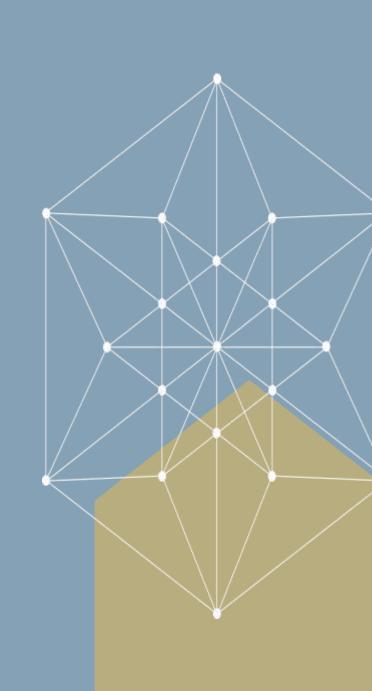


How to meet the needs of HIA students: Cooperative Learning & Differentiated Teaching

PhD. Angeles Bueno Villaverde









Inclusive Education



Characteristics of cooperative learning



Heterogeneous groups



Cooperative learning techniques



Processing of information



Sequence to implement the learning network



How do we evaluate and how do they evaluate themselves?



Guidelines for School program for HIA...







COOPERATIVE TECHNIQUE: What I know and what we know

What do we know about Cooperative Learning? What things have we applied in our classrooms?





2. Lo que sé y lo que sabemos				
Autor/es	Laboratorio de Innovación Educativa. Colegio Ártica. Cooperativa de Enseñanza José Ramón Otero.	Agrupamiento	Parejas	
Obj <mark>eti</mark> vos	 Activar conocimientos previos. Orientar hacia los contenidos. Desarrollar la creatividad. 			
Desarrollo	Los pasos a seguir son:			
1	El docente anuncia el tema que se va a tratar dura que escriban unas cuantas líneas sobre lo que les de trabajo a cada alumno. La ficha consta de dos cooperativo («lo que sabemos»).	sugiere. Para ello, en	ntrega una ficha	
2	Los alumnos, de forma individual, escriben en el primer apartado lo que saben sobre el tema.			
3	Una vez recogidas las ideas de ambos, los alumnos forman parejas con el compañero que tienen más cerca y construyen un texto que recoja las aportaciones de ambos. Ambos escriben el texto en el segundo apartado y firman ambas fichas. Entregan una al profesor y se quedan con la otra para la puesta en común.			
4	Se realiza una puesta en común en gran grupo. Al finalizar, entregan la segunda ficha.			
Consejos	 Establecer y controlar el tiempo de cada una de Valorar la generación de respuestas por encima Utilizar las aportaciones de los alumnos a la hor 	incluso de la correcc		
A.A.C.	A.A.C. • Plantearle formas alternativas de presentar las ideas. Por ejemplo, un mapa conceptu		n mapa conceptual.	

BASIC PROCEDURES

PERFORMANCE STANDARDS WE SET UP THE "RULES OF THE GAME"

BEFORE STARTING TO WORK AS A TEAM ...

... establish a few **basic and specific rules**, which should be:

- Few
- Understandable
- Enunciated in positive (describing the expected behavior) and in the first person plural (us).
- Affordable



Señal de silencio



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What is cooperative learning?

- It is NOT something new that has arisen now, nor a fashion.
- It is NOT a magic recipe to teach to solve all problems.
- It is NOT simply working in a group.
- It is a way to organize learning (students, activities, classroom, evaluation, etc.) to address the diversity that exists in the classroom.



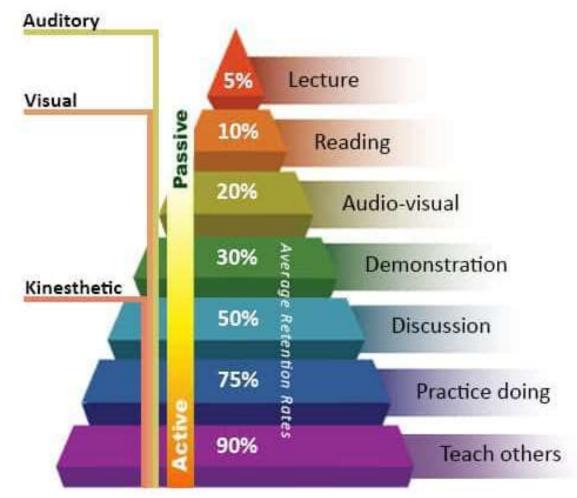
Advantages of Cooperative Learning

It develops:

- Social Skills
- Peaceful resolution of conflicts
- Flexible and dynamic
- Fosters autonomy and self-regulation
- Increase information retention



Advantages of Cooperative Learning. Information retention percentage



Adapted from the NTL Institute of Applied Behavioral Science Learning Pyramid





COOPERATIVE TECHNIQUE: Puzzle I

What are the characteristics of Cooperative Learning?



3. Rompecabezas II					
Autor/es	Adaptación de Robert Slavin a partir de Aronson	Agrupamiento	Pequeño grupo		
Objetivos	 Presentar contenidos. Desarrollar trabajos de investigación. Fomentar el trabajo autónomo y la autorre Promover las exposiciones orales. Buscar, organizar y elaborar la informació Promover el apoyo y la ayuda mutua. 				
Desarrollo	Los pasos a seguir son:				
1	Los alumnos se agrupan en equipos heterogéneos en función de sexo, rendimiento, capacidades, etnia, etc.				
2	A cada equipo se le asigna el mismo tema o conjunto de contenidos.				
3	El tema se divide en sus diferentes partes o aspectos. Estas partes se reparten al azar entre los integrantes de cada equipo, de modo que cada uno de ellos se convierte en «experto» en uno de dichos apartados, haciéndose responsable del desarrollo del mismo.				
4	Tras haber trabajado en su parte del tema, los expertos de todos los equipos en un aspecto concreto se reúnen para contrastar y poner en común su parte del tema.				
5	Los expertos vuelven a sus grupos y exponen a sus compañeros los contenidos que han trabajado.				
6	Cuando todos dominan el tema, el profesor realiza una prueba individual, que se evaluará igual que en el método TELI: comparando los resultados de la prueba con el puntaje base y extrayendo los puntos de superación individual.				
7	Se suman los puntos por superación individual de todos los integrantes del grupo y se promedian, dando como resultado la calificación grupal.				
8	Se reparten las recompensas de grupo.				

