

El Gegant del Rec School Ingrid de la Barrera Pujol

Generació Plurilingüe (GEP)
Year 2









# PROJECT PLANNING TEMPLATE for CLIL and Content-Rich Environments

## Identification of the GEP project:

Title	"The secrets of The Periodic Table of Elements: Leonardo da Vinci"
Authorship	Ingrid de la Barrera
School	El Gegant del Rec
Students' CEFR Level (A1, A2)	-
Grade	Primary 6
Content area(s)	Arts & Crafts
Number of sessions (4, 6 or 9)	4 sessions
Teacher(s) involved	Magalí Masó - "The secrets of The Periodic Table of Elements: Bioluminescence" (3 <sup>rd</sup> Grade).  Davinia Díaz - "The secrets of The Periodic Table of Elements: Prehistory" (4 <sup>th</sup> Grade).  Ingrid de la Barrera - "The secrets of The Periodic Table of Elements: Leonardo da Vinci" (6 <sup>th</sup> Grade).
Key words	Inventions, artist, chemical elements, creations, historical facts



### 1. OUR PROJECT

#### Introduction:

To introduce this project, there is a video where the pupils can see an actor interpreting Leonardo da Vinci and he will say:

"Buon Giorno! Hello pupils of Primary 6 from Escola El Gegant del Rec. My name is Leonardo da Vinci because I was born in Vinci, Italy, near Florence, in 1452. I am one of the world's best-known artist. I painted Mona Lisa, the world's most famous painting, and other very famous works of art. But I was also one of the most amazing and creative inventors ever to live. I wrote hundreds of notebooks with ideas for inventions; for example, flying machines (like a helicopter and a parachute), war inventions (like armored tanks and a safety bridge), water inventions (like walk-on-water shoes) and art paintings (like the Mona Lisa and the Last Supper). Do you want to discover my life, my ideas and my inventions? Ingrid will introduce you my story through this marvellous book titled Leonardo Da Vinci (Meet the Artist)! Here you are! And, before I go... I want to ask you for a favour... I know you school project of this year is about the Periodic Table of Elements and I am not an expert of it. Can you help me to discover how chemical elements of the periodic table helped me? Thank you very much! I would love to see your creations at the end of the project! Ciao"

After the video, the teacher will tell the story of Leonardo da Vinci through the book mentioned before.

As an enclosure of the project, there will be the same actor congratulating the students for their work by saying:

"Buon Giorno! Hello again! I am so happy and excited to see your work! Thank you very much to help me to discover how chemical elements of the periodic table helped me! Congratulations for your projects! I hope you have enjoyed doing this project about me and you have learned many interesting things! And, as I said: "All our knowledge has its origins in our perceptions". Ciao"

**Driving question**: How did the chemical elements of the periodic table help Leonardo da Vinci?

Final product: A power point in Google Classroom and a craft of one Leonardo's creation.



2. GOALS	2. HOW DO YOU KNOW STUDENTS ARE MAKING PROGRESS? (assessment criteria)
Discover the creations of Leonardo da Vinci.	1.1. Students can name the discoveries and some of their uses. 1.2. Students can build themselves an invention of Leonardo da Vinci.
Relate the chemical elements to some artistic creations.	<ul><li>2.1. Students can label some parts of the creations and the chemical elements used.</li><li>2.2. Students are aware of why some chemical elements are important.</li></ul>
3. Create a presentation in Google Classroom.	3.1. Students can share information (It has got It can) 3.2. Students can give an opinion of their project and the others projects.





