

PRÉSENTATION

DU LYCÉE LEHEC DE SAINT HILAIRE

FILIÈRE STI2D



SOMMAIRE

1 – PRÉSENTATION DE LA STI2D

- DÉFINITION DE LA STI2D + MÉTIERS TYPES
- PARCOURS POUR ATTEINDRE LA STI2D
- LA SECTION ITEC
- COURS VOLUMES HORAIRES + LES SALLES

2 – LES TP ET LES PROJETS

- TP
- DÉMARCHE PROJET
- RÉALISATION DE PROJETS
- EXEMPLES DE PROJETS

3 – LA VIE AU LYCÉE

- RÉPARTITION DES BATIMENTS
- INTERNAT, SELF, CDI, MDL, FOYER

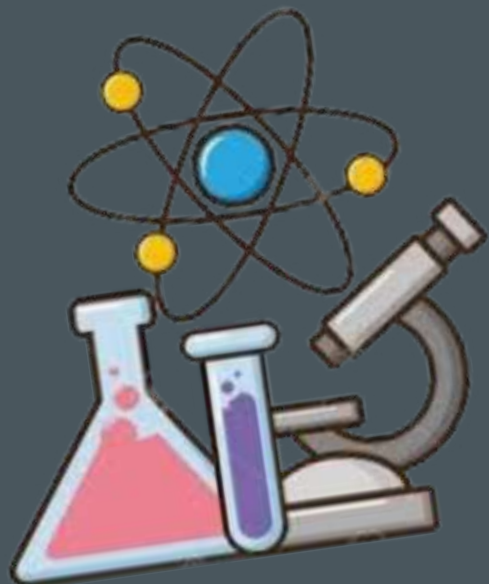


I – PRÉSENTATION DE LA STi2D



DÉFINITION DE LA STi20

S CIENCES **T** ECHNOLOGIES **I** NDOUSTRIE **20** ÉVELOPPEMENT DURABLE



MÉTIERs TYPES

BAC +2 [BTS]



BAC +3 [BUT]



BAC +5





**PARCOURS POUR
ATTEINDRE LA ST120**

TERMINALE STI2D
[ITEC, SIN, AC, EE]

**AUTRES FILIÈRES
[GÉNÉRAL]**

1ERE STI2D

**SECONDE GÉNÉRALE
ET TECHNOLOGIQUE**

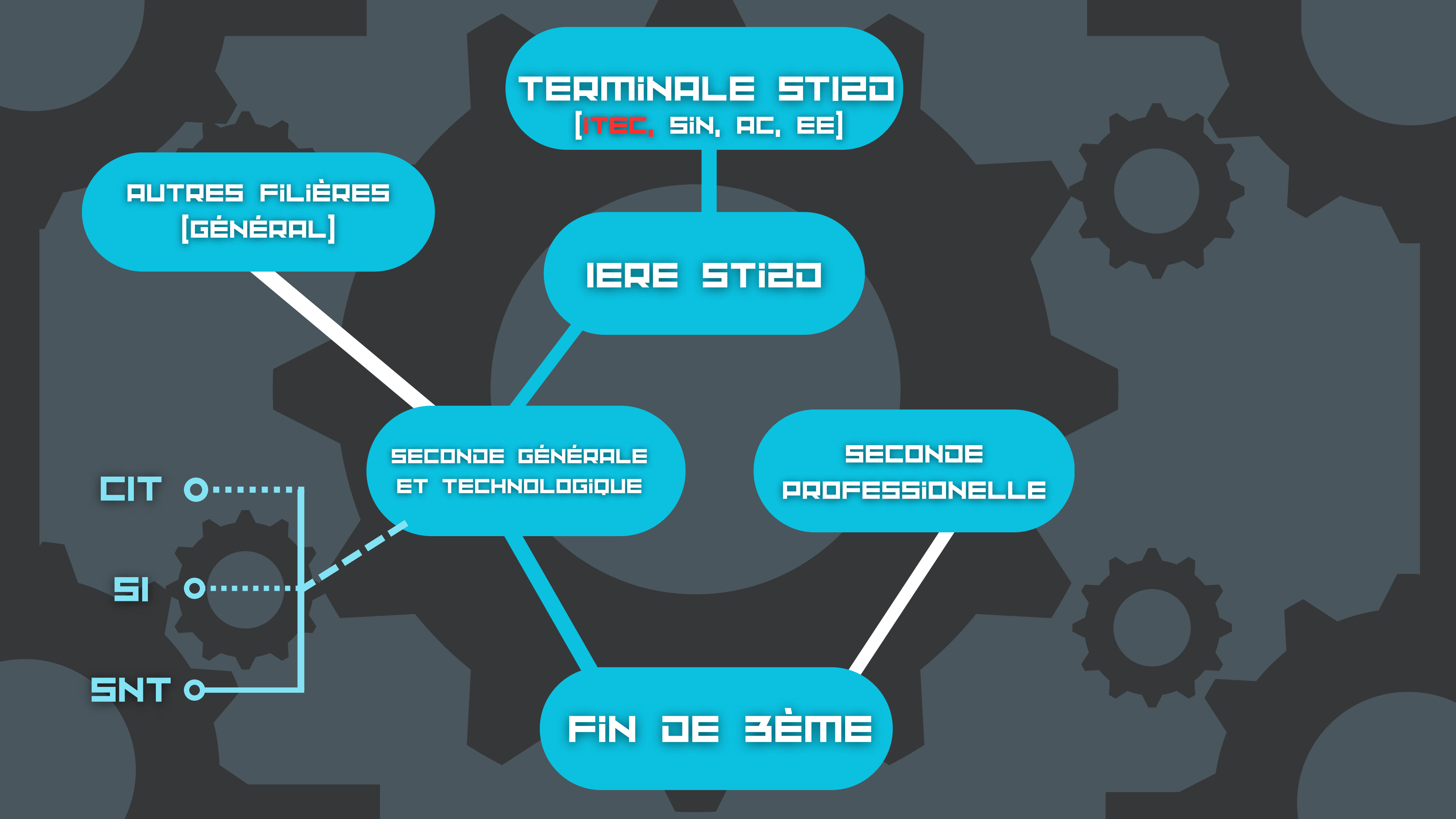
**SECONDE
PROFESSIONNELLE**

FIN DE 3ÈME

CIT ○.....

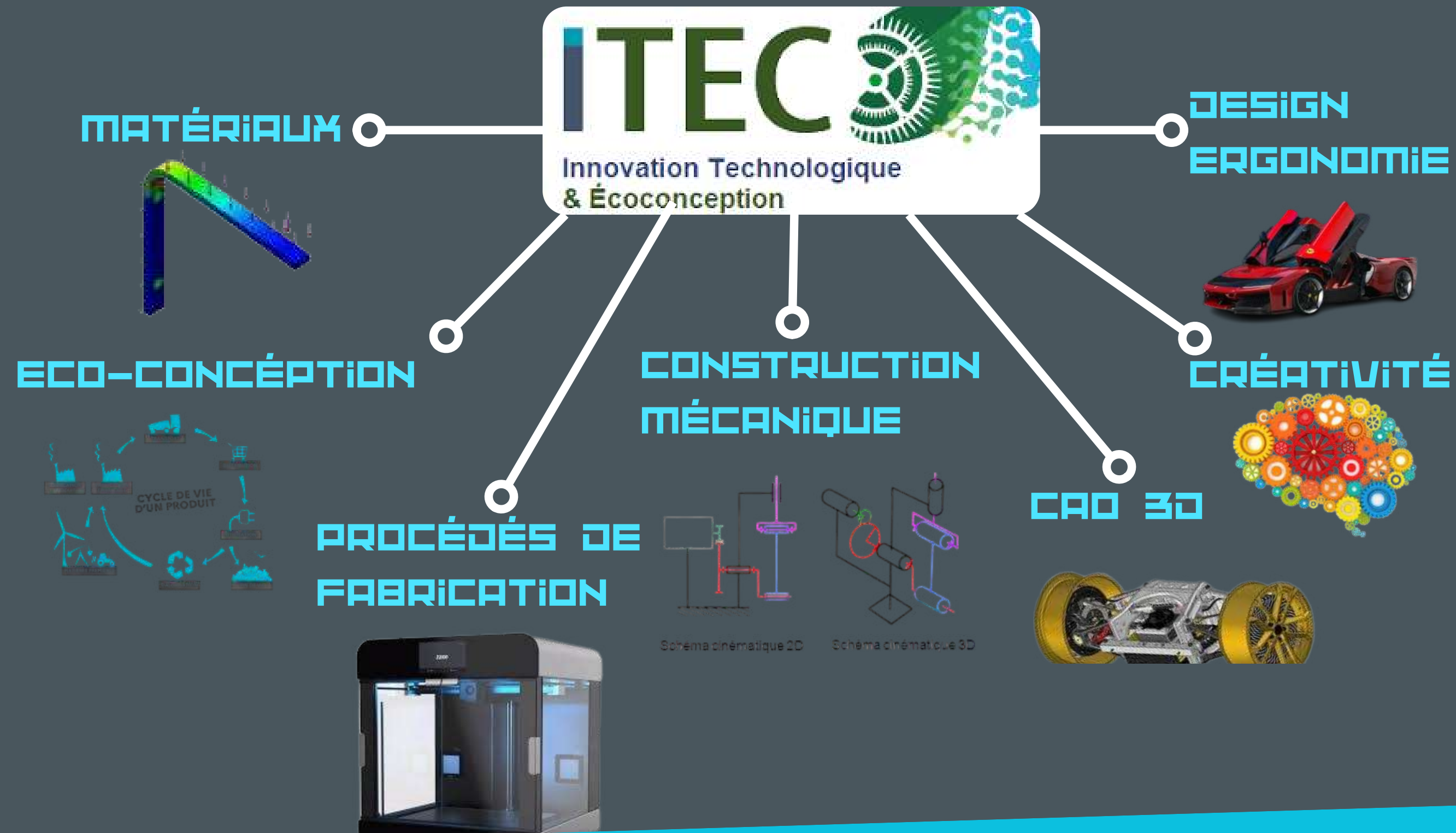
SI ○.....

SNT ○.....



LA SECTION ITEC

INNOVATION TECHNOLOGIQUE ET ÉCO-CONCEPTION





RÉPARTITIONS DES COURS



HORAIRES EN SECONDE

FRANÇAIS

5H

HISTOIRE-GÉOGRAPHIE

3H30

LANGUES VIVANTES

5H30

SES

1H30

MATHÉMATIQUES

5H

SVT

1H30

EPS

2H

SNT

1H30

OPTIONS [Si] Cit]