Characteristics of Cooperative Learning





 Positive interdependence is the basic element of cooperative situations, since it establishes the difference between group work and cooperative group work.





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"all or none"

- The proposal should send a very clear message to the students:
 - you will only succeed if your companions succeed too.
- The students face a double responsibility:
 - Learn the proposed contents.
 - Make sure that all members of their group also learn.



Positive interdependence with respect to identity

Positive interdependence of rewards and celebrations

> Positive interdependence of **functions**

Goal interdependence

Positive interdependence of tasks

Positive interdependence of **resources**

Dra. Dª Ángeles Bue, o Villaverde Universidad Camilo José Cela

"Face-to-face" interaction

- When students work together within a cooperative relationship framework, they promote and facilitate the progress of others through:
 - reciprocal help, mutual support and encouragement of the learning efforts of all the members of the group;
 - the exchange of opinions, resources and strategies;
 - the observations they make to each other to improve performance;
 - the effort that is required to achieve the objective

Individual Accountability

- The "stowaway effect" or piggybacking: a partner takes advantage of the work of others.
 - It usually occurs when the cooperative learning situation is not well designed and does not foresee measures to avoid it.
 - Measurements:
 - Small groups
 - Evaluate individually and the group
 - Randomly choose a student to represent the group
 - Individual and group self-evaluation
- Purpose of cooperative learning

"It is not learning to do things together, but learning together to do things alone"





COOPERATIVE TECHNIQUE: Puzzle

What aspects should we take into account to form groups?

What types of groupings can be made?

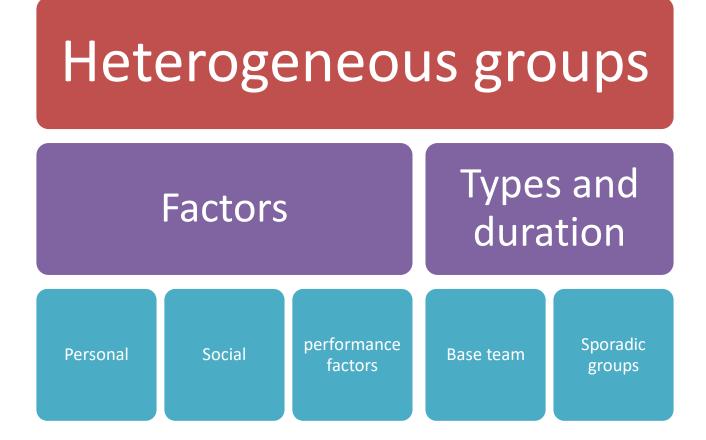
What should be the size of the groups?

Who distributes the groups?

How long should the same grouping last?



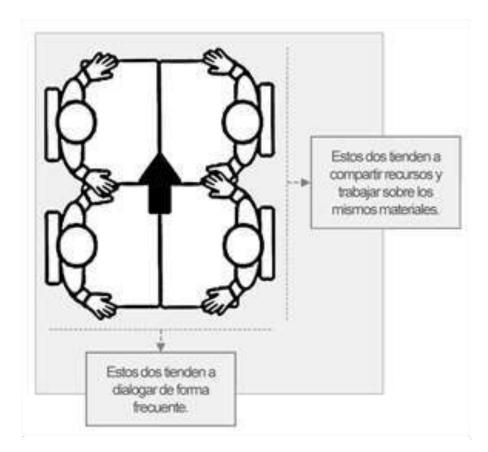




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Grouping

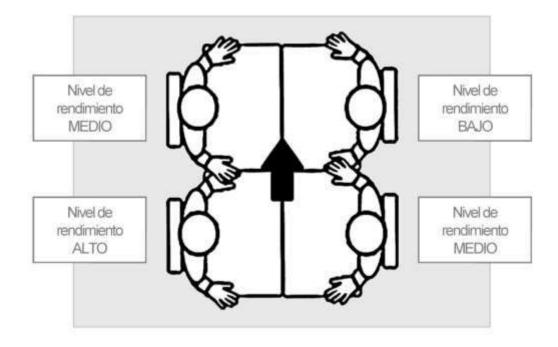
• Grouping size: Peers and groups of 4 members





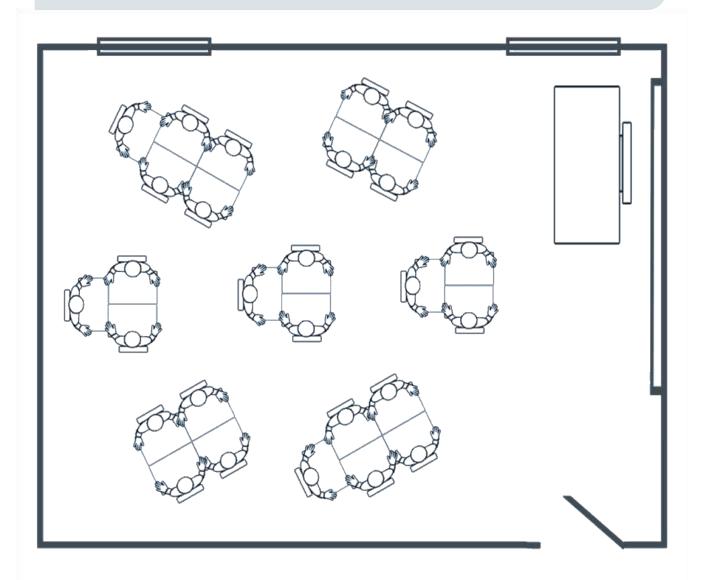
Gouping

• Disposition of the students in the groups





A cooperative classroom



Moments

Techniques

1. Previous knowledge activation and task orientation.

10 minutes

2. Presentation of the contents.

Máx. 20 minutes

3. Information Processing.

20 minutes.