# 3. CURRICULUM CONNECTIONS SPECIFIC COMPETENCES AND KEY CONTENTS

Subject-mat	er curriculum	Foreign language curriculum				
Specific Competences Key Contents		Specific Competences	Key Contents			
Perception, understanding and valuation:		Oral Communication:				
body and musical languages	contours, textures, sizes and	simple oral texts appropriate to				
	nificant elements of the forms of social organization and stic heritage nearby, of of attributions of time and		Use of the structures typical of the foreign language in oral productions.			
objects.  Features (formal, material and technological) in the creation of objects and images that have changed or are maintained over time.			Production of messages of social exchange in the classroom and related to thematic content: questions, answers, instructions for work			





Departament d'Ensenyament	DISME PROPERTY OF THE PROPERTY	Gen	eració Plurilingüe (GEP) – 2018-2021
			Individual or group oral presentation of topics worked and using visual and digital media.
			Interest and effort to understand oral productions in the classroom.
Interpretation and production:		Reading Comprehension:	
Use basic elements of visual language with artistic techniques and tools to express themselves and communicate.	Construction and characterization of characters, recreation of imagined spaces, creation of structures, models, decorations and exhibitions.	Apply strategies to obtain basic information and understand written texts simple or adapted from everyday life, the media and the school environment.	Read different types of texts, in paper and digital format, to capture the general sense and extract specific information.
	Interest, appreciation and respect for the artistic fact and for their own and other artistic productions.	Use query tools to gain access to the comprehension of texts.	Use of digital tools for guided search of information in the execution of specific tasks.
Imagination and creativity:		Writing:	
Design and realize multidisciplinary artistic projects and productions	Creativity and imagination in artistic expression and communication.	Produir textos senzills amb adequació a la situació comunicativa i amb l'ajut de suports.	Use of safe and age- appropriate digital communication systems to establish communication channels in the foreign language and for the

More information at: http://grupsderecerca.uab.cat/clilsi/

Generalitat de Catalunya  Departament d'Ensenyament	MARC PER AL PLURILINGUISME	Gen	neració Plurilingüe (GEP) – 2018-2021
			presentation, editing and publication of texts.
		Literary education:	
		Understand and value simple, adapted or authentic literary texts, appropriate at age.	Respect for the productions of others.
		Multilingualism and interculturality:	
		Use multilingual strategies for communication.	Perception of difficulties in multilingual communication and application of verbal and non-verbal strategies to solve situations and adapt to the

speaker in multilingual contexts.





4. 21st CENTURY COMPETENCES					
Collaboration	x Information, media and technology				
Communication	x	Leadership & Responsibility	X		
Problem Solving	x	Initiative & Self-direction	X		
Creative Thinking x Social & Cross-cultural					
Others:					

5. KEY COMPETENCES						
Communicative, linguistic and audiovisual competence x Digital competence						
Mathematical competence		Social and civic competence				
Interaction with the physical world competence		Learning to learn competence	х			







Cultural & artistic competence	x	Personal initiative and entrepreneurship competence	x	
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6. CONTENT (Knowledge and Skills)						
CONTENT-RELATED KNOWLEDGE	CONTENT-RELATED SKILLS					
The content-related knowledge we are going to work is:  - Leonardo the artist and dreamer (paintings used and perspective) - Leonardo's Vitruvian Man - Leonardo in Flight (Parachute) - Leonardo's War Inventions (safety bridge) - Leonardo and Water (Walk-on-water shoes or webbed gloves)  Moreover, we have a content-related knowledge in Common with primary 3 and 4, which are the elements from periodic table used on our projects.	<ul> <li>The content-related skills help students learn through critical thinking, creative thinking, communicating and collaborating.</li> <li>To be more specific, in this project we are going to focus our attention to the following learning skills:</li> <li>The group is able analyze the situation and clearly state an achievable objective.</li> <li>Team building and cooperatively working to achieve the goal.</li> <li>Explaining and defining how an invention works.</li> <li>Building inventions.</li> <li>Listening actively to a story and to the classmates.</li> <li>Using technology to work, concretely Kahoot and Google Classroom.</li> <li>Sharing information, exemplifying, relating facts and ideas, coming to agreements about the project.</li> <li>Evaluating the process.</li> </ul>					

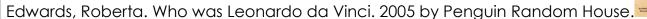


## 7. REFERENCES

Leowardo da Vinci Inventions. 2006 by Noman Press.

MONA JISA JULI SICKEL SE THE SHIFT

Galli, Letizia. Mona Lisa, the secret of the smile. 1996 by Bantam Doubleday Dell Publishing Group.





Geis, Patricia. Leonardo da Vinci. Meet the artist. 2018 by Princeton Architectural.

