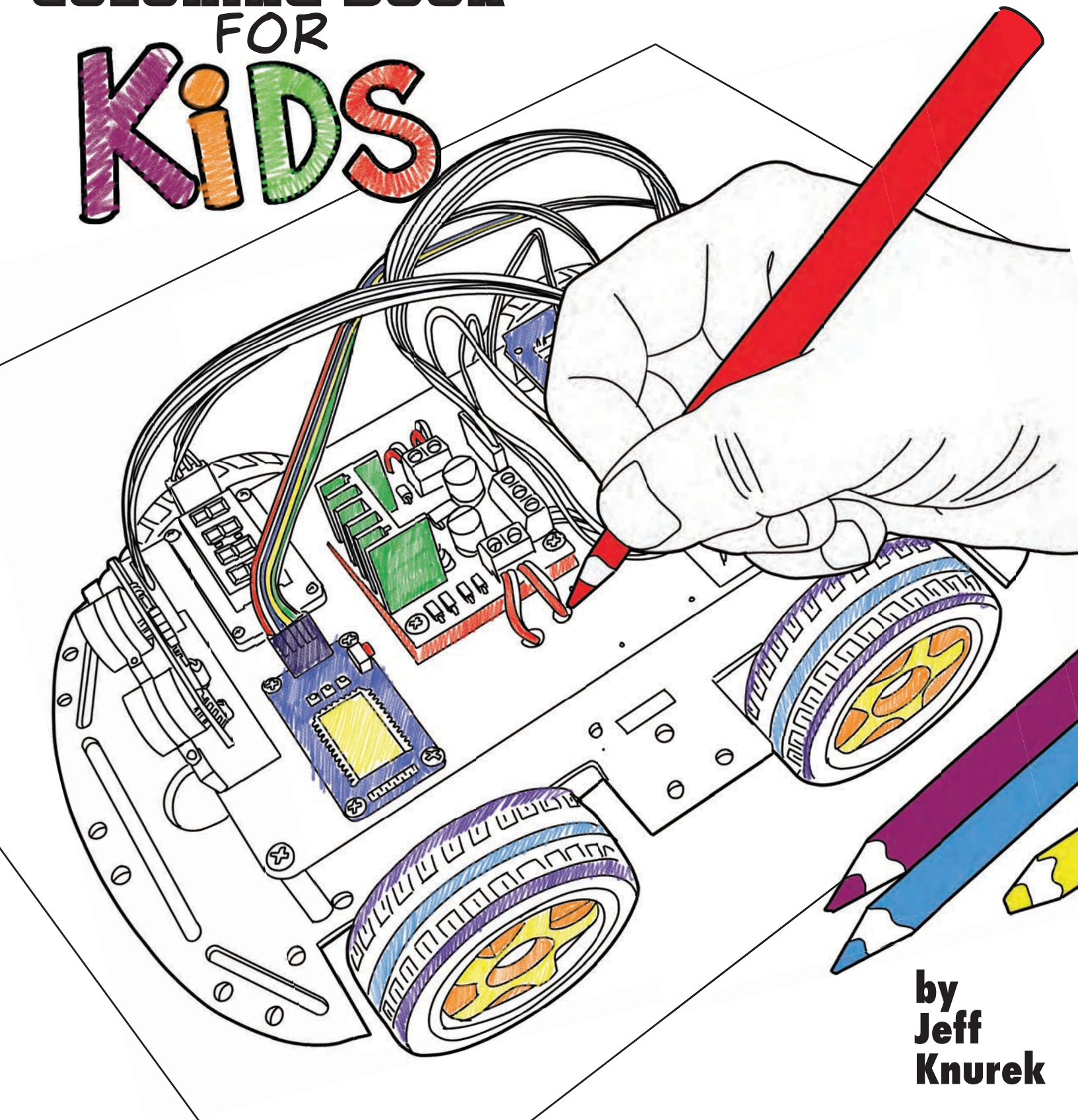
Engineering Coloring Book for Kids



by Jeff Knurek