4. Recapitulation.

10 minutes.

1-2-4 Rotating sheet Mural phrase

Reading in pairs. Mini puzzle. Stop three minutes.

Pencils in the center. Thinking twins. Cooperative peers taking notes.

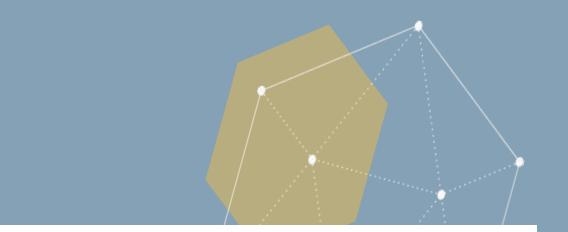
Inventory what was learned Empty conceptual map.

Videos

- Cooperative structures
- <u>https://www.youtube.com/watch?v=S0s_qxJDuas</u>
- https://www.youtube.com/watch?v=iliENACsEwo



http://www.madrid.org/cs/Satellite?blobcol=urldata&blobheader=applicat ion%2Fpdf&blobheadername1=Content-Disposition&blobheadervalue1=filename%3D2012_libro+altas+capacida des.pdf&blobkey=id&blobtable=MungoBlobs&blobwhere=13109745&7 05&ssbinary=true



Differentiated Teaching

PhD. Angeles Bueno Villaverde



What do our students know before starting the Didactic Unit?

- The following list of ideas can be useful for the construction of previous evaluations of the didactic unit:
 - conceptual maps
 - flowcharts
 - Venn diagrams
 - draw a diagram, image
 - written answer
 - join images
 - label a diagram
 - Multiple choice answers test

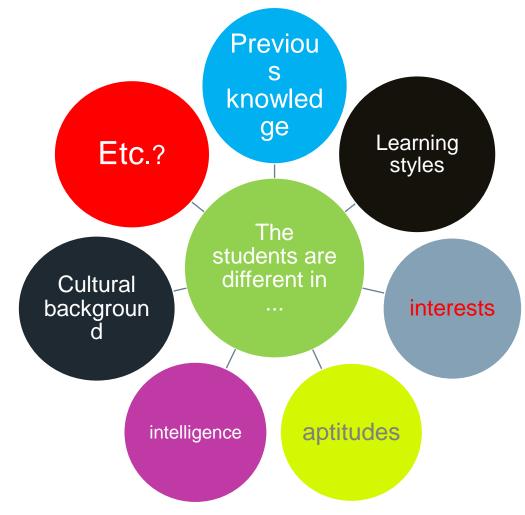
- Essay
- Short answers
- Problem solving
- answers based on hypothesis
- Cloze texts
- Make a model
- Practical activities
- Questions based on Bloom's taxonomy (one from each level)



•A result equal to or greater than 85% shows a level of competence that requires the realization of curricular extensions.



Educational Inclusion



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What is curriculum differentiation?





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Differentiated Teaching



To GIVE EVERYONE WHAT THEY NEED

A DIFFERENTIATED CLASSROOM IS THAT IN WHICH ...

"... the teacher plans proactively and carries out various approaches to the **content**, **process and product** of teaching, anticipating and responding to differences in **aptitude**, **interest and learning needs** of students."

CAROL ANN TOMLINSON (2005)





Basic reflections before starting a new Didactic unit:

Do I know (as a teacher) the students' special abilities?

What are their interests?

Do I know the preferred learning style of each of our students?

How do I find out?



D^a. Angeles Bueno. U.C.J.C.

Let's reflect on...

	1. Parejas de discusión enfo	cada introductoria	
Autor/es	Adaptado de David y Roger Johnson	Agrupamiento	Parejas
Objetivos	 Activar conocimientos previos. Generar diversas respuestas. Fomentar el diálogo, la controversia y el controver	versas respuestas.	
Desarrollo	Los pasos a seguir son:		
1	El profesor plantea una serie de preguntas que se responderán a lo largo de la sesión.		
2	Los alumnos se agrupan en parejas.		
3	Las parejas discuten sobre las preguntas y buscan una solución.		
4	El profesor pide al azar algunas de las respuestas de las parejas.		
Consejos	 Las preguntas podrían anotarse en la piza siempre presentes. Para promover la implicación de todos los parejas que escriban sus conclusiones en 	s alumnos en la actividad,	se puede pedir a las
 Asegurar que, en ocasiones, tenga la oportunidad de desarrollar esta técnica co compañeros de nivel alto. Plantear preguntas diferenciadas en función del nivel. 		a técnica con	

D^a. Angeles Bueno. U.C.J.C.



¿Cómo diferencio las actividades?

APTITUDE

Adequate degree of complexity according to the level of understanding and skillfullness



Choose a topic (increases motivation)

- Action guides. - Help them discover their interests - Sporadic groupings ...

Carol Ann Tomlinson



Universidad Camilo José Cela

LEARNING PROFILE

Recognition of diversity.

Offer different ways

Theory Multiple Intelligences.