Music and paintings of Leonardo da Vinci from this Youtube page.



## 8. COMMENTS (optional)

To understand a bit more about this PBL project about Leonardo da Vinci it's important to take into account two main facts:

- It's part of the Interdisciplinary School Project about the Periodic Table of Elements.
- We are three teachers involved in GEP subjects:

Magalí Masó - "The secrets of The Periodic Table of Elements: Bioluminescence" (3rd Grade).

Davinia Díaz - "The secrets of The Periodic Table of Elements: Prehistory" (4<sup>th</sup> Grade).

Ingrid de la Barrera - "The secrets of The Periodic Table of Elements: Leonardo da Vinci" (6<sup>th</sup> Grade).

To work together on this project, the pupils are going to prepare oral presentations in order to expose their discoveries about the secrets of the periodic table to other grades.

I also would like to mention that the group work is heterogeneous, and pupils with Special Needs are going to be helped by other pupils and by the teacher, who will guide their work by giving them extra help.

## 9. ACKNOWLEDGEMENTS (optional)

Thanks to Josep Cortals, who acted as Leonardo da Vinci in the introductory video and in the ending video.





# 10. UNIT OVERVIEW

Session	Activities	Timing	Skills	Interaction	ICT	Assessment
	Introduction (video of an actor who performs Leonardo da Vinci) and show the Driving Question:  How did chemical elements of the periodic table help Leonardo da Vinci?	2 min	L	WG	Video	-
1	Storytelling - Mona Lisa, the secret of the smile.	5 min	L+S	T-S	-	
	Kahoot as reading comprehension  https://play.kahoot.it/#/k/b766af8b  -6cdd-4d2d-a0b1-ae5d0840074d	13 min	R+S+I	SG	Chromebo oks.	SA
	Leonardo's writing through a mirror to discover the text.	20 min	R+W+ S+L+I	SG	Chromebo oks	TA Goal setting. The group analyzes the situation and clearly states an achievable objective.
	Making groups and choose "who	10 min	S+I	S-S and SG	-	TA





			1	T		Flacio i iurilligue (GEI ) - 2010-2021
	makes what". Give some images from Leonardo's Notebooks drafts and the pupils have to say what is the draft about and choose if they want to do the project about the invention shown.					Sharing information
	Rubric of session 1	10 min	R+S+I	S-S and WG	-	SA and PA
	Warm up. Refresh what we did on the last session.	2 min	L+S	WG	-	TA
	Do some research and discuss about the project. Give a worksheet to read about their research and do a reading comprehension.	25 min	L+S+R +W+I	SG and S-S	-	TA Observation and Feedback
2	The teacher hands out 4 envelopes per group and one Chromebook. Inside the envelope there is the role written (EDITOR, SECRETARY, CHECKER AND WEBMASTER). EDITOR - Fills in the oral presentation template. SECRETARY - Fills in the guidelines worksheet.	33 min	R+W+I	SG and S-S	Chromebo	TA Team building and cooperatively working





			•		Gene	racio Piurilingue (GEP) – 2016-2021
	CHECKER - Organizes the work and checks everything is done properly.  WEBMASTER - Has got the Chromebook and prepares the presentation.  This activity will last at least one more session.					
	Rubric session 2 and 3	5 min	S+W+I	S-S and WG	-	SA and PA
3	It's possible that session 2 requires another session to do more research and the preparation of the presentation, therefore, the rubric will be done at the end of both sessions.					
	Warm up. Refresh what we did on previous sessions and get some feedback.	2 min	S+L	WG	-	TA Feedback
4	Hands-on inventions. Give the instructions cut and students have to order them.	15 min	R+S+I	S-S and SG	-	TA Goal setting. They got the whole text.
	Start creating an invention. This activity will last at least one more	38 min	S+L+I	S-S and SG	-	TA Goal setting. The group analyzes the situation and