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Engineering Coloring Book for Kids

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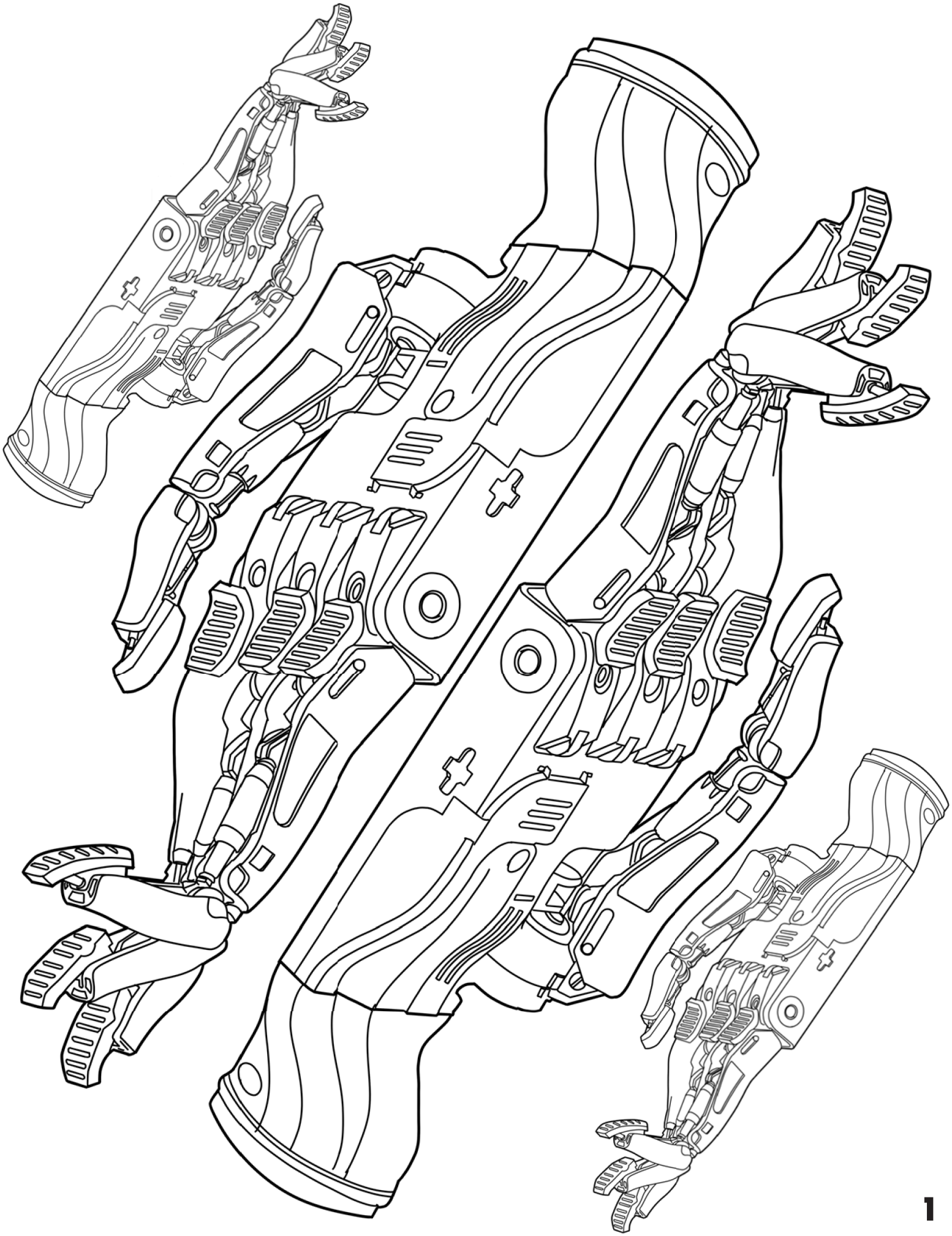