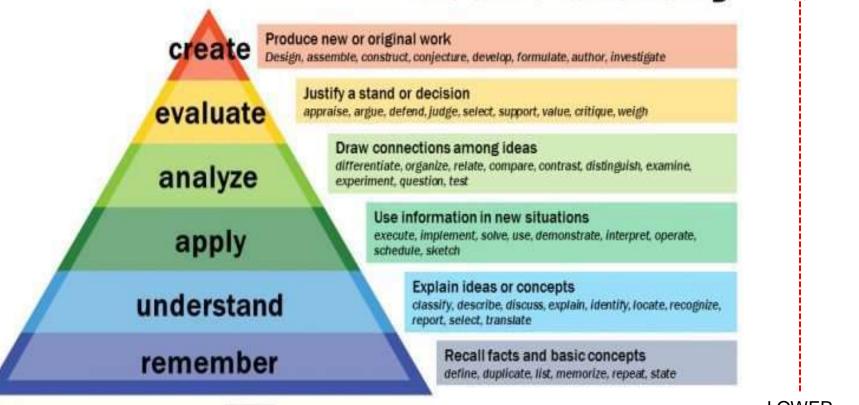
Differentiated Teaching

	Aptitude	Interets	Learning profile
Contents			
Process			
Product			



Bloom's Taxonomy

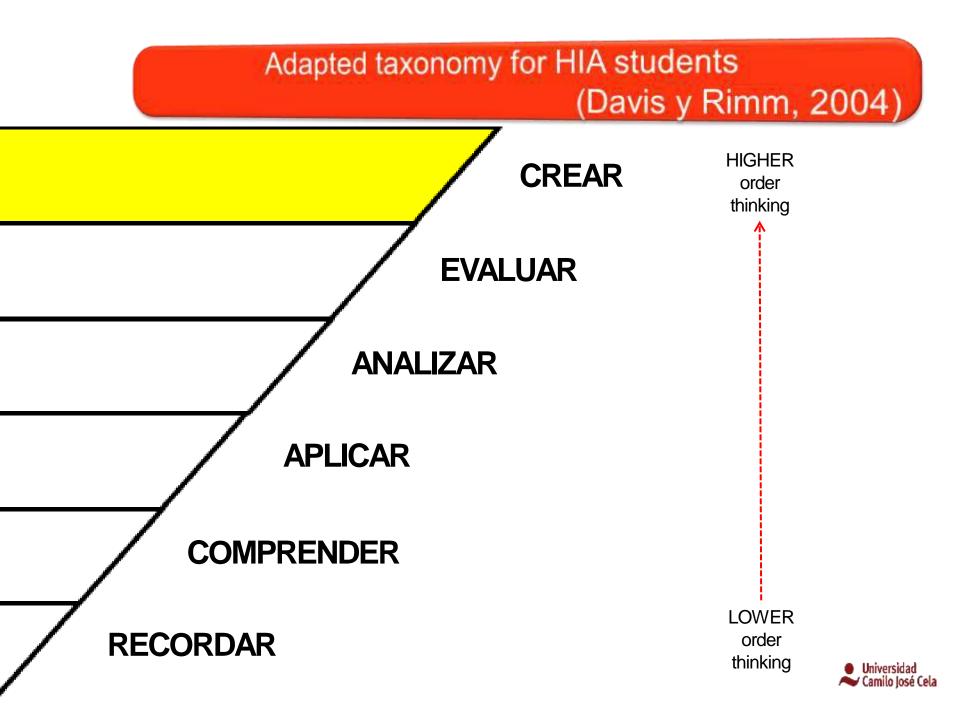
HIGHER order thinking



2 Vanderbilt University Center for Teaching

LOWER order thinking





Bloom's Model

1. Imagine that you have been chosen as the president of Spain. Write a poem or song describing how you will be a positive influence for Spain.

2. Make a list of the important information you know about: democracy anarchy monarchy dictatorship government elections freedom Greece Classical

- 3. To what extent are democracy and monarchy similar? What is the difference between them?
- 4. Imagine that you traveled from Classical Greece to Spain. What differences would you find between life in democratic Spain and Classical Greece?
- 5. Many people emigrated to the United States or Australia because they thought that their democracy would bring them freedom. Does democracy ensure freedom? Why not?
- 6. Make a flow diagram of the ima mtangete Bachavillaver about the electoral Spain. Universidad Camilo José Cela

Bloom's Model

1. Imagine that you have been chosen as the president of Spain. Write a poem or song describing how you will be a positive influence for Spain.

CREATE

2. Make a list of the important information you know about:

democracy anarchy monarchy dictatorship

government elections freedom Greece Classical

REMEMBER

3. To what extent are democracy and monarchy similar? What is the difference between them?

ANALYZE

4. Imagine that you traveled from Classical Greece to Spain. What differences would you find between life in democratic Spain and Classical Greece?

APPLY

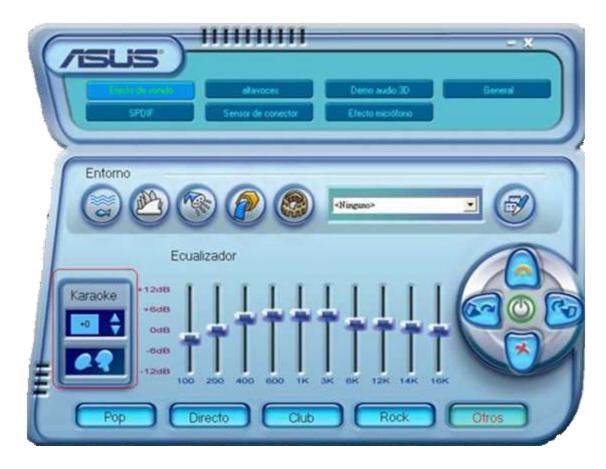
5. Many people emigrated to the United States or Australia because they thought that their democracy would bring them freedom. Does democracy ensure freedom? Why not?

EVALUATE

6. Make a flow diagram of the ima@tangedepBachaViMaverdaeow about the electoral Spain. Universidad Camilo José Cela

Bloom's strategy and definition	Examples of question stems
Knowledge (Remember): Mastery of facts, terminologies, conventions, trends, classifications, categories, methodologies, principles, generalisations, theories and structures. Retrieval of knowledge from long-term memory.	What did the say about? Who invented? When did discover? Which decided?
Comprehension (Understand): Translation, interpretation and extrapolation of knowledge. Construction of meaning from oral, written and graphical communication.	Who do you think? What was the main idea? Can you briefly outline? What does show us?
Application (Apply): Application of previously encountered rules or concepts to new situations and the transfer of understanding to other concrete, real-life and hypothetical situations.	How could you illustrate? What questions would you ask? How could you model? Which factors would you change?
Analysis (Analyse): Deconstruction of knowledge to be able to infer assumptions and points of view; distinguish fact from opinion and relative importance of details; identify underlying motives, frameworks of ideas, problems, tone and mood; recognise fallacies, bias and purpose; relate cause and effect.	How is similar to? What must you know for to be true? What was the underlying theme of? How did compare with?
Evaluation (Evaluate): Ability to make judgements, choices or decisions based on predetermined standards or criteria from internal and/or external evidence.	How effective is? Do you believe? Why or why not? What do you think about? Justify your position. What changes to would you recommend?
Synthesis (Create): Creation of new and unique products by combining elements of understanding; recognition of elements in new patterns or structures. Product may result from hypothesising, designing and constructing unique communications, plans, abstract relationships.	What would happen if? Can you design a to? How many ways can you? Can you see a possible solution to?