		1	1	T	Conc	racio Fiurilligue (GEP) - 2016-2021
	session.  This activity will last at least one more session.					clearly states an achievable objective.
	Rubric session 4 and 5.	5 min	S+W+I	S-S and WG	-	SA and PA
5	It's possible that session 4 requires another session to finish properly the hands-on building projects to explore Leonardo's inventions, therefore, the rubric will be done at the end of both sessions.					
6	Oral presentation/Audience- presented product	50 min	S+L+R +I	WG and SG	Power Point	PA and TA Sharing information, exemplifying, relating facts and ideas, coming to agreements about the project.
	Rubric session 6	10 min	S+W+ R+I	S-S and WG	-	SA and PA
	Warm up. Enclosure of the project.	5 min	S+L	WG	-	TA Feedback
7	Video of an actor who performs Leonardo da Vinci.	5 min	L+S	WG	Projection	TA Listen actively





Set the projects at the entrance of the school.	30 min	I	WG	-	AT
Reflection/Assessment (Google Forms)	20 min	R+W	S-S	Chromebo oks	SA and AT



## 11. SESSION PLANNING

### **SESSION 1:** Who was Leonardo da Vinci?

Objectives of the session:

- To discover some creations of Leonardo da Vinci.
- To listen actively to a story.
- To apply strategies to obtain basic information and understand written texts.
- To build a team and cooperatively work to achieve the goal.

#### Content-obligatory language for the session:

- How did chemical elements of the periodic table help Leonardo da Vinci?
- Italy Vinci Florence
- He was born in... He died in...
- Inventions, discoveries, paintings,...

	Activities include: Name and description; Assessment tool (if any); Material (including language support)	Ö	**			Q
1.1	Name and description: Introduction. Video of an actor who performs Leonardo da Vinci. At the same time the Driving Question is presented.  Assessment tool: Check that students are listening actively.	2'	<b>✓</b>	<b>✓</b>	<b>✓</b>	-



	Gene	racio P	<u>iuriiing</u>	jue (Gi	<u> </u>	<u>018-202</u>
	Material: Video - \$1- Introductory video (the language support are images - \$1 introductory video images)					
1.2	Name and description: Storytelling "Mona Lisa, the secret of the smile". The teacher tells the story and interacts with the students.  Assessment tool: Check that students are listening actively.  Material: The book - S1 Story Mona Lisa The Secret of the Smile.	5'	<b>✓</b>	<b>✓</b>	_	<b>✓</b>
1.3	Name and description: <b>Kahoot as reading comprehension</b> . Pupils are in groups of 4 and they have to play Kahoot about the story "Mona Lisa, the secret of the smile".  Assessment tool: Self-Assessment, according to the answers of Kahoot.  Material: <a href="https://play.kahoot.it/#/k/b766af8b-6cdd-4d2d-a0b1-ae5d0840074d">https://play.kahoot.it/#/k/b766af8b-6cdd-4d2d-a0b1-ae5d0840074d</a> *Click the link to get in the web page.	13'	<b>\</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>
1.4	Name and description: Leonardo's writing through a mirror to discover the text.  Assessment tool: Correct the worksheets  Material: Mirrors	20'	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>



A worksheet (flashcards) with the texts to discover - <u>\$1 Mirror activity</u>. When he was fourteen, his father MIRROR ACTIVITY - Leonardo's Handwriting (Session 1) He had notebooks with apprenticed him to an artist named Conando da Vinci thousands of experiments, Andrea del Verrocchio in Florence. inventions and discoveries. The most famous of all Renaissance In 1482, he moved to Milan men and women is probably He died in 1519. to work and there he painted Leonardo da Vinci. The Last Supper. He was born in the After Milan, he went back to small Italian town of Florence and Vinci in 1452. he painted the Mona Lisa. A worksheet to write the texts discovered - <u>\$1 Revealing Mirror Texts</u> REVEALING MIRROR TEXT Write down here Leonardo da Vinci's writings about his life, that you find



1.5

1.6



Generació Plurilingüe (GEP) - 2018-2021 Name and description: Making groups and choose "who makes what". Give some images from Leonardo's Notebooks drafts and the pupils have to say what is the draft about and choose if they want to do the project about the invention shown. Assessment tool: -Material: Flashcards of the inventions and discoveries used on session one. 10' Name and description: Rubric of session 1 Assessment tool: Rubric Material: Worksheet of the rubric LEONARDO DA VINCI PROJECT 10' SELF-ASSESSMENT DUBDIC From SESSION 1 The group can... I can..