1H30 - 3H

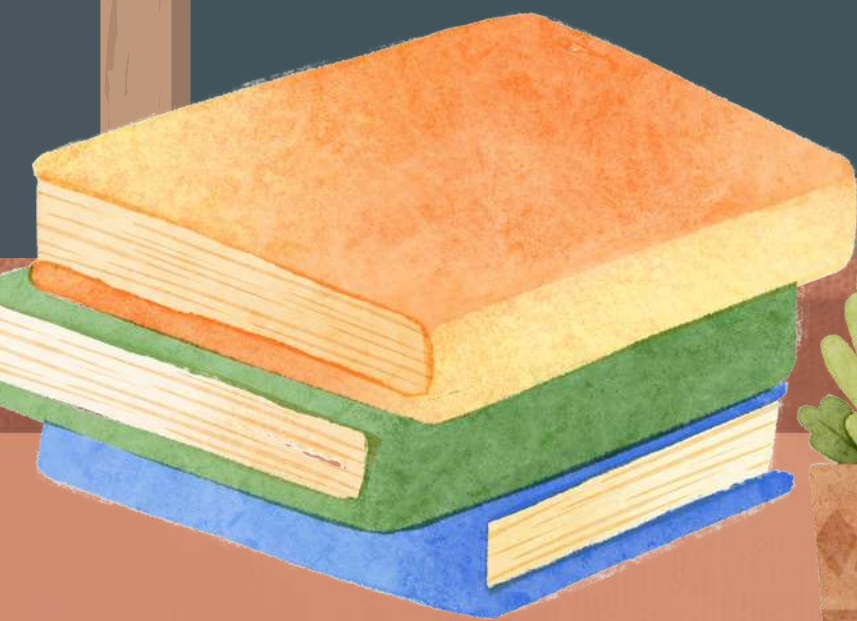
PHYSIQUE CHIMIE

3H

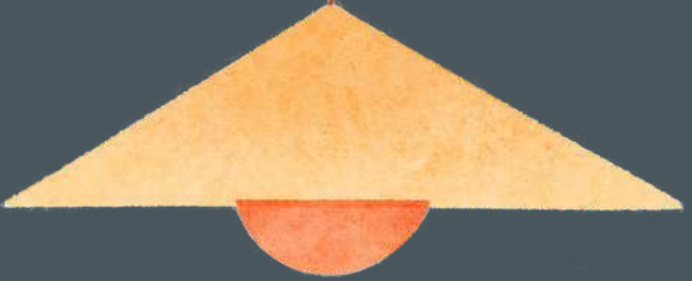
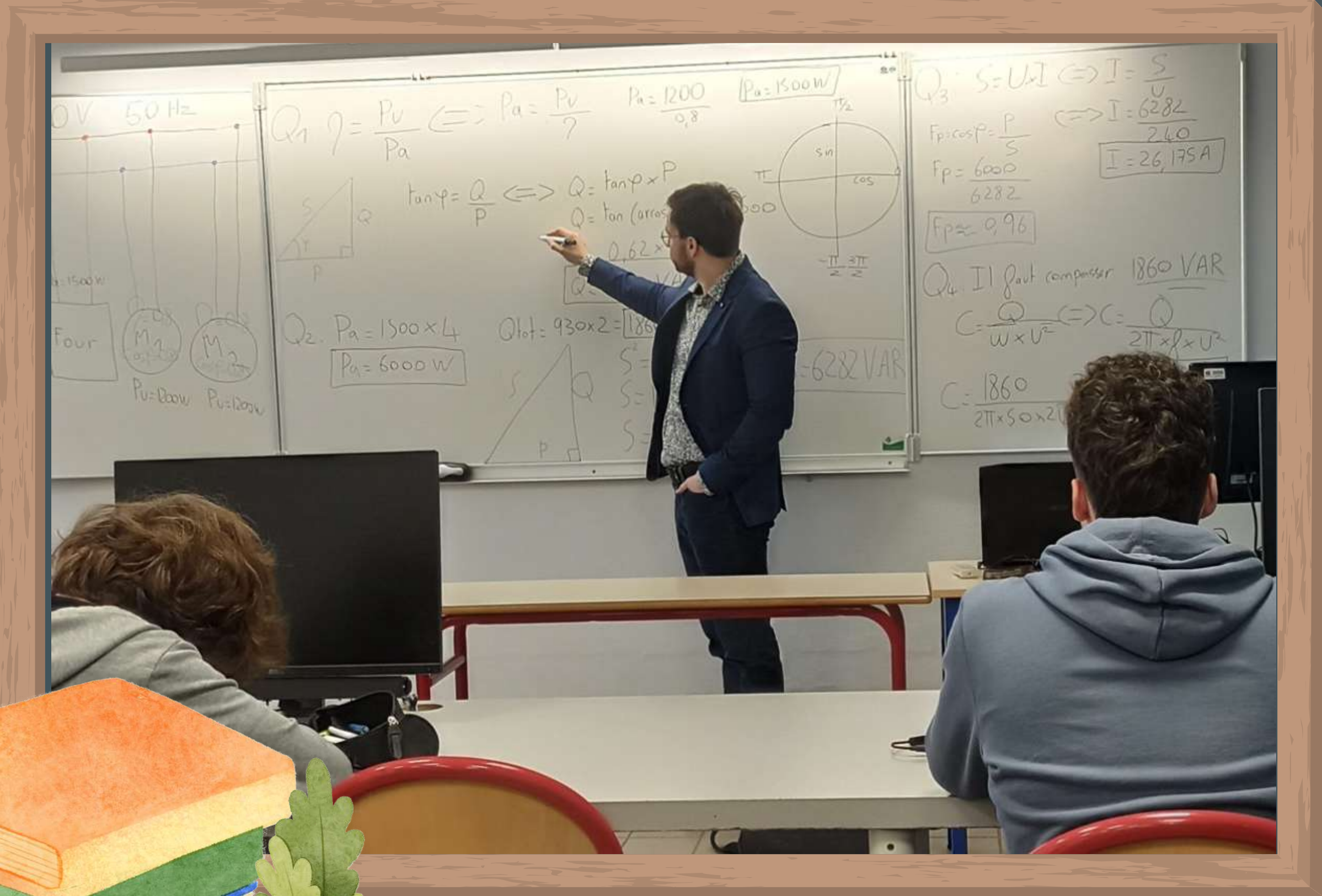
HORAIRES PREMIÈRE J TERMINALE

	PREMIÈRE	TERMINALE
FRANÇAIS	3H	
HISTOIRE-GÉOGRAPHIE	2H	2H
LANGUES VIVANTES	3H	3H
ETLV	1H	1H
PHILOSOPHIE		2H
MATHÉMATIQUES	5H	5H
i2D	9H	12H
IT	3H	
PHYSIQUE CHIMIE	4H	5H
EPS	2H	2H

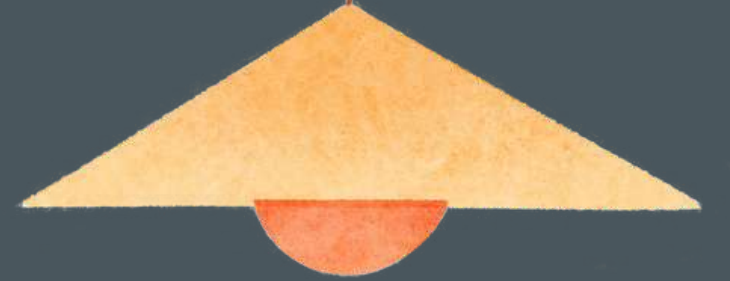
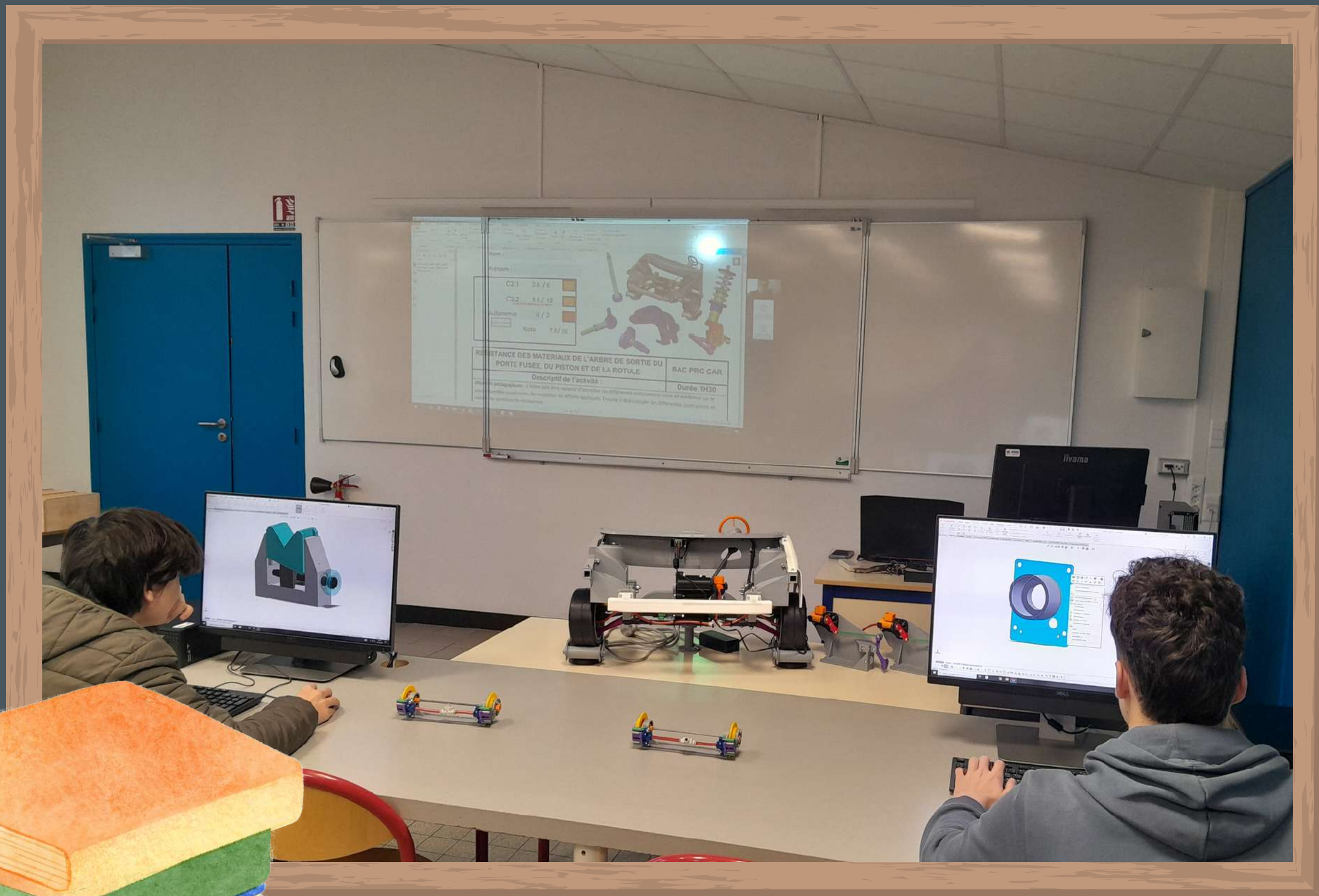
LES DIFFÉRENTES SALLES



