LESSON PLAN

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Title: DEVELOPING LOGICAL SKILLS WITH THE HELP	OF SUDOKU	Date: 28 th of March, 2018			
Length of the Lesson: 30 minutes	immer				
Reading and writing numbers from 1 to 10 (including 0), ad used, solving problems and observing rules.	lding single digit n	umbers with totals to 10, determining strategies to be			
LESSON OBJECTIVES	TOOL: SYNOPSIS				
At the end of this lesson, students will be able to order, write numbers from 1 to 9. They should be able to combine 9 num and 9, to identify missing numbers or to eliminate double on one learns to observe and apply mathematical rules	Reading and writing numbers from 1 to 10 (including 0) adding single digit numbers with totals to 10, determinin strategies to be used, solving problems and observing rules.				
GAME	MATERIALS				
Basic rules: in each grid, numbers from 1-9 must exist only o line, numbers from 1-9 must exist only one time. In each col	Each player needs its own sheet of 3 x 3 small fields with a total of 81 fields (from Internet, special magazines, newspapers etc). The number of the prefilled ones may be smaller (2 x 2 small fields of a total of 16 ones), adapted for the beginners level (children, pupils etc). The Sudoku sheet should be already prepared (prefilled with different number combinations), because not every number combination is possible.				
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TIMELINE													NOTES (materials at each stage etc)	TIME
Warm up	Sudoku (数独 sūdoku, digit-single), originally called Number Place, is a logic-based, combinatorial number-placement puzzle. The objective is to fill a 9×9 grid with digits so that each column, each row, and each of the nine 3×3 subgrids that compose the grid (also called "boxes", "blocks", or "regions") contains all of the digits from 1 to 9. The puzzle setter provides a partially completed grid, which for a well-posed puzzle has a single solution.													
Present information	contains 9 boxes arra	d Sudoku puzzle consists of a grid of 9 blocks. Each block boxes arranged in 3 rows and 3 columns. his example of an actual Sudoku puzzle:						:k						
	ROW —	5 9 6 7 8	9	1 2 3	3 7 5 8 2	9 3 7 1	6	9	1 4 7 9	8377				
		4		<u>1</u>		3	3		6	1.				

Guided and freer practice	Start to play . At the beginning the teacher is a tutor and he will edit the worksheet together with the students. Afterwards the students have to play alone.	
Free practice	Each participant will get his own work sheet and fill his Sudoku field. When it is finished, the teacher will check the solution. In case of difficulties, the teacher may help the pupil(s). It is important that all students find the right combination of numbers from 1 to 9.	
Self-evaluation or Assignment	The teacher will assign a homework – to complete a full scale Sudoku sheet. The teacher will check all the sheets during the next lesson.	
Conclusion	The only way the game can be considered solved correctly is when all of the 81 boxes contain numbers and the other rules have have been followed.	