Leonardo da Vinci

name some inventions/creations of

listen to the story "Mona Lisa, the





## **SESSION 2:** What chemical elements helped Leonardo?

Objectives of the session:

- Label some parts of the creations and the chemical elements used.
- Be aware of why some chemical elements are important.

Content-obligatory language for the session:

- Mona Lisa, The Last Supper, parachute, webbed gloves, perspective, safety bridge and Vitruvian Man.
- I am the... editor, secretary, checker and webmaster.
- Specific vocabulary of the reading texts according to the group.

	Activities include: Name and description; Assessment tool (if any); Material (including language support)	<b>S</b>	***			O <sub>k</sub>
2.1	Name and description: Warm up. Refresh what we did on the last session.  Assessment tool: -  Material: Flashcards of the inventions and discoveries used on session one.	5'	<b>✓</b>	<b>✓</b>	_	_





Name and description: Do some research and discuss about the project.

The teacher hands out 4 envelopes per group and one Chromebook. Inside the envelope there is the role written (EDITOR, SECRETARY, CHECKER AND WEBMASTER).

EDITOR - Fills in the oral presentation template.

SECRETARY - Fills in the guidelines worksheet.

CHECKER - Organizes the work and checks everything is done properly.

WEBMASTER - Has got the Chromebook and prepares the presentation.

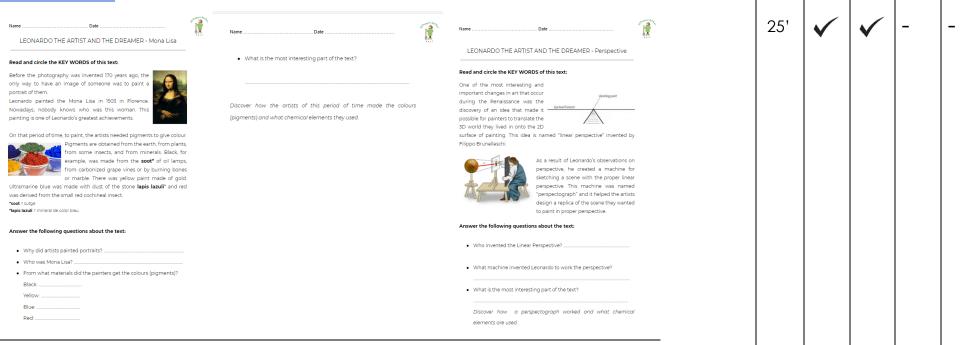
This activity will last at least one more session.

Assessment tool:

Material: Worksheet of Leonardo the... (each group their worksheet) - S2 Leonardo

