

Smart Education.Explore CLIL by using Robotics.

By Katarzyna Łyczak and Renata Chlibiuk

Topic:	,Driving license with a robot‘	
Age:	15	
Time:	45min	
Competences:	...	
Aim of this lesson:	-use of robots in learning English -introduction of vocabulary connected with driving (road signs, commands) -introduction of basic programming	
Introduction:	- Presentation of the aims of the lesson	
Tools:	- Lego Mindstorm robots - interactive whiteboard/screen - projector - a computer - a film about maneuvers - tablets - street mockup	
Process		
	Step 1	5 min
	Students learn the basic road signs and road safety rules. Road signs are displayed on the blackboard. After consolidating the introduced vocabulary, students perform interactive exercises with those signs.	
Teachers notes (if needed)		
	Step 2	10 min
	Students watch a film about maneuvers on the road performed by robots and learn the names of maneuvers in English.	
Teachers notes (if needed)	https://youtu.be/mEFTvvh4EX4	
	Step 3	5 min
	Students work in groups doing exercises, in order to consolidate a new vocabulary. They randomize a given maneuver and program robots accordingly. After the robot is programmed, the students place it on a street model and present it during the maneuver.	
Teachers notes (if needed)		
	Step 4	15 min
	Students use QR-codes to solve work cards and name the maneuvers and road signs performed by robots	
Teachers notes (if needed)		
	Step 5	5 min
	All participants receive a driving license.	
Teachers notes (if needed)		