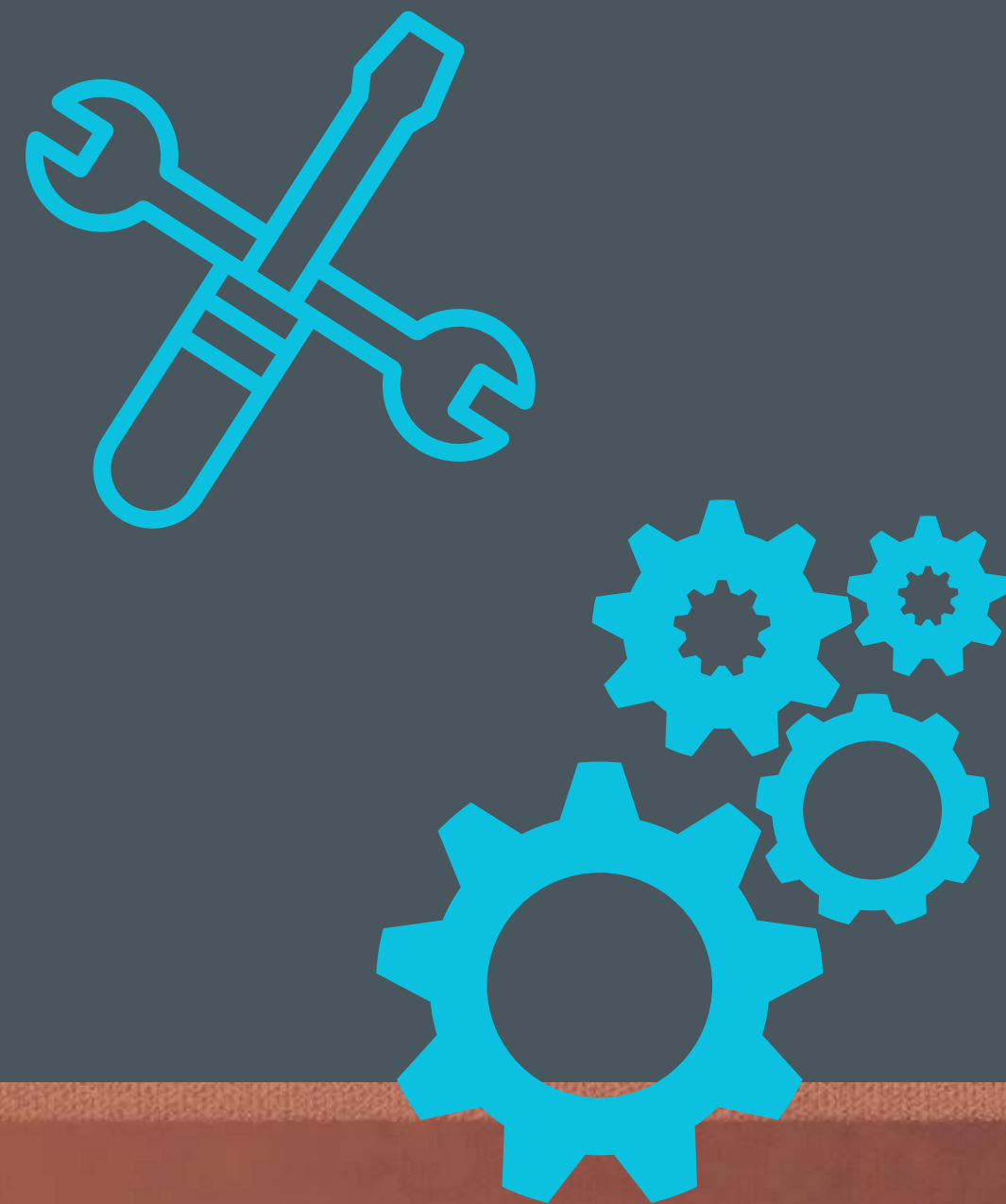
SALLES TECHNIQUES



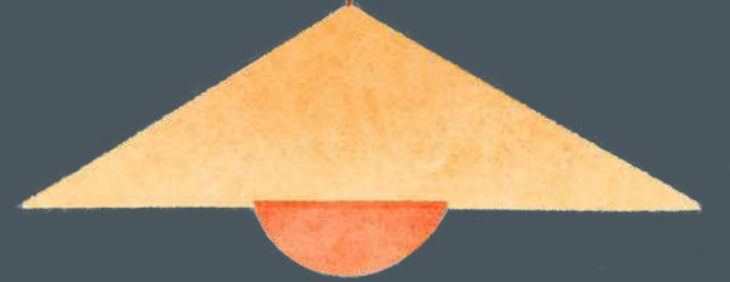
SALLE TECHNIQUE



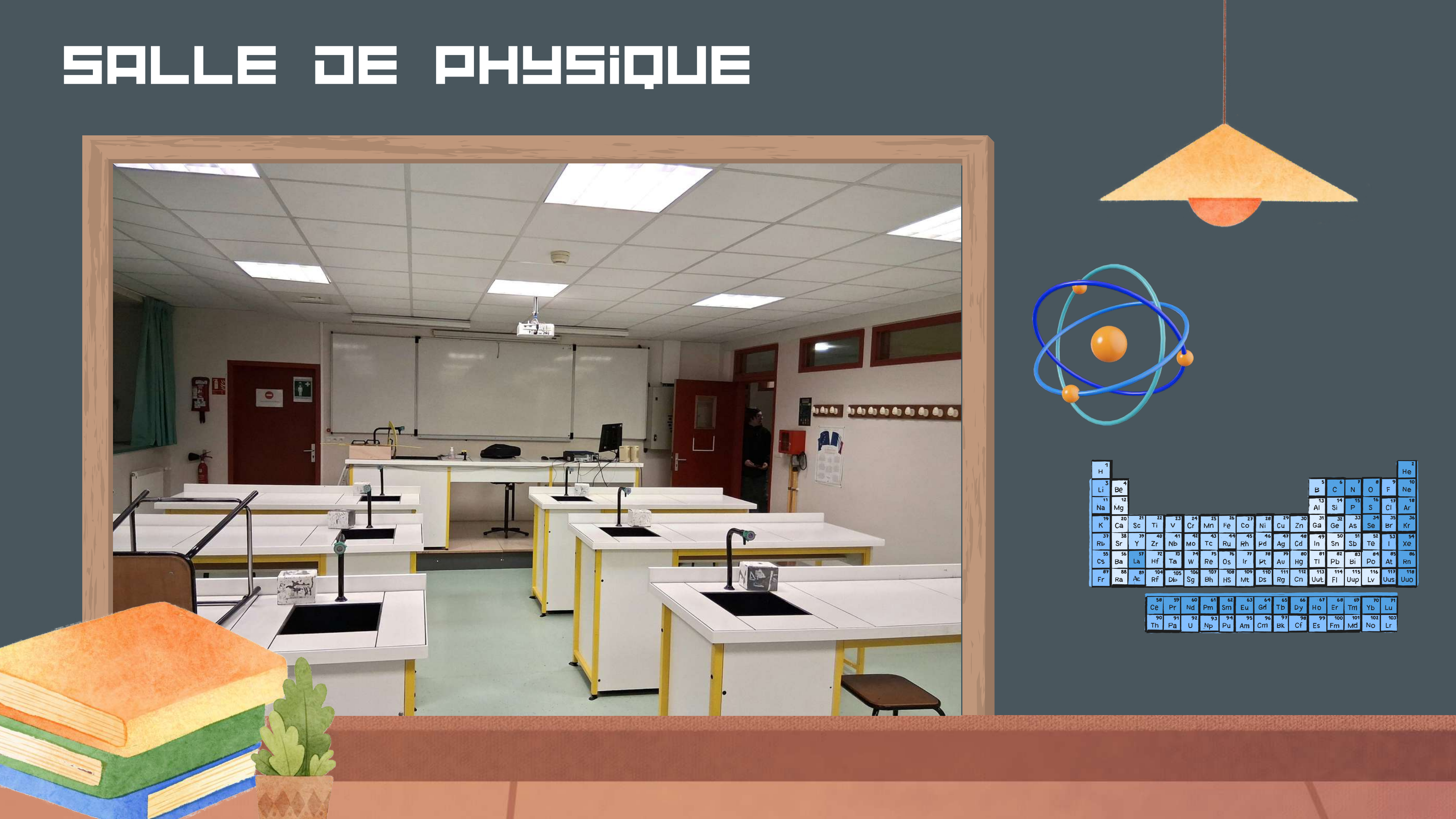
SALLE DE TP



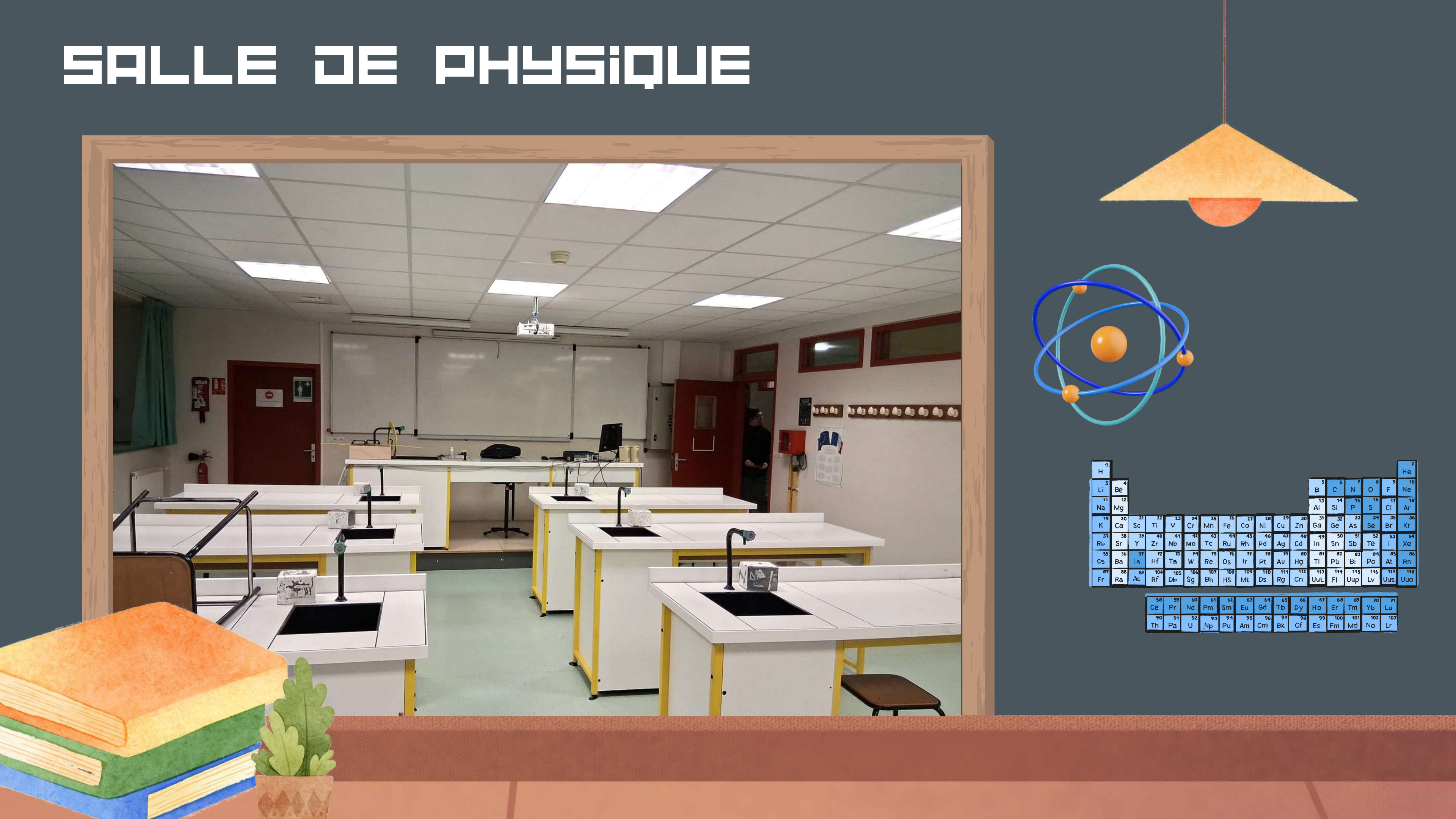
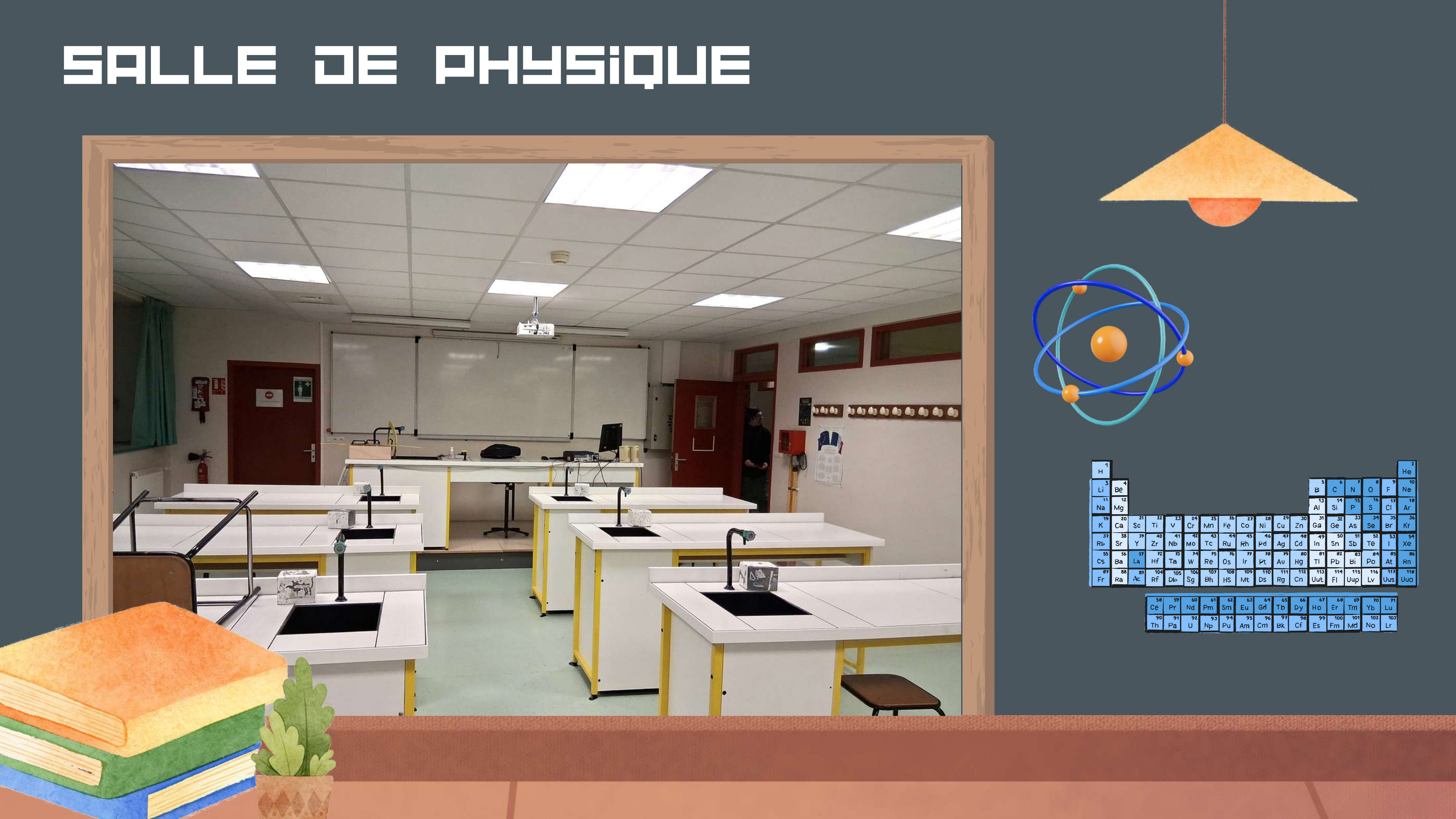
SALLE DE LANGUE