#### the...Worksheet

2.2





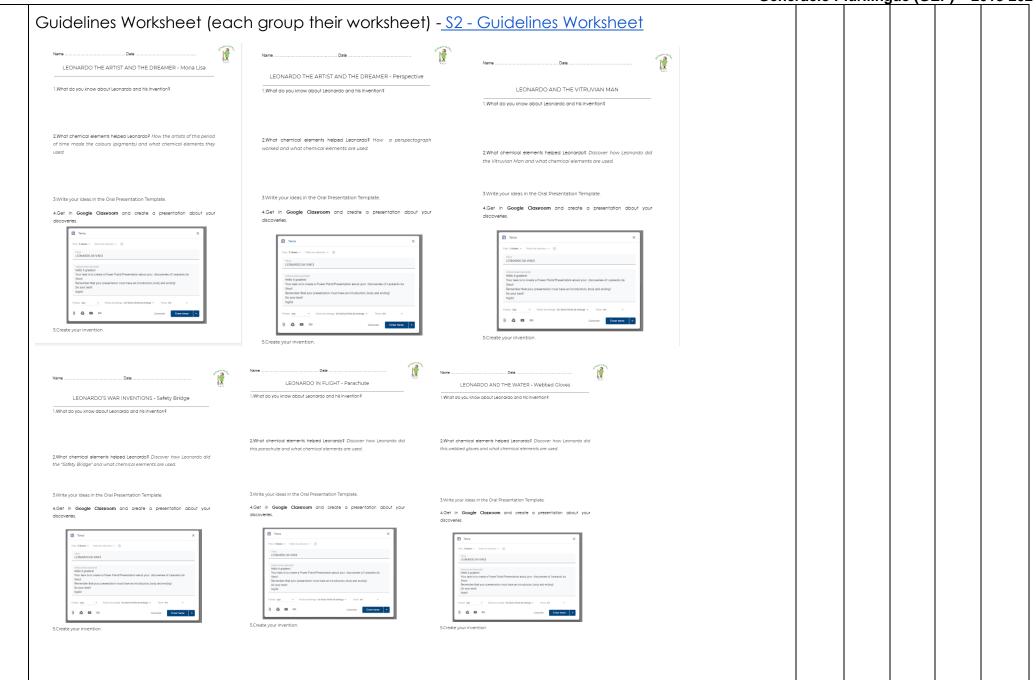


Generació Plurilingüe (GEP) - 2018-2021 LEONARDO IN FLIGHT - Parachute LEONARDO AND THE VITRUVIAN MAN LEONARDO'S WAR INVENTIONS - Safety Bridge Read and circle the KEY WORDS of this text: Read and circle the KEY WORDS of this text: Read and circle the KEY WORDS of this text: One of Leonardo's most famous quick sketches is of a tiny stick figure suspended from a supporting bridge between 1485-1487. It was used as an parachute. Leonardo's parachute design emergency bridge made by consists of linen cloth\* held open by a pyramid an army\* out of necessity, that are superimposed (drawn over the top of of wooden poles\*. He tasted his parachute from plants, which they each other). The figure's arms and legs are find at the river banks. from trees. drawn in two different positions, while the rest his unique design is held of the body stays in one position. The figure is But in the year 2000, Adrian Nicholas worked without requiring any drawn standing inside both a circle and a connections. Da Vinci called it "The Bridge of Safety". for months on a replica of Leonardo's parachute. He even used In 1996, a Norwegian artist saw a model of the bridge and canvas and wood. He tried it with an extra parachute in case convinced the government to build a wooden version of the The drawing and text are sometimes called the Proportions of Man. The Leonardo's one was a disaster! drawing is based on the ideal proportions of a man's body, and how this \*linen cloth = roba de llençol \*wooden poles = pals de fusta Answer the following questions about the text: Answer the following questions about the text: Answer the following questions about the text: What is a "Safety Bridge"? . What materials are used to design this parachute? • What is the Vitruvian Man? Who tried to do a replica of this parachute in 2000? . What materials where used to build it? · What materials did Leonardo use to make this drawing? · What is the most interesting part of the text? · What is the most interesting part of the text? · What is the most interesting part of the text? Discover how Leonardo did this parachute and what chemical elements Discover how Leonardo did the "Safety Bridge" and what chemical Discover how Leonardo did the Vitruvian Man and what chemical elements are used. LEONARDO AND THE WATER - Webbed Gloves Read and circle the KEY WORDS of this text pair of gloves that would work like fins\*. It appears he was mainly thinking about how someone could use them to survive in a tempest. The annotation said "glove with membranes for swimming in the sea" The gloves were designed to be tied around the wrists and were made of leather with wooden ribs to stiffen\* them. They were shaped kind of like a seabird's foot (goose, turtle or frogs). Answer the following questions about the text: What are webbed gloves? What materials are used to design this webbed gloves? What is the most interesting part of the text? Discover how Leonardo did this webbed gloves and what chemical