Ecualizador de Tomlinson



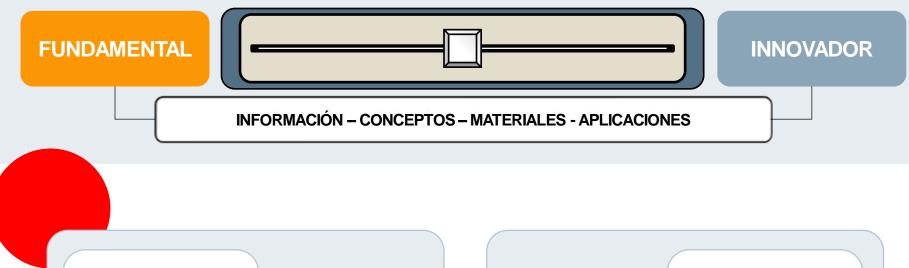


Organizing a differentiated classroom according to aptitude

"Equalizing teaching"

Fundamental	Innovative
Concrete	Abstract.
Simple	Complex.
Unique facet	Multiple facets
Small advances	Big steps.
More structured	More open.
Dependence.	Independence.
Slow	Quick.





To make a classification of animals according to the skin cover.

FOR EXAMPLE

FOR EXAMPLE

To infer how environmental changes affect the skin cover of different animals.

THE COVER OF ANIMALS SKIN

CAROL ANN TOMLINSON (2005) Estrategias para trabajar con la diversidad en el aula. Buenos Aires: Paidos. CAROL ANN TOMLINSON (2008) El aula diversificada: Dar respuestas a las necesidades de todos los estudiantes. Barcelona: Octaedro.

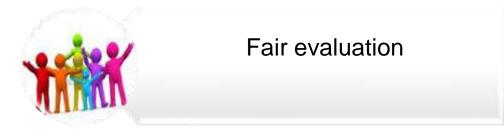
INTERESTS Multiple Intelligences



To develop awareness about your own multiple intelligences



To guide them in their holistic learning and in the modification of skills.





Search for multiple intelligences in the classroom

- S/he can hum the Beethoven's fifth symphony.
- 2. S/he can do a dance step.
- S/he can recite four lines of a poem.
- 4. S/he can explain why the sky is blue.

```
    S/he can tell you the dream he had yesterday.
```

- 6. S/he can draw a horse.
- S/he can confess that you interact in a relaxed way doing this exercise.
- 8. S/he can mention five different kinds of trees.



Other Strategies to differentiate teaching

- A variety of strategies may be used to implement curriculum differentiation in the classrooms:
- Pre-testing
- Compacting
- **Developing tiered instruction** the teacher develops a series of activities based on the same area of study but hierarchical in nature and complexity. Students begin activities at a level appropriate to their ability.
- **Negotiating contracts** an agreement between the student, teacher and sometimes parent that results in the student working independently with varying levels of guidance.
- **Designing independent study or research projects** a research project where students learn how to develop the skills for independent learning. The degree of help and structure will vary between students and depend on their ability to manage ideas, time and productivity.
- Utilising paired and small group work expectations that the students work together in the collection, analysis and organisation of information but that each student prepares an individual product to demonstrate that learning has taken place.



Fair Assessment



dad A Camilo José Cela

How do we evaluate and how are they evaluated?

On the part of the teacher ...

On the part of HIA students

Assess progress.

• Variable evaluation criteria, depending on the objectives that we have set for the student with AACC.

Compliance with the group and individual work plan.

Provision and quality of the

help...

۲

ullet

- Valuation of the final products.
- Teamwork. Newsletters





How do we assess? Authentic Assessment

Instrument
Check list. Anecdotal record. Class diaries. Photographs. Video recordings
Exposition, Dialogue, Debate, Rubrics
Diary of the student, Portfolio, samples of works, Thematic development Exam, Objective tests, Murals
Personal graphics
Sociograms

Armar una colección.	Poplizar una procontación				
	Realizar una presentació multimedia.				
Diseñar un juego.	Escribir una carta.				
Drganizar un espectáculo eatral.	Diseñar y crear una labor de costura.				
Construir un planetario.	Realizar entrevistas.				
Presentar artículos a una evista o periódico.	Elaborar gráficos o diagramas para explicar ideas.				
Diseñar y realizar un experimento.	Recoger y analizar muestras.				
Realizar un grabado o una alla de madera.	Mandar cartas de lector a una publicación.				
Formular y fundamentar Ina teoría.	Dirigir una sesión de entrenamiento.				
Presentar un resumen de noticias.	Redactar una ley nueva.				
Crear recetas originales.	Preparar una coreografía.				
	Prganizar un espectáculo eatral. Construir un planetario. Presentar artículos a una evista o periódico. Diseñar y realizar un xperimento. Cealizar un grabado o una alla de madera. Cormular y fundamentar na teoría. Presentar un resumen de oticias.				



