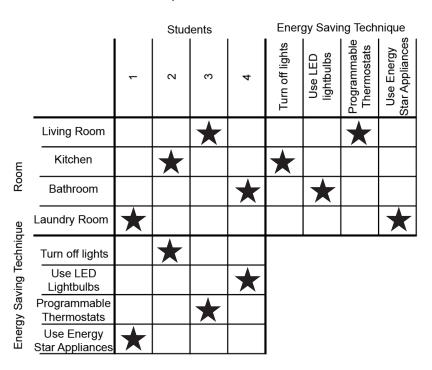


Energy Savings Logic Puzzle (Solution)

Four students have organized energy saving techniques in 4 different rooms. Each student has a different technique and a different room. Use the clues below to match the student, technique, and room.

- Clue 1: Either student 3 or the energy star appliance technique are in the living room.
- Clue 2: Student 2 is in the kitchen.
- Clue 3: Student 4, the living room, and the energy star technique are all separate.
- Clue 4: LED lights are either used by student 1 or are used in the bathroom.
- Clue 5: Of the programmable thermostat and the use of energy star appliances, one is in the living room and one is in the laundry room



Hint: Place an X in any box that cannot be true and a star in any box that must be true. Anytime a star is placed, X's can be placed in all other boxes in that column and row.



Energy Education Activity from the Kansas Corporation Commission and K-State Engineering Extension. Made possible by a grant from the U.S. Department of Energy



Example

BRAIN BUSTERS

Example 1: when a star is placed based on the clues, X's can be placed in all the other boxes in the row and column.

	_	=	≡	≥	-	0	ი	4
А		Х						
В		Х						
С	X	1	Х	Х				
D		Х						
1								
2								
3								
4								

Example 2: Completed puzzles should look like this.

	_	=	=	≥	-	N	e	4
A	X	Х	Х	$\widehat{\Delta}$	Х	Х	$\widehat{\Delta}$	Х
В	$\widehat{\Delta}$	Х	Х	Х	\sum	Х	Х	Х
С	X	17	Х	Х	Х	4	Х	Х
D	Х	Х	$\widehat{\Delta}$	Х	Х	Х	Х	$\widehat{\Delta}$
1	$\widehat{\Delta}$	Х	Х	Х				
2	X		X	Х				
3	X	Х	Х	Δ				
4	X	Х		Х				



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