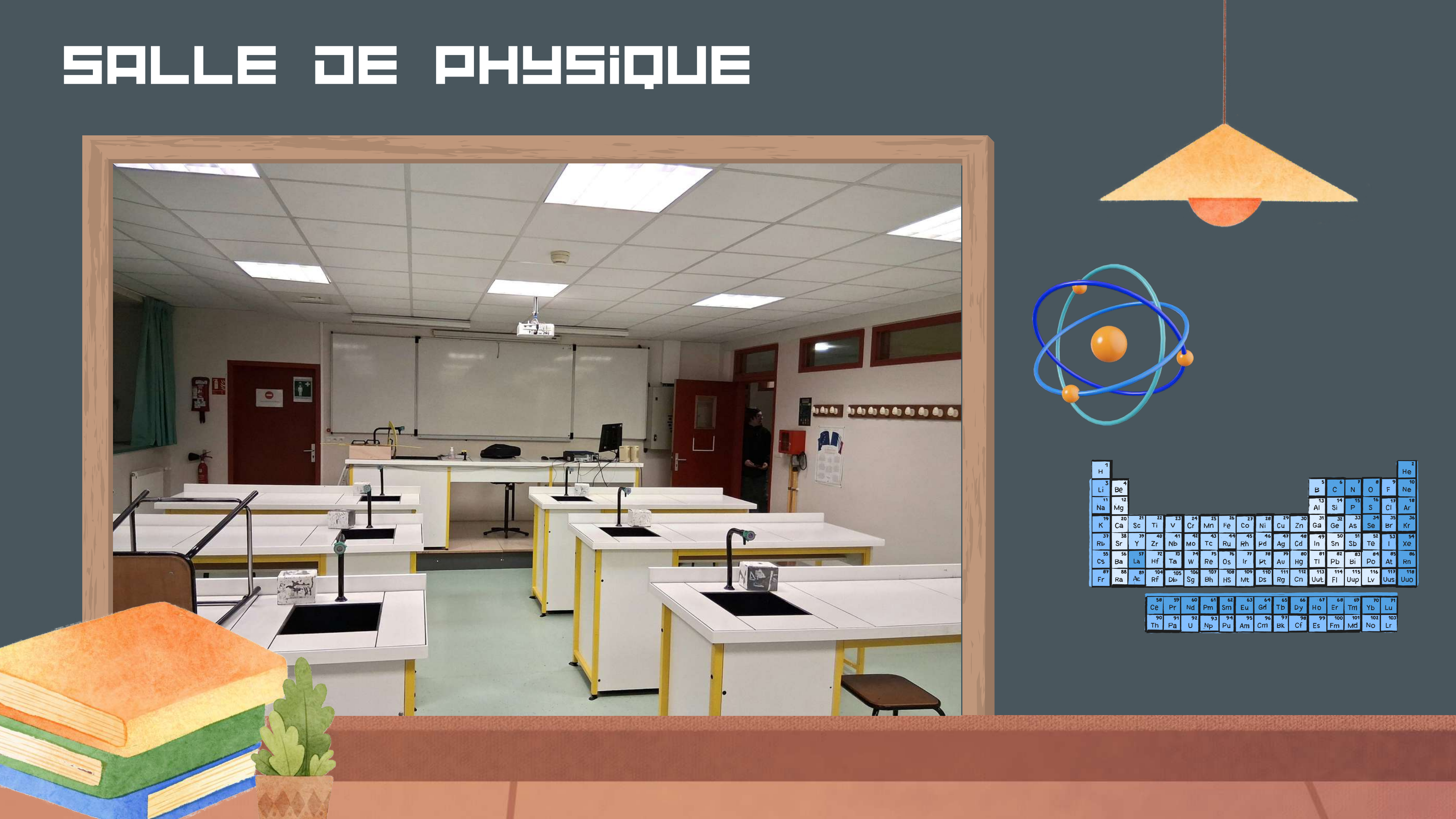
SALLE DE PHYSIQUE



The image is a collage centered around physics. The main feature is a photograph of a physics laboratory, framed by a thick brown border. The lab has white tables with yellow legs, each equipped with a black sink and a faucet. In the background, there are whiteboards, a red door, and a person standing near another red door. The ceiling has several rectangular light fixtures. To the right of the lab photo, there is a stylized orange light bulb hanging from a cord. Below the light bulb is a model of an atom with a central orange nucleus and three blue elliptical orbits, each with a small orange sphere representing an electron. Below the atom model is a periodic table of elements, color-coded by groups. In the bottom left corner, there is a stack of three books with orange, green, and blue covers, and a small potted plant with green leaves in a brown pot.



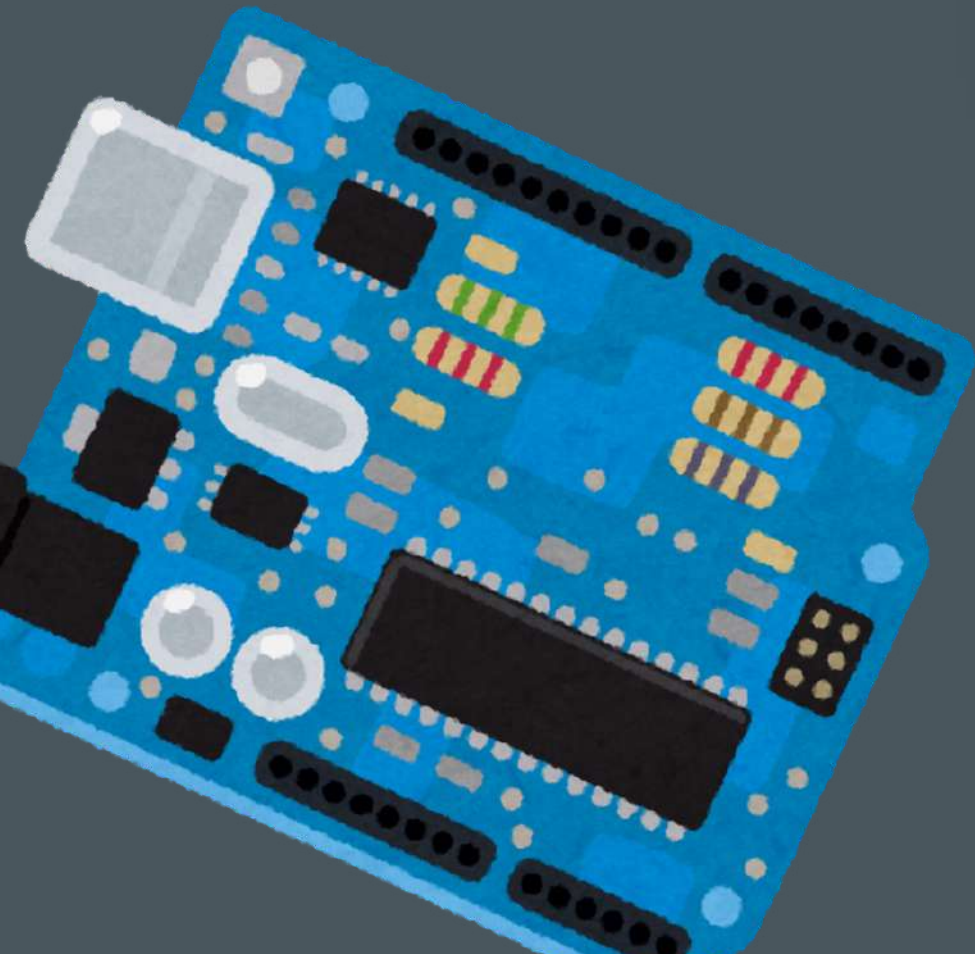
SALLE DE PHYSIQUE



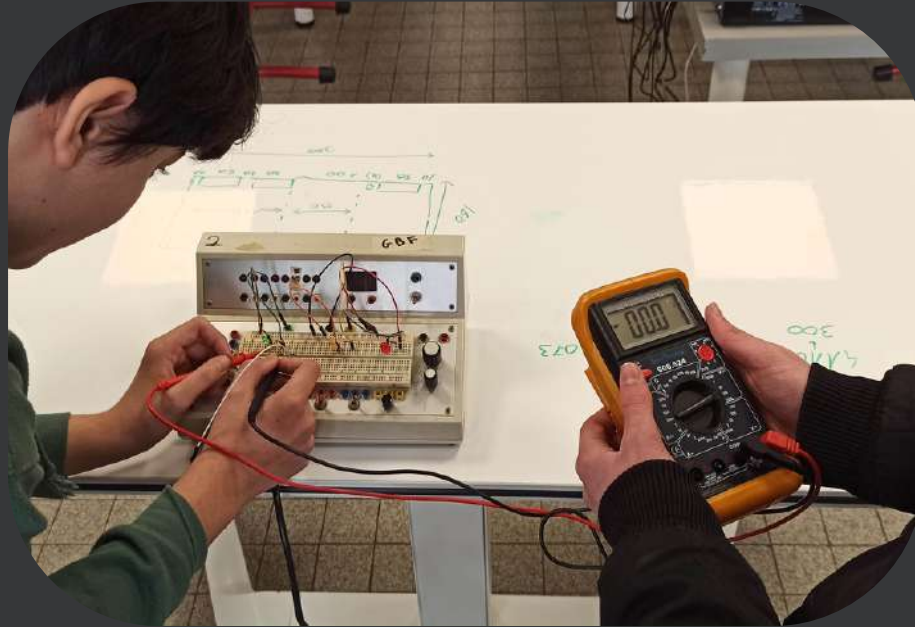
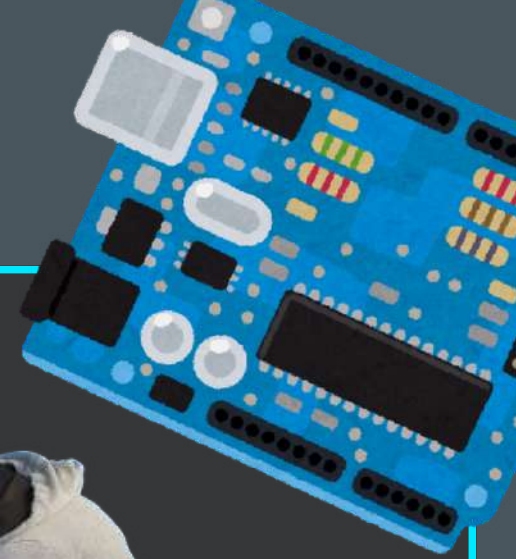
The image is a collage centered around physics. The main feature is a photograph of a physics laboratory, framed by a thick, hand-drawn brown border. The lab has a white tiled ceiling with several rectangular fluorescent light fixtures. In the foreground, there are several white lab benches with yellow metal frames. Each bench has a black sink and a black faucet. Some benches have equipment like a stand with a clamp or a small box on them. In the background, there are whiteboards, a red door, and a person standing near another red door. To the right of the lab photo, there is a hand-drawn orange light bulb hanging from a cord. Below the light bulb is a hand-drawn model of an atom with a central orange nucleus and three blue elliptical orbits with small orange spheres representing electrons. Below the atom model is a hand-drawn periodic table of elements, colored in shades of blue and white. In the bottom left corner, there is a hand-drawn stack of three books in orange, green, and blue, with a small green potted plant next to them. The entire collage is set against a dark grey background.