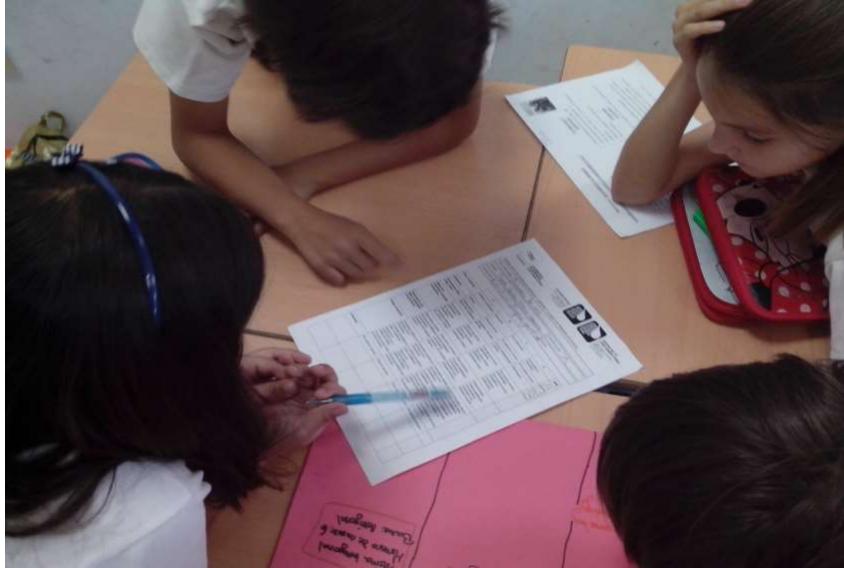




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Let's reflect on...

COOPERATIVE TECHNIQUE: Hereby I resolve ...

What have we learned so far? How can you apply what you have learned in your classes?



Let's reflect on...

		1.1	Por este medio resuelvo						
Au	tor/es	Mel Silberman	Agrupamiento Parejas						
Obj	etivos	Promover la transferencia y aplicación de lo aprendido a nuevas situaciones. Conectar el aprendizaje con la vida. Los pasos a seguir son:							
Des	arrollo								
	1	Formamos parejas de alu	mnos.						
	2	Pedimos a las parejas que piensen en algo que hayan aprendido en clase y en la forma que pueden aplicarlo en el futuro.							
	3	El alumno A explica a B lo que ha aprendido y cómo va a aplicarlo. B redacta un breve recordatorio con las ideas de su compañero.							
4		Se invierten los roles.							
	5	Finalmente, cada alumno se lleva el recordatorio con sus ideas.							
Consejos A.A.C.			esta en común en gran grupo. mprometerse a mandarle por correo a su an recogido sus ideas.	compañero el					
		su actividad profesional • Utilizar estas propuesta	adultos que utilizan los contenidos apre s para construir planes de trabajo persor e producción, centros de interés, activida	alizados para el alumno					

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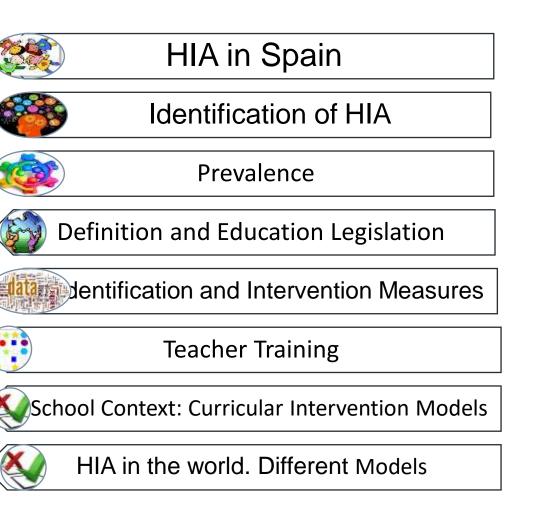


Programs and Practices for Identifying and Nurturing High Intellectual Abilities in Spain

PhD. Angeles Bueno Villaverde











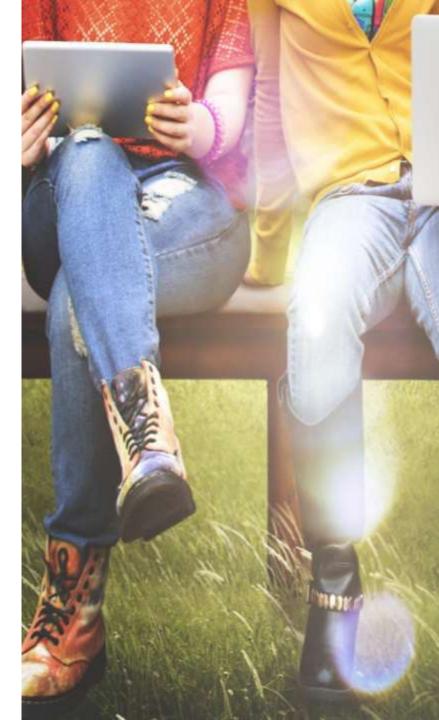
TO REFLECT...

COOPERATIVE TECHNIQUE: What I know and what we know

What do we know about High Abilty students?

What programs or activities have we implemented in our classes?







Identification of HIA

The intelligence quotient still prevails in the professional and psychopedagogical orientation fields, which, despite its recognized disadvantages, is an easy and widespread indicator. Without determining the suitability of the construct and the false positives or negatives it generates, some authors propose that the intelligence quotient in Spain is simply insufficient for estimating the top 2% of the population because of the stability, validity, and reliability of intelligence measures (Sastre-Riba & Castelló, 2017)..







The most widely used model of identification is the one by Castelló and Batlle (1998), who postulates the multidimensionality and different forms of HIA:

- complex (giftedness) and
- specific (the various forms of talent).

On one hand, **giftedness** is identified as a multidimensional complex profile in which any of the (representational) logical-deductive and creative intellectual abilities are located above the **75th percentile**, allowing maximum interaction between them, as well as maximum complexity in the resulting cognitive functions.

On the other hand, the different forms of **talent** represent a very high score (**90th percentile or more**) in one or several of these intellectual spheres, such as linguistic or mathematical, but not in all.



TOTAL AND PERCENTAGE OF IDENTIFIED STUDENTS WITH HIA IN SPAIN

Total and percentage of identified students with HLA in Spain during 2014-15 school-year in the different stages.

