



THINK LIKE AN ENGINEER

ADVANCED



Take your engineering further!

More complex projects, deeper theory and greater independence in every challenge.

Dipl. Ing. Sara Hoxha

BUILD. TEST. IMPROVE.



Advanced club details



For returning students who attended the club during the last two semesters.



DAY

Thursday



TIME

14:00–15:00



YEAR GROUPS

PYP2–PYP5



GROUP SIZE



8–12 students



PRICE

€285



PROJECT STYLE

More independent



How each project works

Every challenge combines theory, creativity and practical engineering.



LEARN

Discover the science behind the project.



PLAN

Think about the design and materials.



BUILD

Create the model and personalise it.



TEST

Check what works and what needs changing.



IMPROVE

Make changes and explain the result.

Students test what they learned through questions and mini challenges! ★

Advanced: our goals



Students will build completely new projects. Previous projects will not be repeated.

Students will learn to

- Apply the engineering process more independently
- Explore pressure, energy transfer, friction and aerodynamics
- Plan and personalise more complex models
- Record observations and compare test results
- Find weaknesses and develop practical solutions

CONCEPTS TO EXPLORE



Gravity



Pressure



Hydraulics



Force & movement



Art & design

⚡ Ready to engineer?

This group suits returning engineers who are ready for deeper challenges!

Thursday 14:00–15:00

PYP2–PYP5, 8–12 students, €285

Not sure which club you belong to? Email:
sara.hoxha@abis.school or message Sara Hoxha in Toddle.