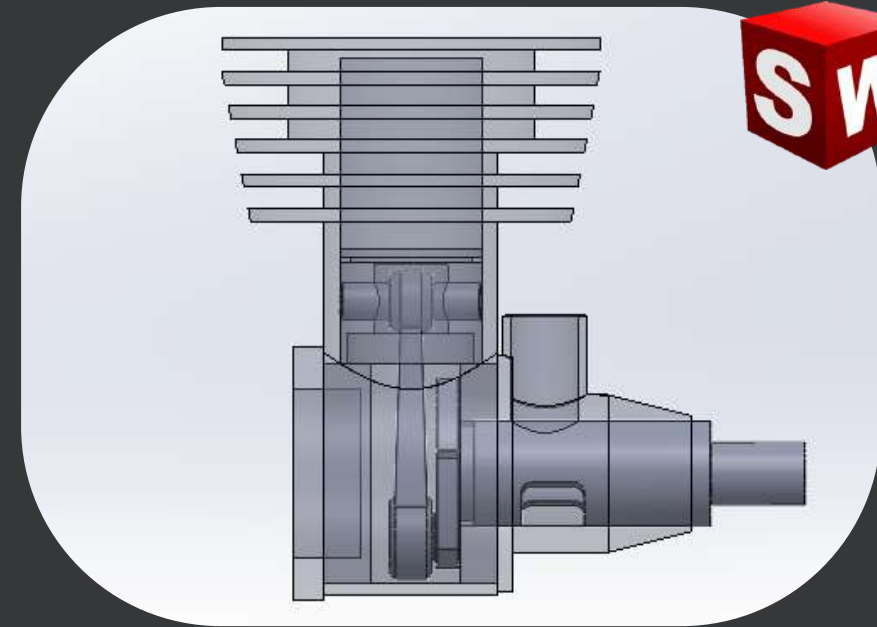
LES TP ET LES PROJETS



LES TP :



• CARACTÉRISATION ÉLECTRONIQUE



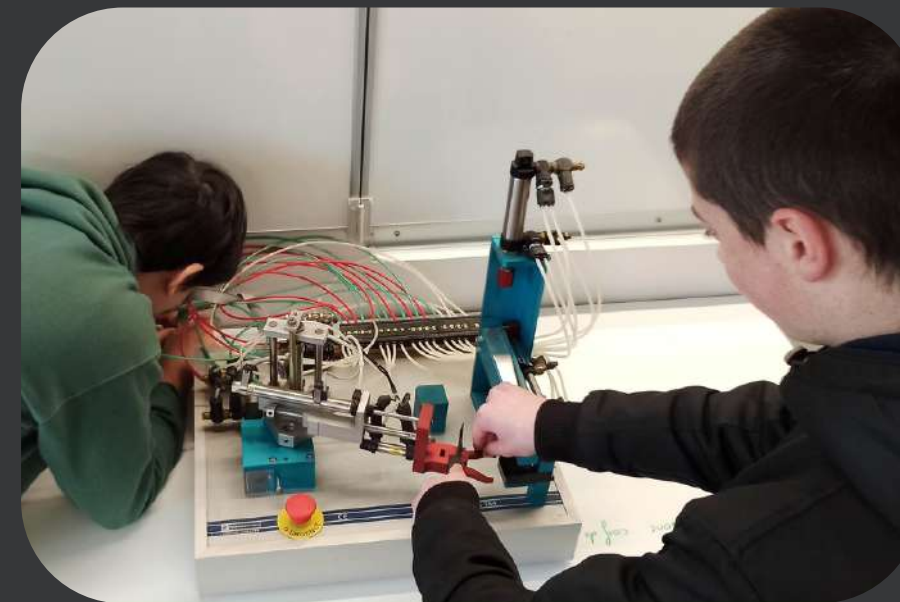
• MODÉLISATION D'UN MOTEUR SUR SOLIDWORKS



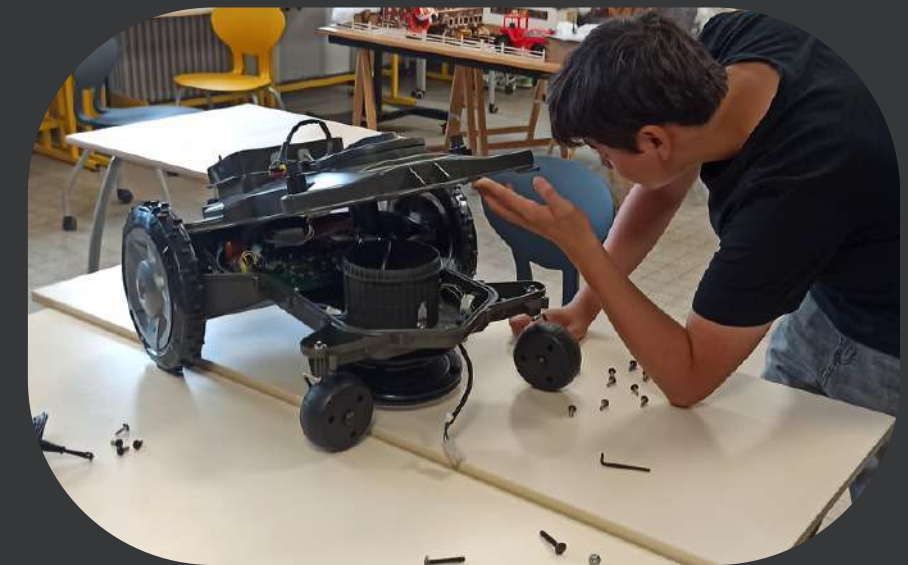
• ANALYSE CINÉMATIQUE



• MACHINE À GLAÇON



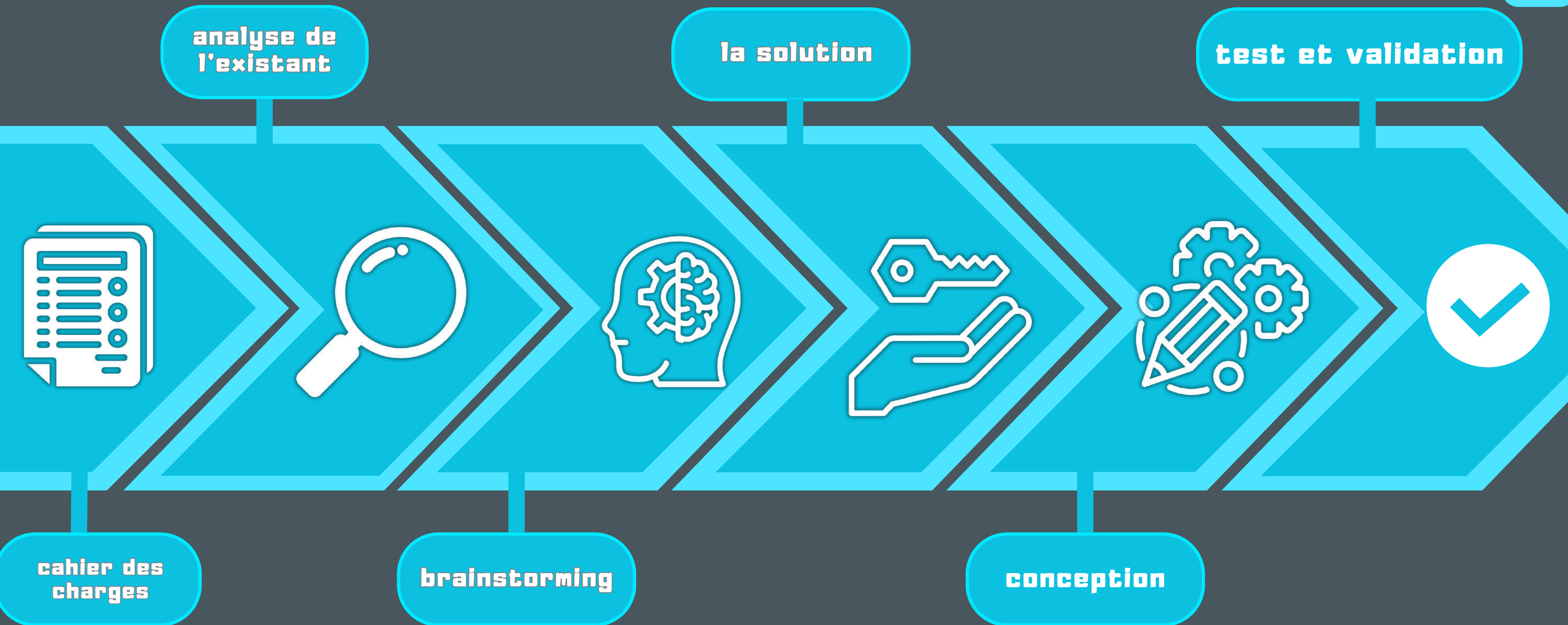
• CALCUL PNEUMATIQUE



• ÉTUDE STRUCTURELLE
ROBOT TONDEUSE



DÉMARCHE DE PROJET :



RÉALISATION DE PROJETS :

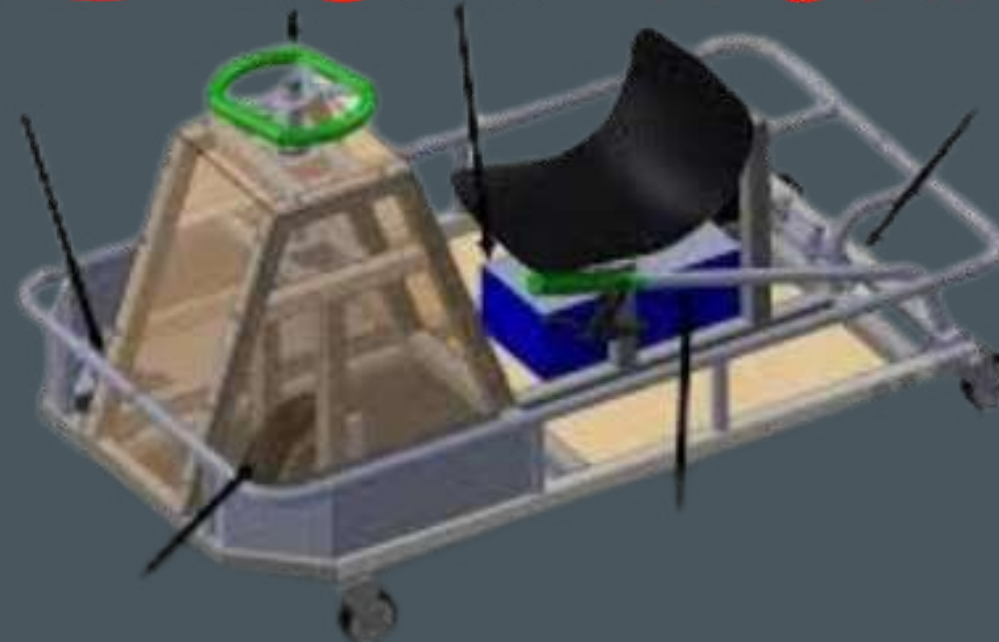
LE FAB LAB



TOUR À MÉTAUX



3D SOLIDWORKS



IMPRESSION 3D



DÉCOUPEUSE LASER



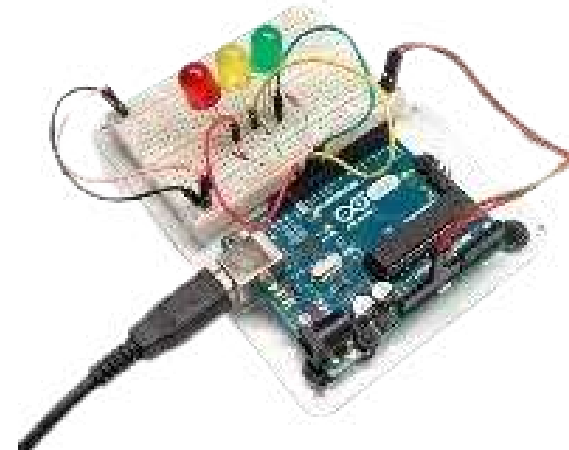
EXEMPLE DE PROJETS :