	TOTAL	%	Second Cycle Infant Ed.	%	o Primary Ed.	%	Secondary Ed.	%	Baccalaureate	%	Basic Vocational Training (FP-B)	%	Middle Vocational Training (FP-GM)	%	Higher Vocational Training (FP-GS)	%
TOTAL	19187	0,270	137	0,010	10264	0,353	7264	0,395	1456	0,228	6	0,015	20	0,006	40	0,013
ANDALUCÍA	7703	0,542	20	0,007	4405	0,759	2745	0,732	479	0,364	5	0,058	15	0,024	34	0,066
ARAGÓN	98	0,052	0	0,000	37	0,048	53	0,110	8	0,048	0	0,000	0	0,000	0	0,000
ASTURIAS (Principado)	600	0,493	6	0,026	339	0,703	200	0,634	53	0,442	0	0,000	0	0,000	2	0,028
BALEARS (Illes)	527	0,324	6	0,018	255	0,370	200	0,471	61	0,517	0	0,000	2	0,031	3	0,074
CANARIAS	1778	0,567	2	0,004	1063	0,838	578	0,653	133	0,448	1	0,044	1	0,007	0	0,000
CANTABRIA	119	0,147	0	0,000	58	0,176	48	0,236	13	0,183	0	0,000	0	0,000	0	0,000
CASTILLA Y LEÓN	573	0,179	6	0,010	292	0,233	227	0,268	48	0,144	0	0,000	0	0,000	0	0,000
CASTILLA-LA MANCHA	294	0,090	7	0,011	181	0,137	94	0,109	12	0,039	0	0,000	0	0,000	0	0,000
CATALUÑA	194	0,017	4	0,002	109	0,023	62	0,021	19	0,021			0	0,000	0	0,000
COMUNITAT VALENCIANA	94	0,012	0	0,000	10	0,003	54	0,028	30	0,048	0	0,000	0	0,000	0	0,000
EXTREMADURA	201	0,122	13	0,043	102	0,157	61	0,134	22	0,133	0	0,000	2	0,026	1	0,014
GALICIA	1392	0,405	47	0,072	854	0,630	415	0,468	76	0,229	0	0,000	0	0,000	0	0,000
MADRID (Comunidad)	1741	0,175	9	0,004	1057	0,258	585	0,233	90	0,093	0	0,000	0	0,000	0	0,000
MURCIA (Región)	3140	1,206	6	0,012	1082	1,008	1694	2,496	358	1,535	0	0,000	0	0,000	0	0,000
NAVARRA (Comunidad)	282	0,287	3	0,015	160	0,395	93	0,364	26	0,298	0	0,000	0	0,000	0	0,000
PAÍS VASCO	300	0,097	6	0,009	167	0,131	113	0,146	14	0,048	0	0,000	0	0,000	0	0,000
RIOJA (La)	140	0,297	2	0,021	84	0,434	40	0,334	14	0,353	0	0,000	0	0,000	0	0,000
CEUTA	3	0,017	0	0,000	2	0,027	1	0,023	0	0,000	0	0,000	0	0,000	0	0,000
MELILLA		0,045		0,000		0,096		0,023	0	0,000		0,000		0,000		0,000
Fuente: MEC (2016). Estadística de las	s Ense	eñanza	s no	unive	ersitar	ias. S	lubdir	ecciór	ı General	de Es	stadís	tica y	, Estu	ıdios	del N	<i>linisterio</i>

Educación, Cultura y Deporte. Curso 2014-15.

Table 1





The results of PISA Report 2015 (OECD, 2016) indicate that Spain is in the average range of academic performance when compared with other countries of the OECD, as its students obtain average scores of 496 (OECD 493) in reading, 486 (OECD 492) in mathematics, and 493 (OECD 493) in science.

However, within the country, there are important variations among its local communities. As the OECD (2016) mentions,

socio-economic status continues to have an impact on students' opportunities to benefit from education and develop their skills. That is why equity in education ensuring that education outcomes are the result of students' abilities, will and effort, and not the result of their personal circumstances—lies at the heart of advancing social justice and inclusion. (p. 39)





All the indicators show that the socioeconomic and cultural differences between the autonomous communities of the north and those of the south of Spain enlarge the differences in science, reading, and mathematics competences of the PISA 2015 and TIMSS 2015 reports.

However, many communities in the south of the country make economic efforts through action plans to alleviate the situation and detect their HIA students. However, in northern communities, where better results are obtained, there is also much to do to enhance excellence. As a result, the potential of the students is not fully developed.







Definition and Education Legislation

According to the Spanish Ministry of Education (Ministerio de Educación y Ciencia [MEC]), **students with HIA are considered** by the Organic Law of Education 2/2006 (LOE) as students with specific needs for educational support and whose needs will be met as soon as their high abilities are identified following the principles of normalization and inclusion.

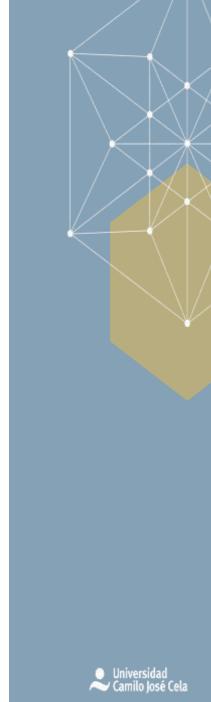






The most widespread practice is **acceleration** within the stages along the educational system, not so much **curriculum compacting**, but reducing the duration of each stage, regardless of the age of the students.

When the ordinary measures taken in the educational center to attend to student development have already been met and become insufficient, then schooling may be initiated earlier or its duration is reduced with parent approval.





Legislation Criteria (LOE):

 Acceleration of a school year may be adopted a maximum of 3 times in basic education and only once in postcompulsory education

Acceleration also incorporates measures and programs of specific support and the parents' agreement to take them







The preamble of the LOMCE shows the importance of developing the **talents of citizens** in the Knowledge Society of the 21st Century. But the intentions reflected in the article are not articulated in the same way in all the autonomous communities as each one has developed its own legislation to extend what is indicated in the state regulations.