elements are used











		Generacio		, (	<u>.ı ) – 2</u>
orksheet about the structu	re of the oral presentation - <u>S2 - Oral presentation template</u>				
Name Date	Name Date				
ORAL PRESENTATION TEMPLATE	LANGUAGE SUPPORT				
GREETINGS AND TOPIC going to talk about.  Say helio to the audience and say what are you going to talk about.					
	GREETINGS AND TOPIC MEMBERS OF THE GROUP PRESENTATION				
MEMBERS OF THE Present yourselves.  GROUP	Hello We are				
Describe the topic with the use of visual support.	Cood morning Good afternoon				
	Today we will talk about  We are here to present				
CHEMICAL Explain what chemical elements are important.	INVITE TO QUESTIONS ENDING Have you got any question? We hope you enjoyed our oral				
ELEMENTS INVOLVED	Do you want to ask something? presentation.  Thank you for listening.				
INVITE TO Ask the audience if they have any questions.  QUESTIONS	Coodbye. See you soon.				
ENDING Say goodbye and thank you to the audience.					
Periodic Table of the Elements					
No.   No.     No.   No					
velopes with the roles of th	ne group - <u>S2 - Group Roles.</u>				
EDITOR					
SECRETARY					
CHECKER					
WEBMASTER					
1					





				,		
2.3	Name and description: <b>Start the presentation</b> (power point) in Google Classroom. This activity will last at least one more session.  Assessment tool: Teacher Assessment in Google Classroom.  Material: Chromebooks - Google Classroom	30'	<b>✓</b>	<b>✓</b>	<b>~</b>	-
2.4	Name and description: Rubric session 2  Assessment tool: Rubric  Material: Worksheet of the rubric    Dater	5'	•	<b>✓</b>	_	•





## **SESSION 4:** Hands-on inventions

Objectives of the session:

- Work cooperatively in groups.
- Be able to build one of Leonardo da Vinci's inventions.

Content-obligatory language for the session:

- Materials used on each invention (according to the group).
- I need... Can I borrow..., please? Can I have..., please? Thank you.

	Activities include: Name and description; Assessment tool (if any); Material (including language support)		***			O <sub>k</sub>	
4.1	Name and description: Warm up. Refresh what we did on previous sessions and get some feedback, talk about the Group Roles, whether they worked or not.  Assessment tool: -  Material: -	5'	<b>✓</b>	<b>✓</b>	-	-	
4.2	Name and description: <b>Hands-on inventions</b> . Give the instructions and students have to follow them to start building the invention.  Assessment tool: -	15'	<b>✓</b>	<b>✓</b>			





Generació Plurilingüe (GEP) - 2018-2021 Material: Worksheet S4 - Build it yourself, with some clues/steps. LEONARDO THE ARTIST AND THE DREAMER - Mona Lisa LEONARDO THE ARTIST AND THE DREAMER - Perspective 5 Look through your perspectograph and trace the outline of the scene onto the CD case with the dry erase marker. Then remove the CD case from Make Your Own Paint the frame-you will have a small but accurate on a piece of paper, a board, or even a flat rock.

Try experimenting with dirt taken from different locations—you'll be surprised at the vari-Tape a sheet of acetate (clear plastic) onto the window, and line up the perspectograph with the acetate so when you look through the eyepiece 3 Try other ingredients: the pistils or stamens of daylilies, for examp the acetate is between you and the scene you want to sketch. Draw the will make a bright yellow paint, as will crambled saffron. Charcoal will make a grayish black paint. Experiment with natural ingredients you can find eye. Make sure when you look through outline of the scene you see through the evepiece onto the acetate, then transfer it to a sheet of tracing paper. und your house, yard, or park. Just remember that in order to work well. they need to be crushed to a fine powder, then mixed with the egg yolk. Prom the book "Ametring Leonardo da Vinci Inventions." You can build yourself by Mexike Anderson. Bit Normad Press. From the book "Amazing Leonardo da Vinci Inventions. You can build yourself by Maxine Anderson.
Bu Momed Press. LEONARDO AND THE VITRUVIAN MAN LEONARDO'S WAR INVENTIONS - Safety Bridge Make Your Own Portable Bridge Build your own Vitruvian Man - Mesuring Tape 3 Now lay out two more 3-foot-long sticks and follow the directions as do's bridge is that the supports are "woven" into a grid that makes the bridge - Pencil to end, making sure that the last foot of each mini ladder is overlapping. Take the last foot-long ladder rung and place it under the two - Photographs To determine if the Vitruvian theory, that height is equal to arm span, is Working with a partner, accurately measure each other's arm span and 5 Take the last two 3-foot ladder pieces and place one end of each on Does it happen the same with children and top of the last ladder rung on one side, under the center ladder rung, and back on top of the top ladder rung on the other side. This will make the bridge arc. Lash the ends of the long pieces to the rungs. What other curiosities can you discover? 6 Lay brush, boughs, and whatever else you have to cover the framework and make your bridge support more weight. If you don't have brush ful you don't fall through!)





