

Expectations of universities and students; Spain landscape

- 17 Autonomous Communities. Degrees of freedom are allowed to the AACC in own territory.
Primary (6-12) Secondary (12-16) Secondary High (16-18).
- Problems that we have detected on science education:
 - Introductory science course, should be taught as science is practised (not only memorised facts → lab classes).
 - Chemistry without maths or Biology without chemistry.
- University is expecting students with great:
 - Laboratory abilities.
 - Analytical thinking.

How can we improve the education system?

- Promote laboratory classes and the participation of students in research projects. [Preliminary research project as a compulsory subject in the secondary schools' curricula in Catalonia].
- Cooperation university/schools. Promote university training courses for secondary school students and science teachers.
 "I ♥ biochemistry" and "EMBO Workshop"
- Detection of deficits in first university year.
 First day TEST (10 chemical questions)
 biology, medicine, physics, ...
 Tutorial job.
- Draw the attention of educational authorities to the importance of learning science from an early age.