

## Invisible Cards (invisible Die with Cards)

Ask a few students to get a piece of paper and a pencil ready. Show your hand open and ask them if they can see the invisible deck of cards you have in your hand. Say "Let me show you how they work." Pretend pick out a card and say I selected a 4 of Hearts. Do it a second time and say I selected an Ace of Clubs. Move the invisible deck of cards towards them and ask them to pick a card and tell you what it is. Have them state a card and say "I think you have the idea , lets see what else we can do with this deck."

**Now get ready to start the trick.** Move the invisible deck of cards towards them and ask them to pick a card. Have the student tell another student what the card is but do not have them tell you. Remind them that **an Ace =1 , a Jack = 11, a queen = 12 and a king = 13** Have them put in on the desk.

Have the student (or students) perform the following steps as you lead them through the process.

Step 1: Add 1 to the value of your card to get a second number..

Step 2. Have them add those 2 numbers together.

Step 3. Ask them to multiply that new number by 5.

Step 4. Ask them to add the value of their cards suit to that product

The value of the suits are in alphabetical order.

Clubs =1    Diamonds = 2    Hearts = 3    Spades = 4

Ask he students to tell you what the number total they calculated is. Subtract 5 from that number. This gives you a 2 or 3 digit number. The ones digit is the suit of their card. The 10s and hundreds (if any) digits are the number of their card.

Announce the card to them. If they ask how you did the trick say " I just looked at the card, you left it on the desk in front of me.

### Example

**They pick the Queen of Hearts Q = 12 and H = 3**

Step 1.  $12 + 1 = 13$

Step 2.  $12 + 13 = 25$

Step 3.  $25 * 5 = 125$

Step 4.  $125 + 3 = 128$

You add 5 to get 133.      $\begin{array}{r} \underline{13} \quad \underline{3} \\ \text{card} \quad \text{suit} \end{array}$

You say that they picked the Queen Of Hearts