



Lights! Camera! Math!

School Show Study Guide from the Artist

Luther Burbank Center for the Arts
Thursday, March 9, 2017

Lights! Camera! Math!

Magic Trick	Method	Math Concepts & Skills
X Marks The Spot	A random number selected matches the numbered box marked X. When opened, that box contains a randomly thought-of object.	Clockwise and counter clockwise, mental arithmetic & addition
The Magic Square	A thought-of number is revealed using a magic square where the numbers in each row, and in each column, and the numbers in the main and secondary diagonals, all add up to the thought of number.	Rows, columns, diagonals , mental arithmetic, addition, & subtraction
The Sword Box Illusion	The magicians assistant enters the Cabinet of Doom. 4 random numbers are selected from a grid on the face of the Cabinet. Swords replace the discarded numbers and are thrust through the box. The magicians assistant survives and predicts the total of the numbers selected.	Grids, rows and columns, mental arithmetic & addition
In All Probability	Testing the theory of probability., this effect is a series of experiments where coincidence and the laws of probability collide.	Probability & percentage, calculating probability
The Human Calculator	The Magician has the ability to calculate sums before he's told the numbers!	Formulas, mental arithmetic, addition, & subtraction
The Hologram Illusion	Numbers, dice, clocks and more appear from this small empty box. The magicians assistant finally appears from the box wearing a dress made out of a thought-of number.	Formulas, mental arithmetic & addition
The Squeeze Box	The magicians assistant enters a small upright cabinet. A large crank located on the side of the cabinet is turned and her head and feet glide to the centre of the cabinet to within 4 inches of each other!	Measurements & fractions
The Magic Store	A series of items are purchased from a digital store. When the bill is totaled it matches the prediction.	Money, financial addition & subtraction
The Magic of Time	A watch is borrowed and vanished. A random 2 digit number is selected and a formula is followed to create a unique number. Numbered magic wands are handed out to the audience. The watch is found inside the wand with the unique number.	Formulas, addition & subtraction
The Magic Box	A box, hanging in full view of the audience from the start of the performance is opened revealing the all of the random outcomes in the show.	Probability & percentage, calculating probability