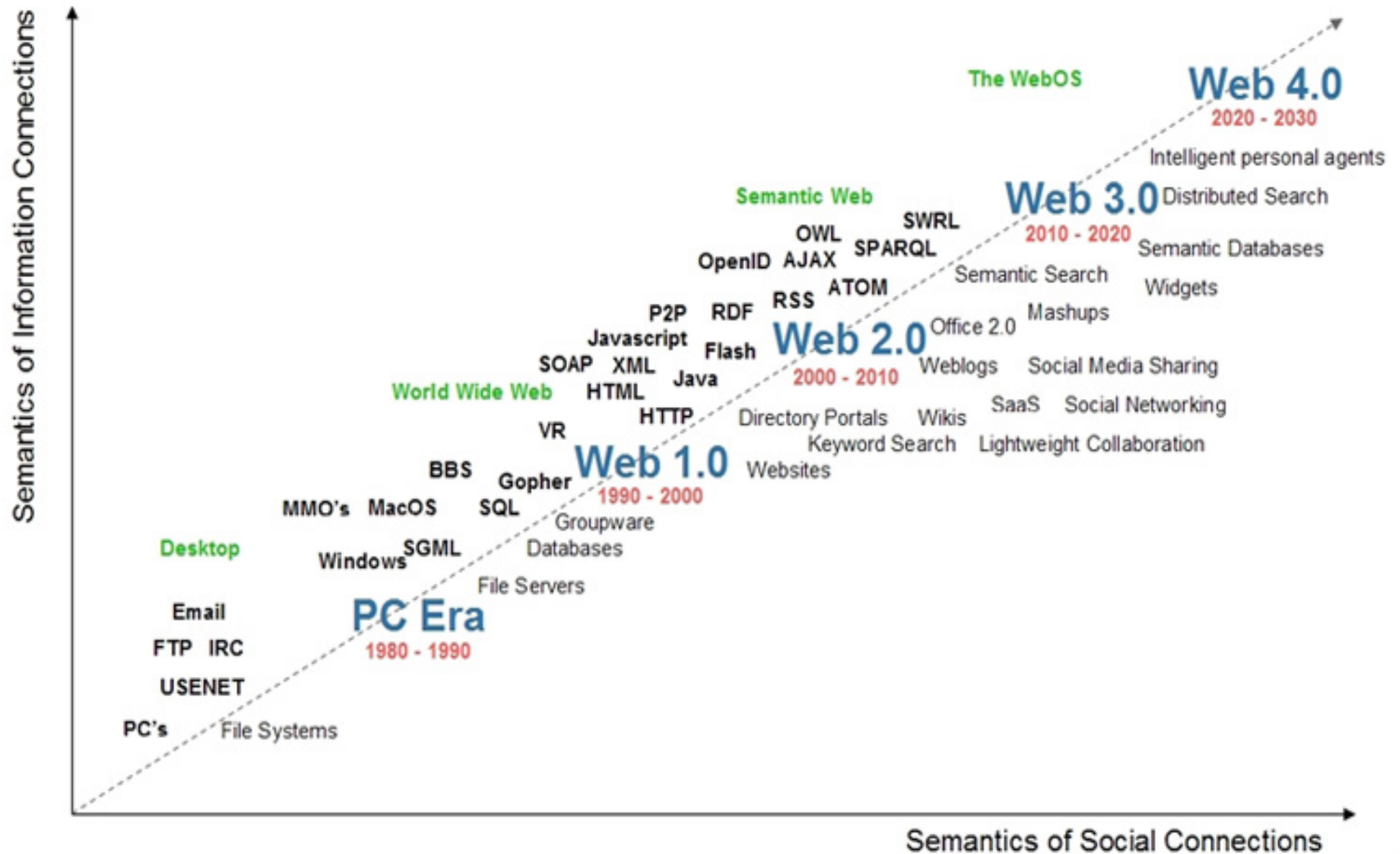
My best subjects

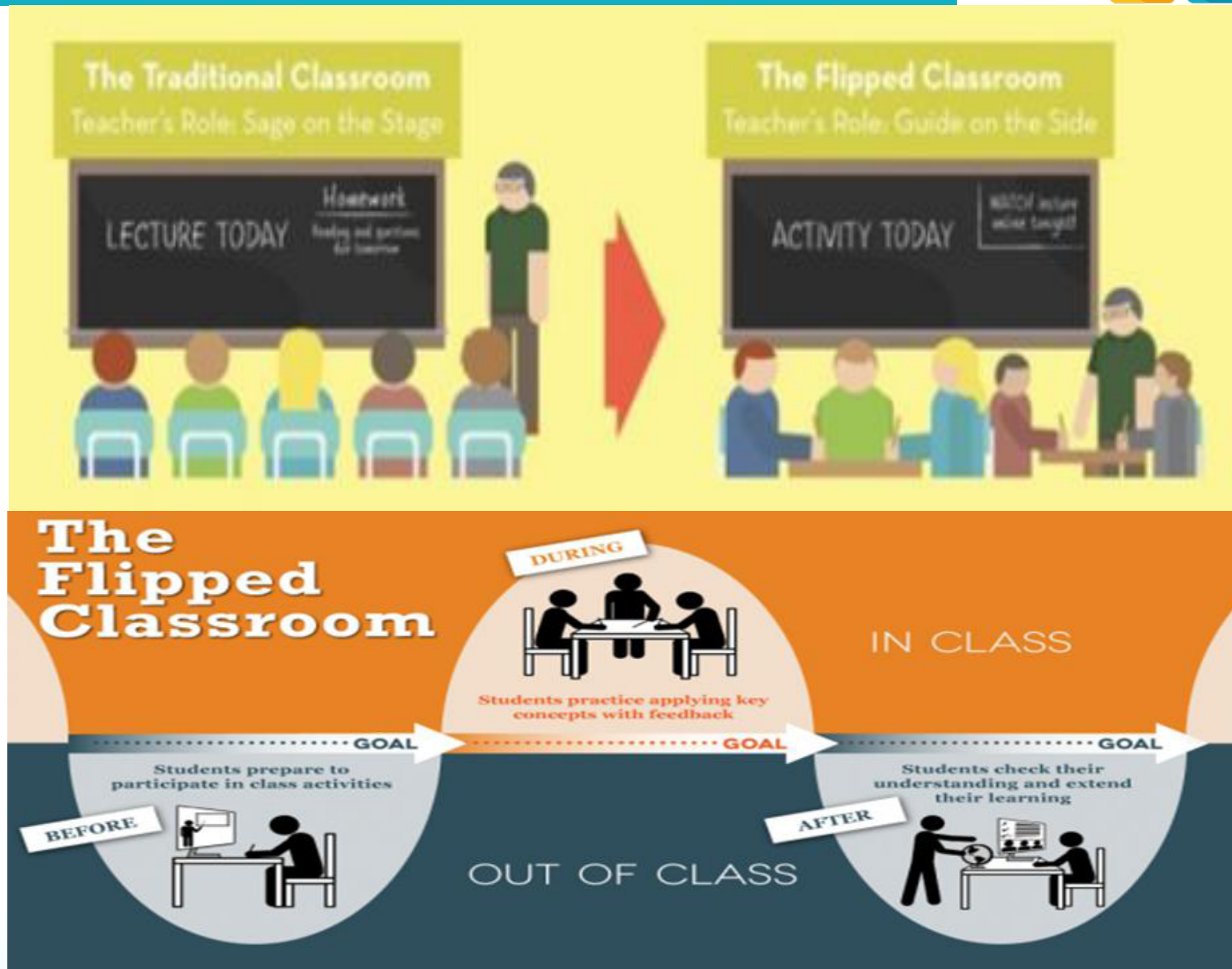
Choose up to four items

Other Interests and Responsibilities
Are there any other subjects that you particularly enjoy? Do you have any responsibilities at school/college?

Web 1.0 .. 2.0 .. 3.0 .. 4.0 ..

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INNOVATION PATHWAYS

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Virtual communities of learning
Project based learning
ePortfolios for learning, evaluation,
promotion
Virtual laboratories

➤ Differentiated Instruction
➤ literaryframework.eu



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- ise.ro, programe.ise.ro
- Sarivan, L. (2009) Predarea–învățarea interactivă centrată pe elev.
- Jensen, Eric. Teaching with the Brain in Mind.
- classroommonitortraining.weebly.com
- The National Progress Report for the Digital Agenda of the European Commission: ec.europa.eu/digital-single-market/en/scoreboard/romania
- National Strategy on the Digital Agenda for Romania 2020 (Sursa: <http://gov.ro/en/government/cabinet-meeting/national-strategy-on-the-digital-agenda-for-romania-2020>)

