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Type: **Oral presentation**

## **Adaptive Physics for Real Barbies and Kens –Special Educational Needs for Physically Disabled High School Students in Physics Classes**

*Friday 4 July 2025 09:20 (20 minutes)*

A few decades ago, Barbie dolls appeared, presenting an idealized body image and indirectly affecting education. The curriculum and methods seemed designed for non-existent students. Nowadays, the toy industry recognizes the need for toys with real personality traits. We should not delay; not all students in physics classes are equally super-capable, and there are increasing special educational needs. Our methods should adapt to these personal learning needs. This inclusive approach is challenging, and the present work offers ideas for solutions.

### **Education level**

Age 15-18 (Secondary education)

### **Physics topic**

Full curriculum

### **Research focus**

Innovative instructional strategies and pathways

### **Research method**

Innovative research strategies (Try-out) (Qualitative research)

### **Organizing preference criteria**

Education level

**Author:** BARSY, Anna (Mozgásjavító EGYMI)

**Presenter:** BARSY, Anna (Mozgásjavító EGYMI)

**Session Classification:** Parallel oral presentations

**Track Classification:** Educational research methodology (METHOD)