Identification and Intervention Measures

The educational attention to HIA in Spain varies according to each autonomous administration and their differential models and resources provided for education.





Differences in the criteria to identify students with HIA are found when analyzing the regional legislation. Autonomous communities focus on IQ as a selection criterion, while others, following the model by Castelló (Castelló & Batlle, 1998), differentiate between simple talent, complex talent, and gifted, adopting other essential indicators for diagnosis such as creativity, high performance, rhythm, and style of learning, or other abilities, such as memory, attention, and concentration or cognitive flexibility





BASIC CRITERIA OF THE AUTONOMIC LEGISLATION FOR THE IDENTIFICATION OF STUDENTS ABILITIES WITH HIGH

Tabla 2.

Basic criteria of the autonomic legislation for the identification of students with high abilities

			attorijo, tito taolitij						
Autonomous	HIA	IQ higher		Creativity	High	Simple Talents	Differentiated	Other	Precocious
communities		to 130	Capacidad. Pc 75		performance	Pc 95/	learning	capacities	(Age
						Complex Pc 90	rhythm and		younger
							style		than 12/13
							-		years)
Andalucía			x	х		x			
Aragón			x	x		x			x
Asturias	x			x	x				
Islas Baleares	x								
Canarias			х			х			x
Cantabria	x			х	х				
Castilla León	x						х		
Castilla la	x						x		
Mancha									
Cataluña	x			x	x	x		x	x
Comunidad	x								
Valenciana									
Extremadura	x			x	х				
Galicia	x			х	х				
Madrid		x		x	x				
Murcia	x			х	х				
Navarra	x						х		
País Vasco			x			x		x	x
La Rioja	x								





Teacher Training

Elices-Simón and Palazuelo-Martínez (2006) reported that the capacity of teachers as identifiers of students with HIA was related to the amount of training they received, and Tourón and Reyero (2002) found significant differences in attitudes toward HIA between teachers who had received specific training in this subject and those who had not. It is clear from these studies that specialized training improves teachers' beliefs, attitudes, and identification of HIA students.





School Context: Curricular Intervention Models

Although the first legislative documents mentioned the need for the **specialization of the centers** for students with HIA, these lists of schools were never published.

At present, LOMCE (2013) establishes that **schools should design a strategic plan**. The **educational project** will involve the **specialization of the schools**, in some of the areas addressed, such as aiming at excellence and meeting the students' specific educational support needs, where students with HIA are included.





The educational measures established on a regular basis are:

(a) curriculum enrichment in mainstreaming, which impliesa horizontal extension of the curriculum, and(b) acceleration.

- There are also Out-of-School Context: Enrichment Programs: they provide a different learning experience from the classroom and cover subjects and activities that ordinary education cannot address. Ex: (Programa Estrella) at Camilo José Cela University (SEK Institution) or the Autonomous Community of Madrid, which have developed an extracurricular intervention program (PEAC)



High Ability students.

Different models

Dra D^a Angeles Bueno Villaverde



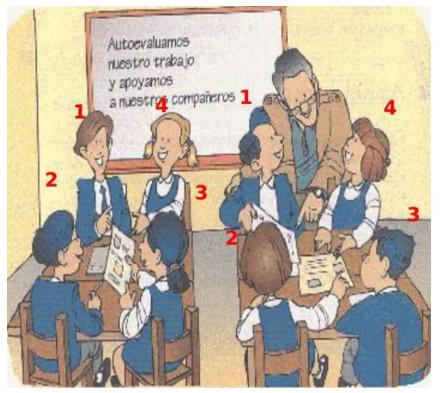
Let's reflect on...

What are the main points regarding identification of HIA and intervention in the article that all of you have read?

Share with your mates what you have understood about the article you have read and make a diagram that could explain all the information.

Let's reflect on...

COOPERATIVE TECHNIQUE: Numbered joint heads



- We team up and this time each team member will have their own number.
- An exercise is proposed and everyone should do it in a while. After the same, the teacher will say the number that indicates who collects the exercise in each team. This is used for

Dra. Dª Ángeles Bueno Villavette team note. Universidad Camilo José Cela

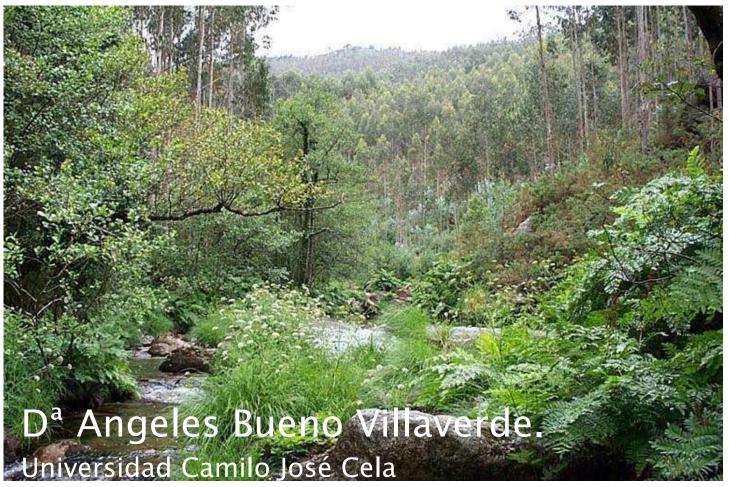
Roles for the formation and operation of the team.

They are those that help the formation of the group and that the work dynamics be effective.

- **1. Moderator**: directs the activities, controls the time, facilitates turn taking...
- 2. Secretary-spokesperson: writes down decisions and agreements, fills in forms, communicates with other groups and the teacher...
- **3. Supervisor of order**: controls voice volume, avoids dispersion, encourages participation...
- **4. Coordinator of tasks**: deals with the material, controls that the work plan is complied with, reviews the duties...
- 5. **Observer**: records the frequency with which the group members adopt behaviors or attitudes appropriate to the role they exercise, controls the rotation of roles...



... and Thanks a million...



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