

Think like a computer:

Where are T Markey, Copycat, and Pat Pending?

BACKGROUND:

Humans can understand words and numbers. Computers receive and transmit information through code. Luis von Ahn created a way for humans to access websites securely. He invented CAPTCHA and reCAPTCHA to distinguish between humans and computers. These tools prevent computer “bots” (robots) from being able to get into websites intended for humans.

Luis von Ahn understood that humans can recognize pictures and visual patterns more easily than computers. He used this knowledge to create the CAPTCHA and reCAPTCHA methods, which use digitized pictures and patterns as codes, called “reCAPTCHAs,” that only humans can read and enter into a computer to access certain websites and information.

DIRECTIONS:

FIND T.MARKEY, COPYCAT, AND PAT PENDING IN THE CAPTCHA IMAGE

Use crayons or markers to color T.Markey, Pat Pending, and Copycat on the CAPTCHA picture. When using a computer, you are asked to click on specific images to gain access to websites. This helps to label thousands of photos on the internet.



T.Markey is the character that represents trademarks. A trademark is a word, phrase, symbol, or design that identifies and distinguishes the source of the goods of one party from those of others.

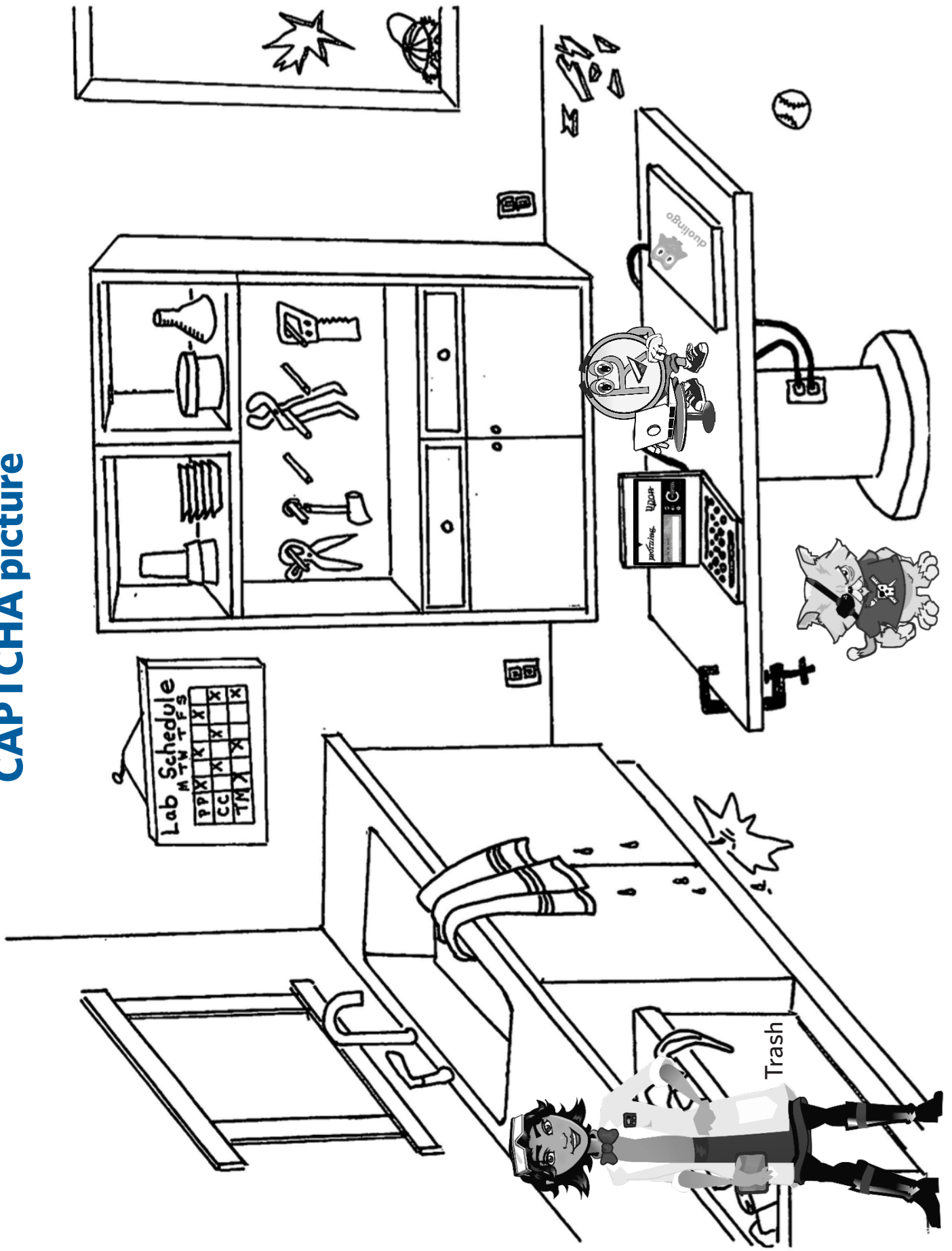


Pat Pending is the character that represents patents. A patent is a limited duration property right relating to an invention.



Copycat is the character that represents copyright protection. A copyright is a type of intellectual property protection for original works of authorship as soon as an author fixes the work in a tangible form of expression.

CAPTCHA picture



THINKING LIKE A COMPUTER

Computers work by processing information. Information enters a computer and then it is sent out to other computers. The information that enters a computer goes through wires. Each wire in a computer accepts input as either "yes" or "no," or as "1" or "0." Ones and zeros represent computer instructions called "binary code." In this activity you will be simulating a computer. Using the CAPTCHA picture, answer the questions below.

WHAT IS THE SECRET MESSAGE?

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
1	2	3	4	5	6	7	8	9	10	11

1. If T.Markey uses a computer, put the letter P in space 8.
2. If you see four or more electrical outlets, put the letter I in space 3.
3. If the window was broken from the inside out, put the letter Y in space 11.
4. If Copycat is under the table, put the letter C in space 10.
5. If you see some cutting tools, put the letter R in space 6.
6. If water is only in the sink, put the letter O in space 4.
7. If you see the Duolingo trademark on the table, put the letter K in space 4.
8. If you see someone outside, put the letter M in space 2.
9. If the CAPTCHA on the computer screen has three words, put the letter T in space 11.
- 10.If there are days that Copycat works by himself, put the letter A in spaces 1, 3, and 9.
11. If the trash is empty, put the letter J in space 5.
- 12.If Pat Pending is holding a device, put the letter S in space 7.
- 13.If a baseball broke the window, put the letter E in spaces 5 and 11.