PROJETS DE SECONDE

DÉCOUVERTE
CONCEPTION



DÉCOUVERTE
ÉLECTRONIQUE-
PROGRAMMATION



```
1 from microbit import *
2 from utime import sleep
3
4 for luminosite in range(1,9,2):
5     for ligne in range(5):
6         print('ligne',ligne)
7         display.set_pixel(ligne,ligne,luminosite)
8         sleep(0.5)
9     for ligne in range(5):
10        display.set_pixel(4-ligne,ligne,luminosite)
11        sleep(0.2)
12    for ligne in range(4,-1,-1):
13        print('ligne',ligne)
14        for colonne in range(5):
15            display.set_pixel(colonne,ligne,0)
16            sleep(0.5)
17    for luminosite in range(1,9,2):
18        for ligne in range(5):
19            print('ligne',ligne)
20            display.set_pixel(ligne,ligne,luminosite)
21            sleep(0.5)
22        for ligne in range(5):
23            display.set_pixel(4-ligne,ligne,luminosite)
24            sleep(0.2)
25        for ligne in range(4,-1,-1):
26            print('ligne',ligne)
27            for colonne in range(5):
28                display.set_pixel(colonne,ligne,0)
29                sleep(0.5)
30    for luminosite in range(1,9,2):
31        for ligne in range(5):
```

EXEMPLES DE PROJETS :

PROJETS DE PREMIÈRE

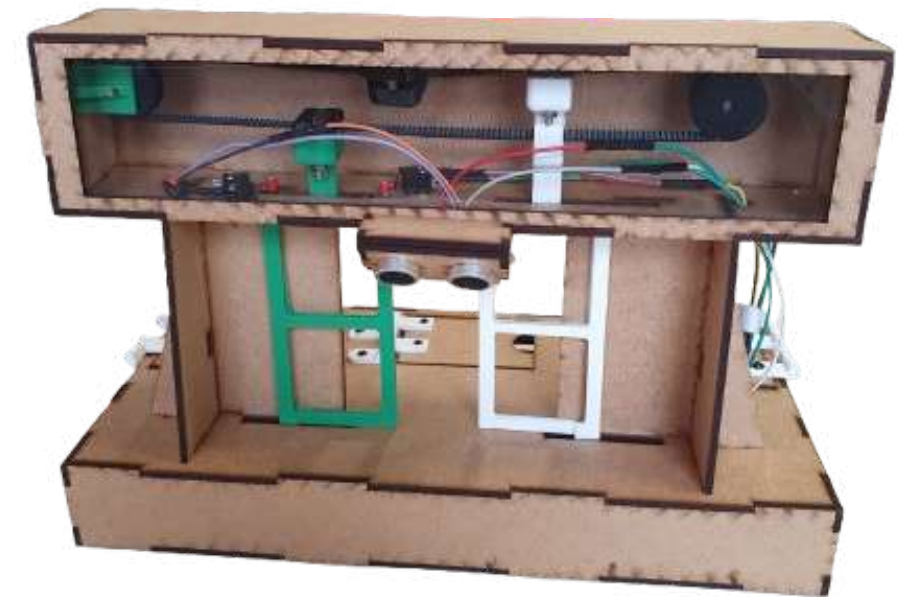
SUPPORT DE TÉLÉPHONE



BARRIÈRE AUTOMATIQUE



PORTAIL AUTOMATIQUE



EXEMPLES DE PROJETS :