Generació Plurilingüe (GEP) - 2018-2021 LEGNARDO AND THE WATER - Webbed Gloves LEONARDO IN ELIGHT - Parachute Make Your Own Webbed Gloves widthwise. Use your pencil to mark the middle of the Unfold it. Using your ruler, draw a straight line from the 4 If you would like to decorate your triangles, now is the time to do it. Re-member that only one side of the paraengthwise so that half the tape is on th Name and description: Start creating an invention. This activity will last at least one more session. Assessment tool: -35' Material: The material used on each invention.



4.4



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Name and description: Rubric session 3

Assessment tool: Rubric

Material: Worksheet of the rubric

				Date	:	
From SESSION 4 and 5	I can		The	group	can	
	(\$)	( )	<b>e</b>	(\$)	To ID	For example (3 words)
discover the chemical elements implied in Leonardo's inventions/creations.						
create an invention from Leonardo.						
help my classmates to fulfill this work.						

5'

## **SESSION 7:** The end of the project.

Objectives of the session:

- Give their opinion and evaluate their work.
- Show their work at the entrance of the school.

Content-obligatory language for the session:

- What do you think about...?
- What is your opinion about...?
- Google Docs
- Titles for the exhibition of their work.

#### **Activities**

include: Name and description; Assessment tool (if any); Material (including language support)















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	*It's important to take into account that we have done the oral presentations previously in session 6.					
	Name and description: Oral presentation/Audience-presented product					
	Assessment tool: Rubrics about the oral presentations - TA					
	Material: Worksheet about the structure of the oral presentation - <u>S2 - Oral presentation template</u>					
	Name Date					
	ORAL PRESENTATION TEMPLATE					
	CRESTINGS AND Soy helio to the audience and say what are you					
	PRESENTATION  MEMBERS OF THE Present yourselves.					
*6	GROUP  BODY Cascrobe the track with the use of sixed support.	50'			_	_
				_		
	CHEMICAL Explain what chemical elements are important. ELEMENTS INVOLVED					
	INVITE TO QUESTIONS  Ask the audience if they have any questions.					
	ENDING Say goodbye and thank you to the audience.					
	Periodic Table of the Elements					
	Name and description: Enclosure - video of an actor who performs Leonardo da Vinci.					
7.1	Assessment tool: -	2'	<b>✓</b>	<b>✓</b>	$\checkmark$	_
	Material: <u>S7 - Enclosure Video</u>		·	·		
	Name and description: Set the projects. The groups place their projects at the entrance of the					
	school with their power points printed and their suitable titles.					
7.2	Assessment tool: <b>Reflection/Assessment.</b> The pupils finish the rubric worksheet to close the project	58'		<b>V</b>	-	<b>V</b>
	and they have to fill in a Google Forms to get their opinion about all the projects. And moreover,					





he teacher makes the assessment and checks all the information from the Rubrics and Goo			
to tode for thakes the assessment and checks all the information from the Robites and Ook	ogie		
orms.			
Material: All the projects done by the students.			
Worksheet of the rubric			
Worksheet of the foolic			
Date:			
From SESSION 6 I can The group can  For example (3 words)			
share information in English with my classmates.			
be proud of my work.			
be proud of my work.			
be proud of my work.  Once the project is finished, write			
Once the project is finished, write			
Once the project is finished, write  3 things you found out			
Once the project is finished, write  3 things you found out 2 interesting things 1 question you still have			
Once the project is finished, write  3 things you found out 2 interesting things			
Once the project is finished, write  3 things you found out 2 interesting things 1 question you still have  Google Docs			
Once the project is finished, write  3 things you found out 2 interesting things 1 question you still have			
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# Teaching Materials

Due to the amount of teaching materials I have considered better to attached all the materials after each activity within the template.