

# TOXIC FOODS FOR PETS: DIDACTIC INTERVENTION IN A HIGH-COMPLEXITY CENTER SERVICE LEARNING AT RIBOT I SERRA HIGH SCHOOL

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## 1 RIBOT I SERRA HIGH SCHOOL

Ribot i Serra's students mean

5,48%

1st year of science baccalaureate

36,50%

Figure 1: School dropout data analysis at Ribot i Serra

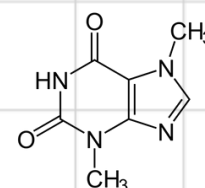
## 2 SOCIAL NEEDS

- Socio-Educational Guidance
- Make Science Accessible

## 3 OBJECTIVES

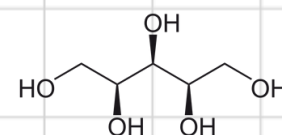
- Sharing **scientific knowledge** to encourage critical thinking
- Identifying** the main toxic foods for pets
- Guiding and motivating students** to continue their academic pathway

## 4 THEORETICAL BASIS



**Theobromine**

Causes: **Hyperexcitability**  
 Diagnostic tools: **Liver markers**

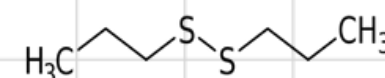


**Xylitol**

Causes: **Hypoglycemia** and **hepatotoxicity**  
 Diagnostic tools: **Liver markers**



**Allium spp**



Causes: **Anemia**  
 Diagnostic tools: **Hematocrit** and **hemoglobin**

## 5 METHODOLOGY

6 students

### INTERVENTIONS

Orientation session  
 Introductory session to toxicology  
 Excursion to Veterinary School  
 Toxic food for pets

## MATERIAL



Figure 2: Students visiting the experimental farms

## 6 SELF-REFLECTION

Altogether, this project allowed:

- Becoming aware of the **diversity of the student body** and the **social** and **educational inequality**
- Evaluating the use of **gamification** as an engagement tool to motivate the students
- Realizing **the adaptation of the contents** requires an extra effort but is **in favor of inclusive teaching**