PROJETS DE TERMINALE

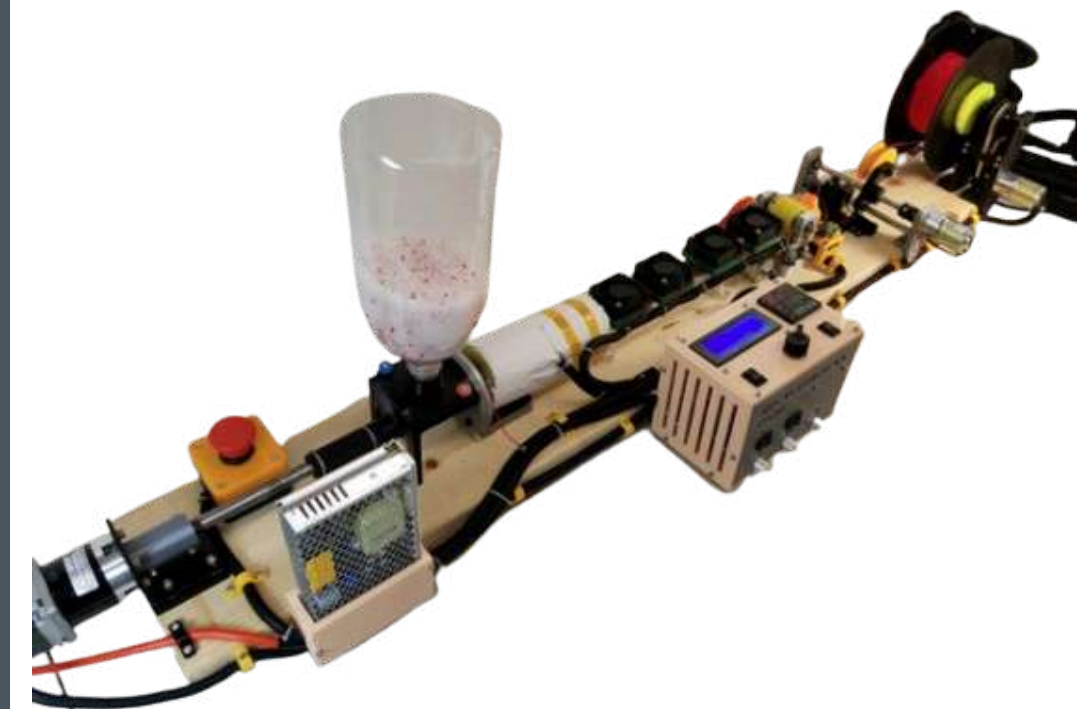
DRIFT KART



PROTHÈSE

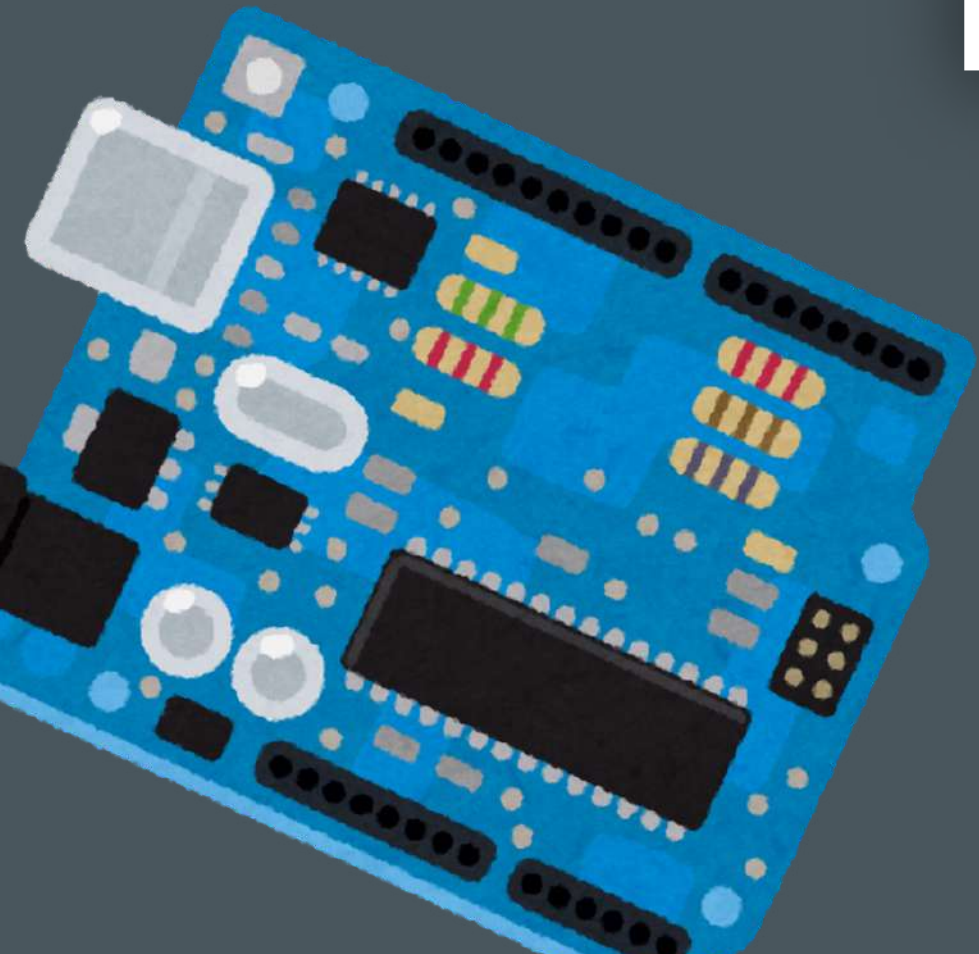


RECYCLEUR DE P.E.T





LA VIE LYCÉENNE



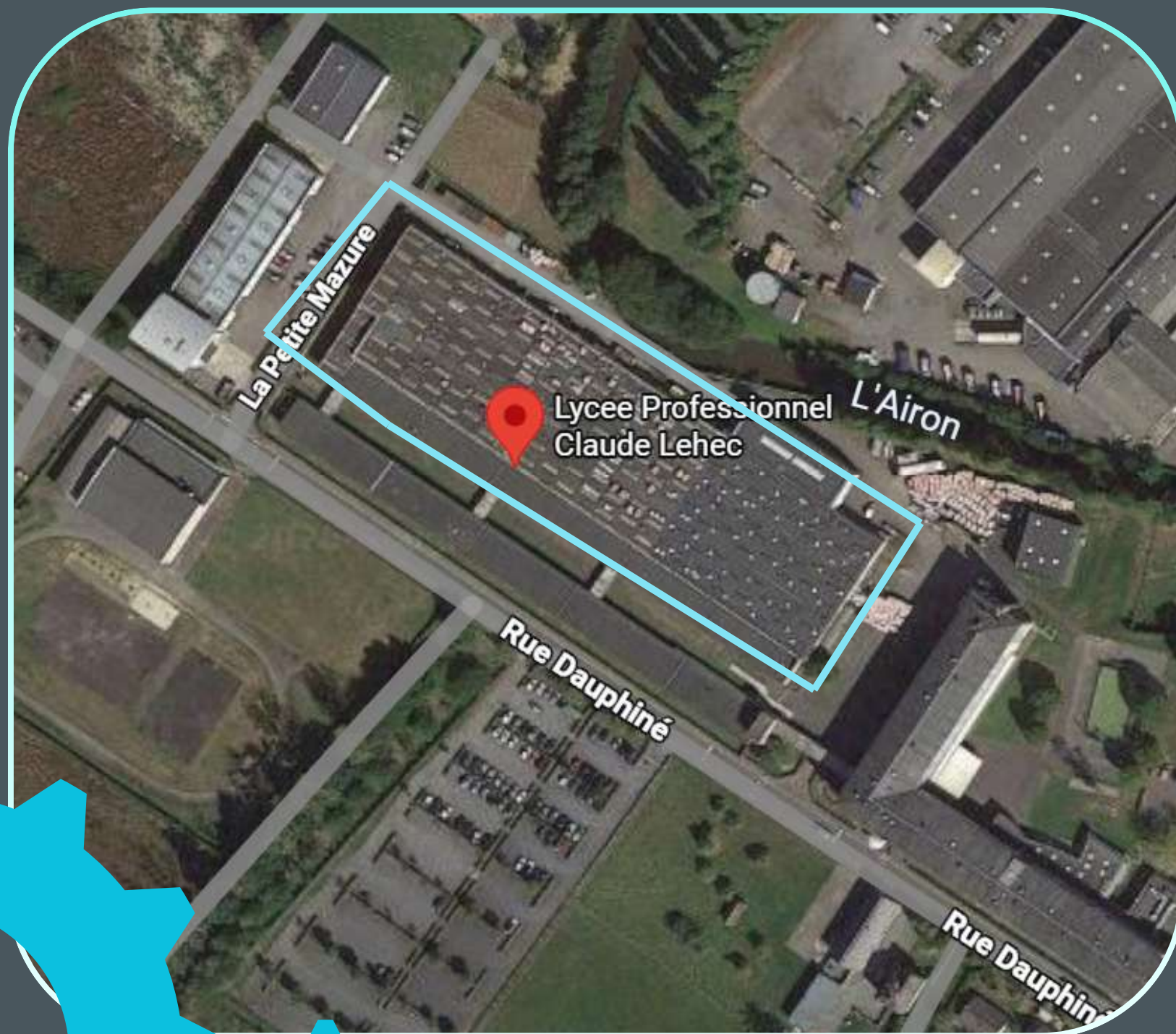
LA VIE LYCÉENNE

LOCALISATION



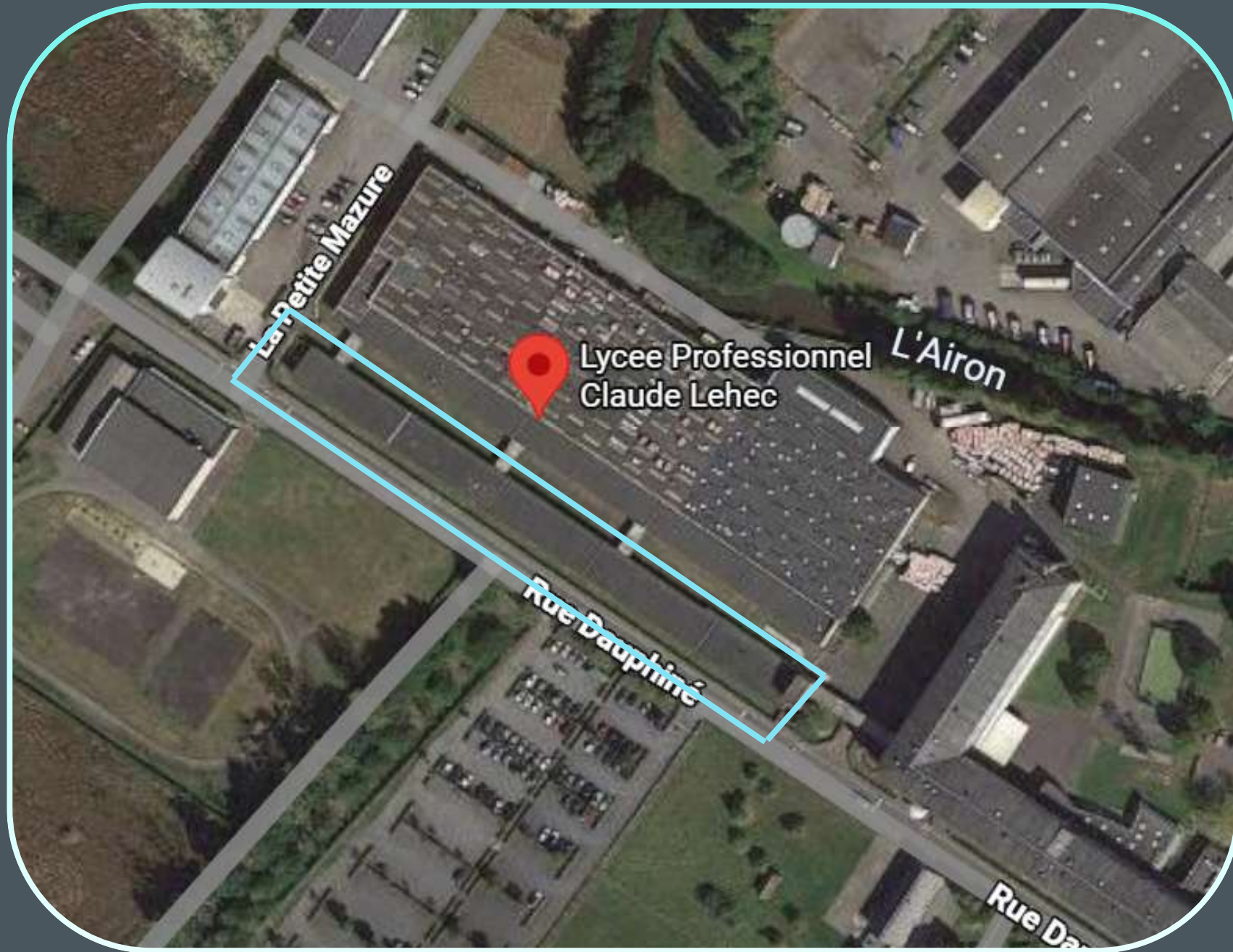
LA VIE LYCÉENNE

RÉPARTITION DES BÂTIMENTS



LA VIE LYCÉENNE

RÉPARTITION DES BÂTIMENTS



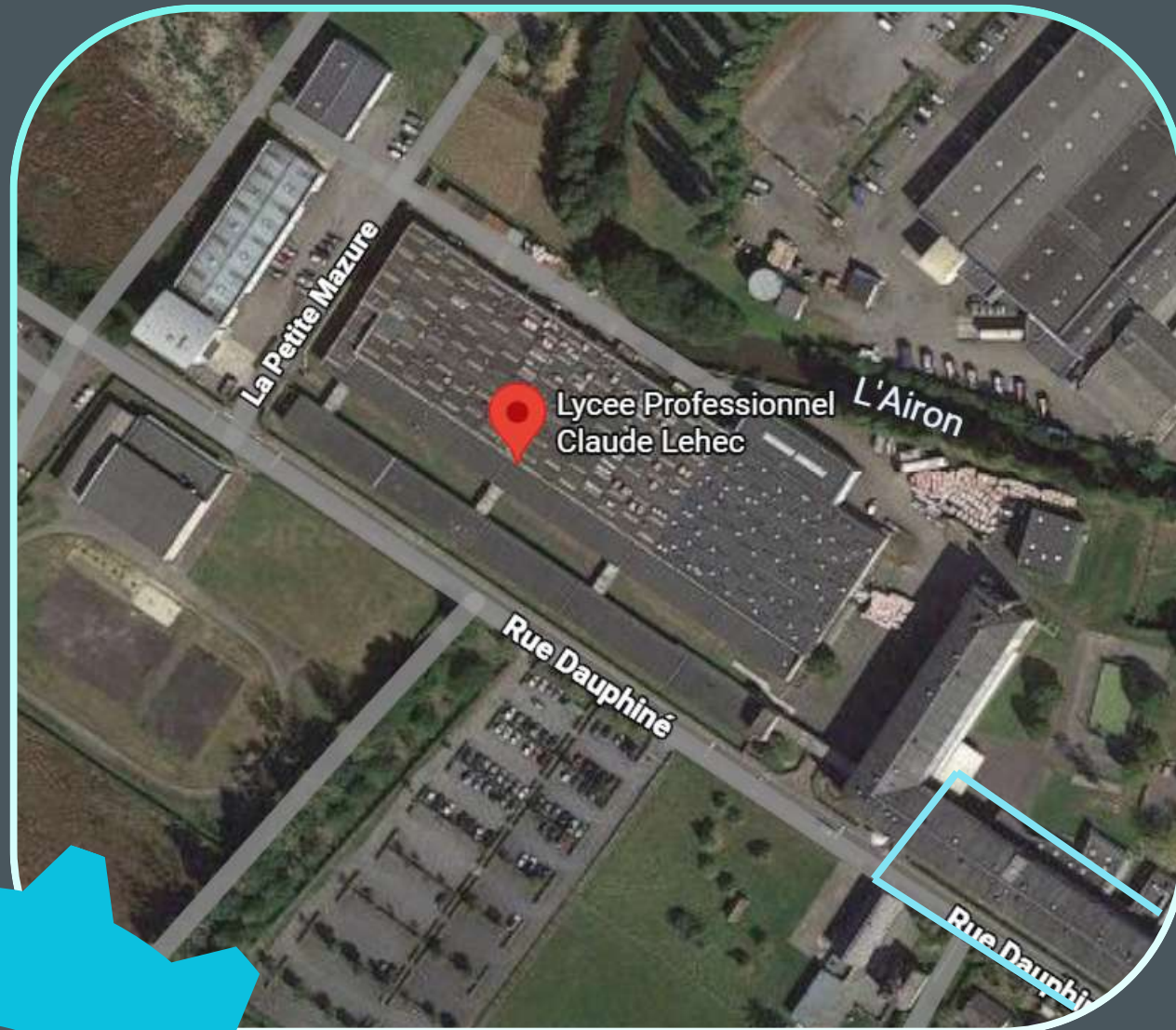
LA VIE LYCÉENNE

RÉPARTITION DES BÂTIMENTS



LA VIE LYCÉENNE

RÉPARTITION DES BÂTIMENTS



- ADMINISTRATION
- FOYER
- SELF

LA VIE LYCÉENNE

FOYER



-
-
-

TABLE
CHAISE
FAUTEUIL



-
-
-

BABYFOOT
BILLARD
DISTRIBUTEUR



LA VIE LYCÉENNE

SELF

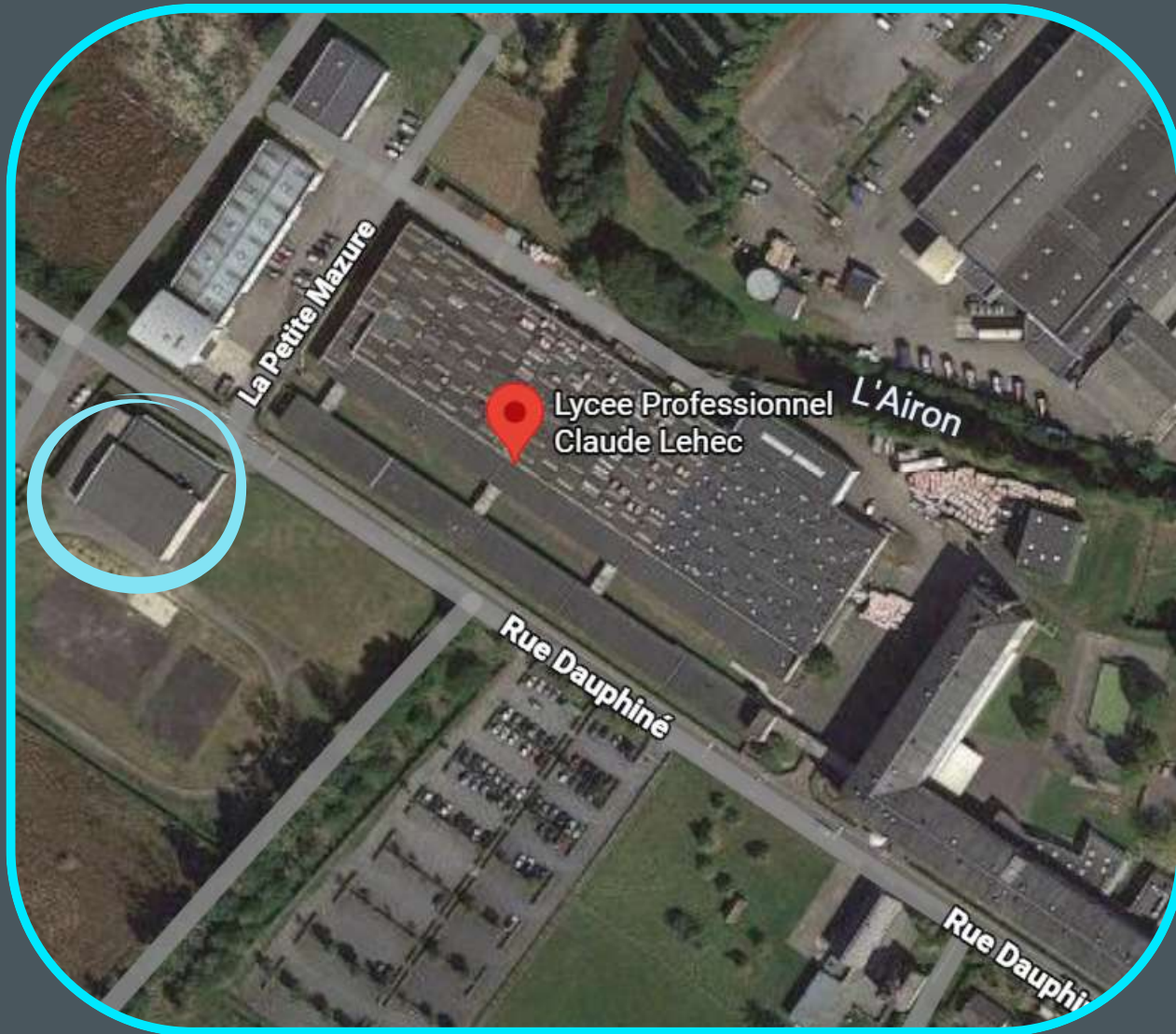


menu



LA VIE LYCÉENNE

RÉPARTITION DES BÂTIMENTS



MUR D'ESCALADE

LA VIE LYCÉENNE

CDI

- DEVOIRS
- REPOS
