



TINCTORIA PLANT GARDEN

CIFP MENDIZABALA LHII



PLANT & PAINT

¿HOW ARE WE
GOING TO
CREATE A
TINCTORIA
PLANT GARDEN
IN OUR SCHOOL?



The project



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PLAN A

MENDIZABALA STUDENTS

- SPECIAL NEEDS STUDENTS.
 - DESIGN THE GARDEN.
 - HELP TAKING CARE OF THE GARDEN.
 - TAKE PART IN THE WHOLE PLANT & PAINT PROJECT.
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PLAN ^

MENDIZABA.

MISSION FAILED

NEEDS
S.

GARDEN.

CARE OF

PART IN THE
WHOLE PLANT & PAINT
PROJECT.

PLAN B

EL CARMEN GARDENING SCHOOL

- STUDENTS WHO HAVEN'T FINISHED COMPULSORY EDUCATION.
 - UNDERGOING GARDENING STUDIES.
 - HELP DESIGN THE GARDEN.
 - COUNSELLING.
-



PLAN B

EL CARMEN GARDENING
SCHOOL

- STUDENTS WHO HAVEN'T FINISHED COMPULSORY EDUCATION.
 - UNDERGOING GARDENING STUDIES.
 - HELP DESIGN THE GARDEN.
 - COUNSELLING.
-

Methodology

ETHAZI METHODOLOGY

Challenge based learning



ETHAZI WHEEL



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PROGRAMME FOR ESTABLISHING SCHOOL GARDEN (WORK PACKAGE III)

We are going to work with students who did not finish their compulsory education years and took the two year course on gardening in the school EPA El Carmen, near our institute. The garden is going to be planned and kept by them (with the help of our students) in our premises and our students will process and manufacture the products for the research.

ETHAZI METHODOLOGY

the whole process will be carried out twice in two consecutive academic years



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	Create and activate teams (Mendizabala + El Carmen)	Present the challenge and motivate (Mendizabala + El Carmen)	Look for information and acquire knowledge (El Carmen)	Generate alternatives and proposals (El Carmen)	Choose the best proposal (Mendizabala + El Carmen)	Plan and carry out actions (Mendizabala + El Carmen)	Create and Present outcomes (Mendizabala)	Reflect and Evaluate the whole process and the results (Mendizabala + El Carmen)
YEAR 24-25	Oct 2024	Oct 2024	Nov 2024	Dec 2024	Dec 2024	Jan 2025	June 2025	June 2025
YEAR 25-26	Sept 2025	Sept 2025	Sept 2025	Oct 2025	Oct 2025	Oct 2026	April 2026	May 2026



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Where did the idea come from?



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RESEARCH FIELDS:

Automotive
Cosmetics



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FOUR RESEARCH GROUPS

**GROUP 1: TINCTOREUM PLANT
GARDEN**

**GROUP 2: PIGMENT
EXTRACTION FROM PLANTS**

**GROUP 3: COSMETOLOGY USE
OF PLANT PIGMENTS**

**GROUP 4: AUTOMOTIVE PLANT
PIGMENTATION**



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DYE FOR TEXTILE





FROM DYE TO PIGMENT

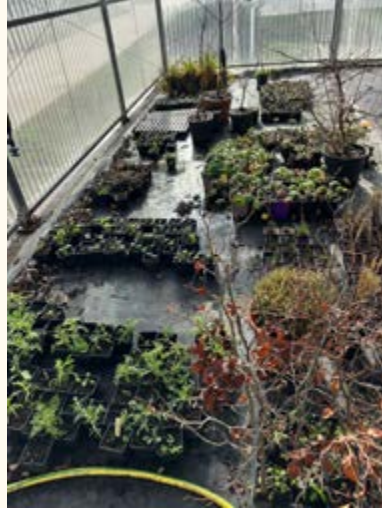
<https://pigmentosorganicos.net/>



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In January 2025 we plant the seeds of the dye plants in the seedbed so they can grow.



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In March, we reuse drums for irrigation.



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In April 2025, the students from El Carmen came to collaborate with the garden.



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Also in April, other departments (welding, bodywork) were asked to collaborate in recycling and reusing some metal parts that were going to be thrown away...



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In July, lavender harvesting and garden watering in the summer.



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In October, recycling and reuse of pallets to use the wood in garden landscaping.





In November, we
plant the dye plants.



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WHAT'S
NEXT



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