- SALLE INFORMATIQUE



LA VIE LYCÉENNE

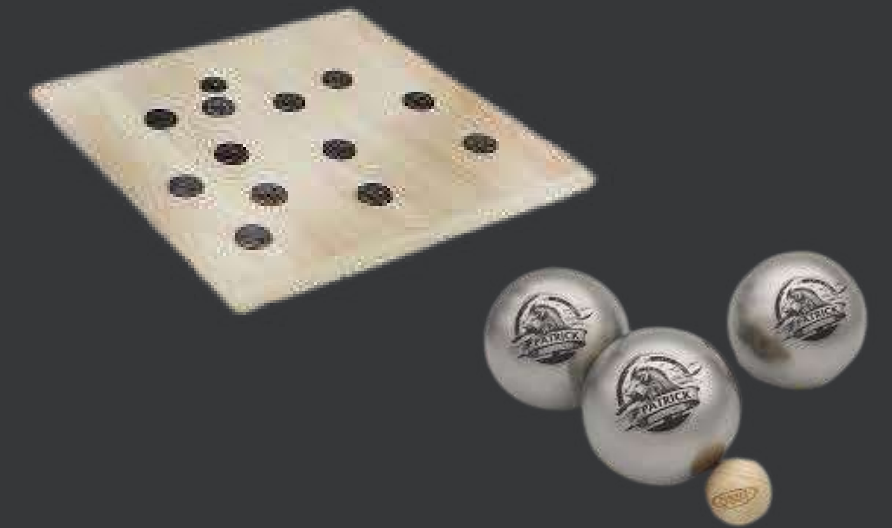
MAISON DES LYCÉENS (MDL)



BABYFOOT



POUR L'ANNÉE



PALET ET PÉTANQUE



BILLARD



PS4



CITY

LA VIE LYCÉENNE

MAISON DES LYCÉENS (MDL)

KARTING



PATINOIRE



PAINTBALL



BOWLING



LASER GAME

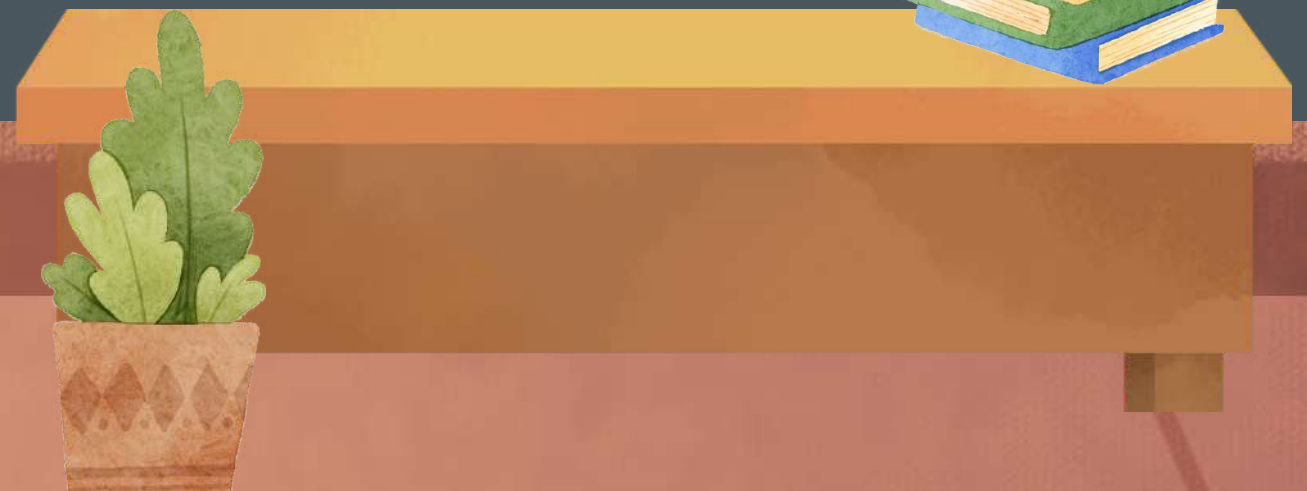
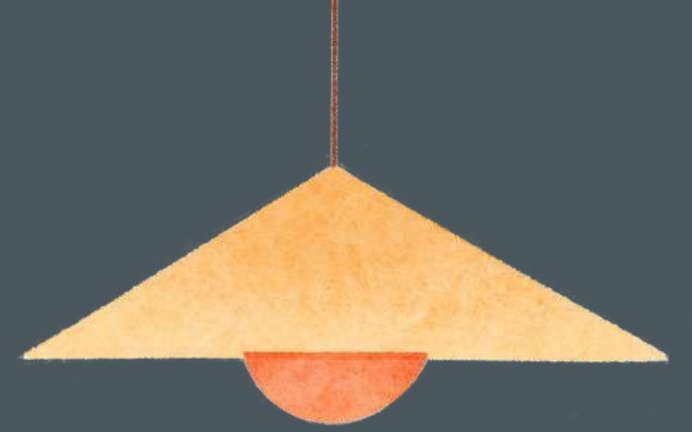


ESCAPE GAME



LA VIE LYCÉENNE

INTERNAT



LA VIE LYCÉENNE

INTERNAT

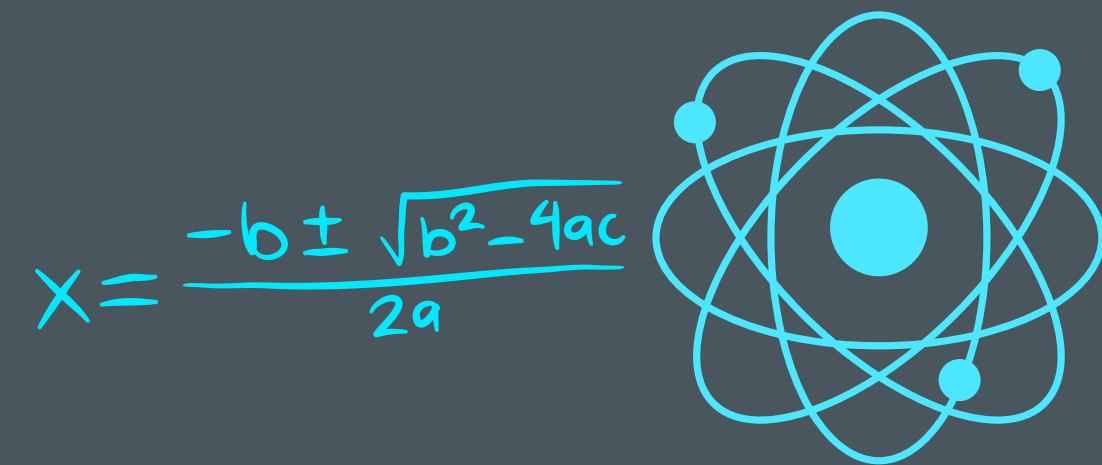


DÉROULEMENT SOIRÉE A L'INTERNAT

- 17H45 – 18H45 HEURE D'ÉTUDE
- 18H50 – 19H35 REPAS
- 19H30 – 22H00 QUARTIER LIBRE
- PETIT DEJ 6H45 – 7H20



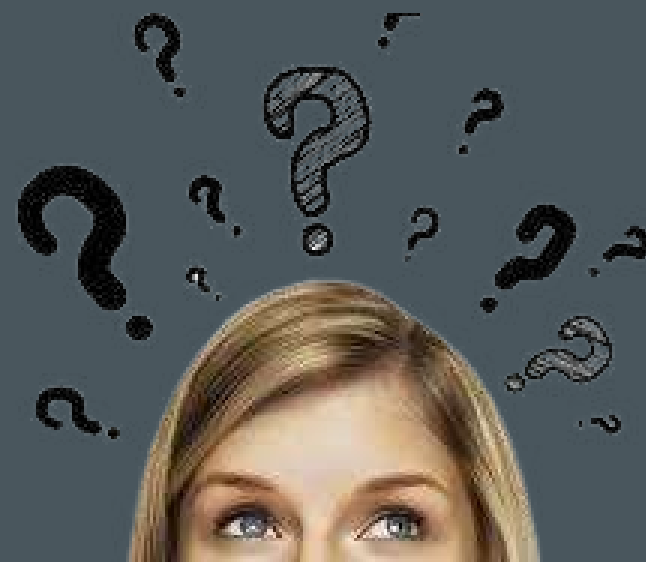
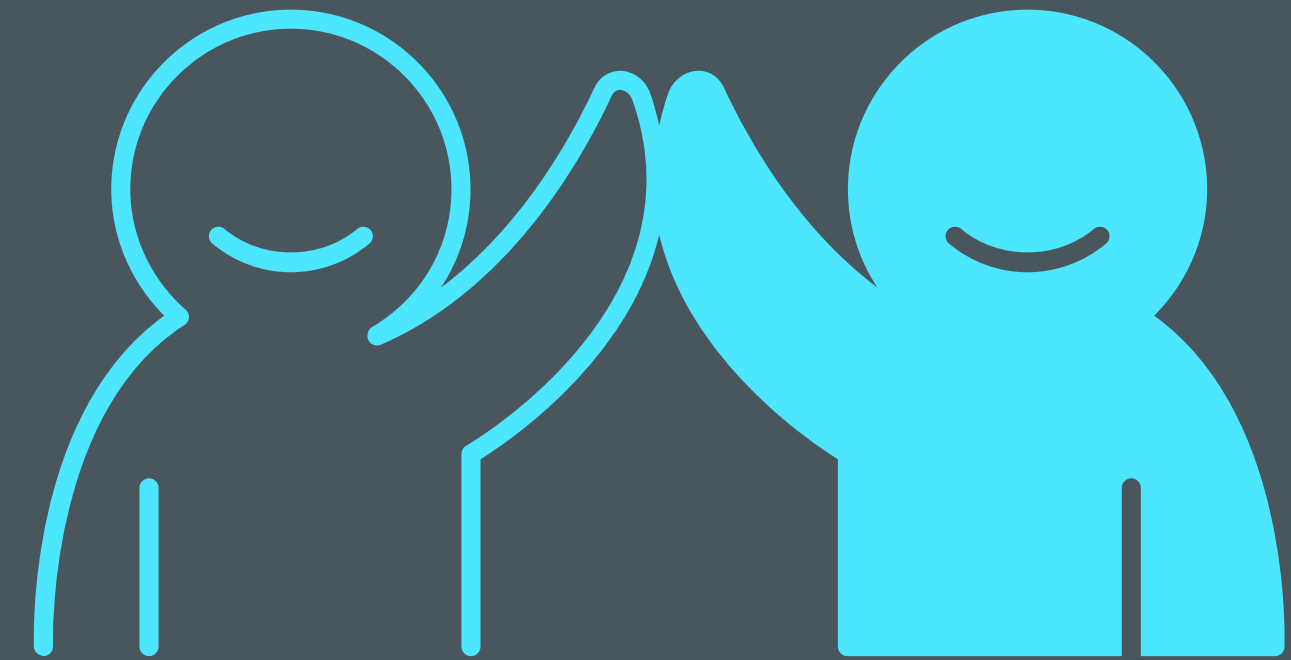
LA STI2D NÉCESSITE ...



SCIENCES ET
LES MATHS



TRAVAIL D'ÉQUIPE



PRÉSENTATION

DU LYCÉE LEHEC DE SAINT HILAIRE

FILIÈRE STI2D