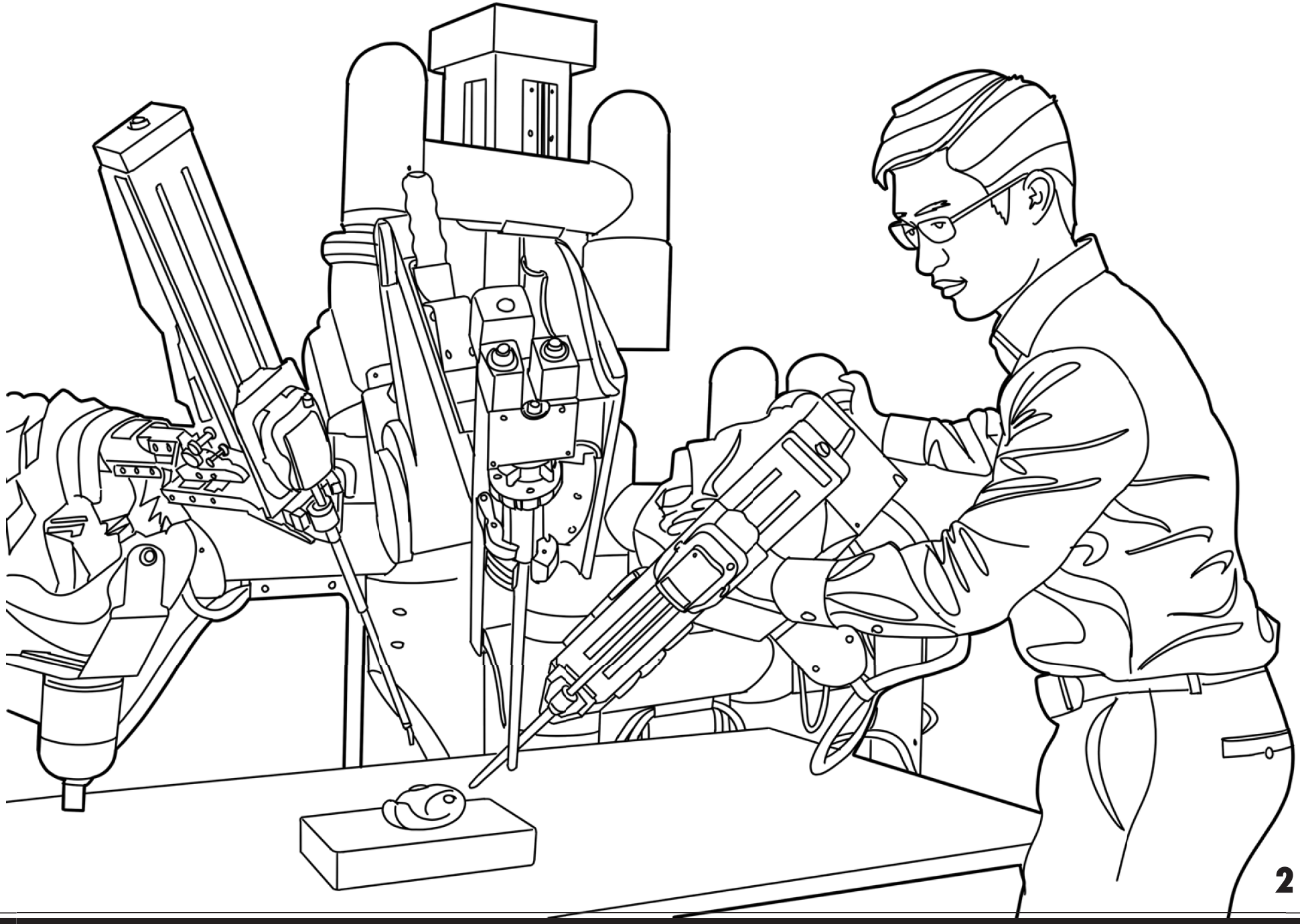
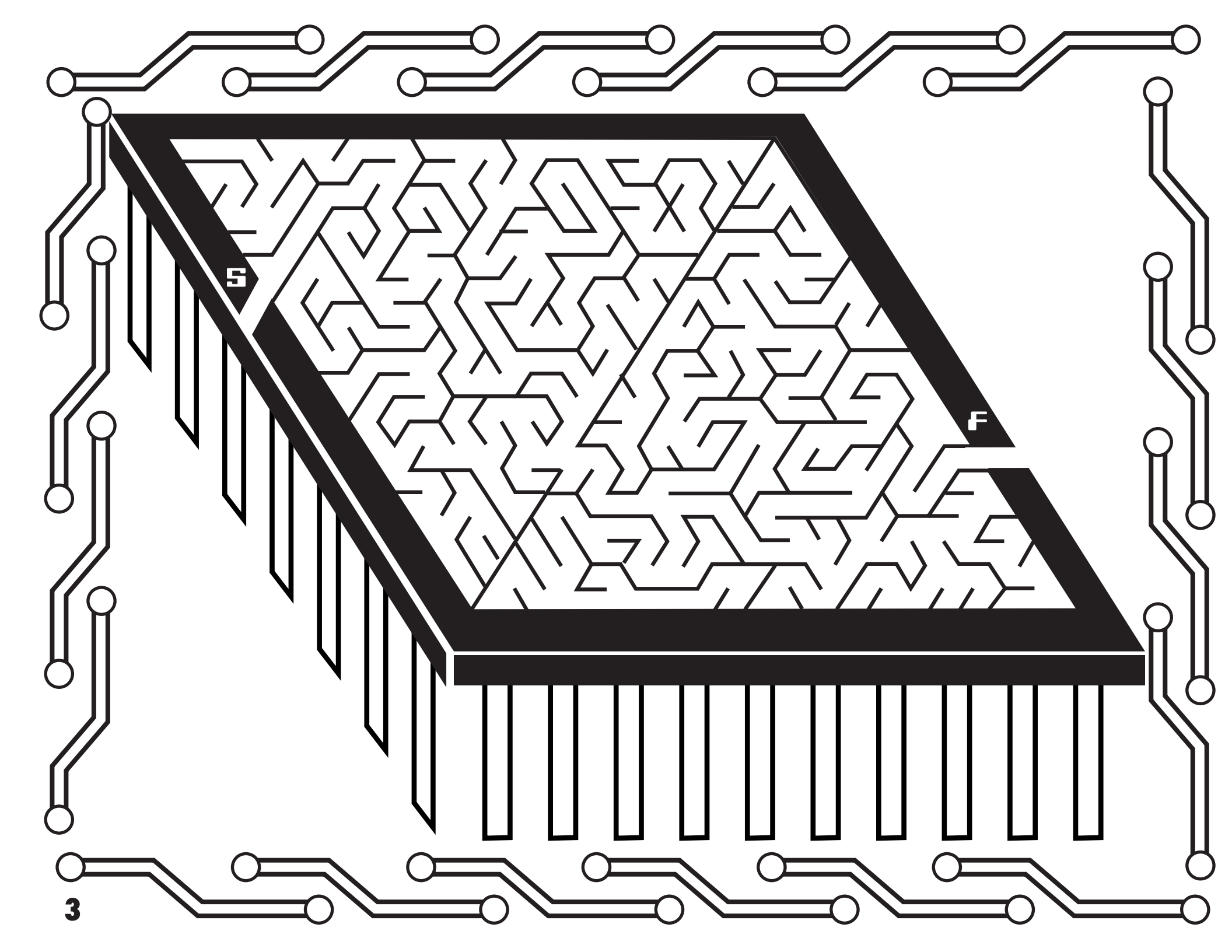
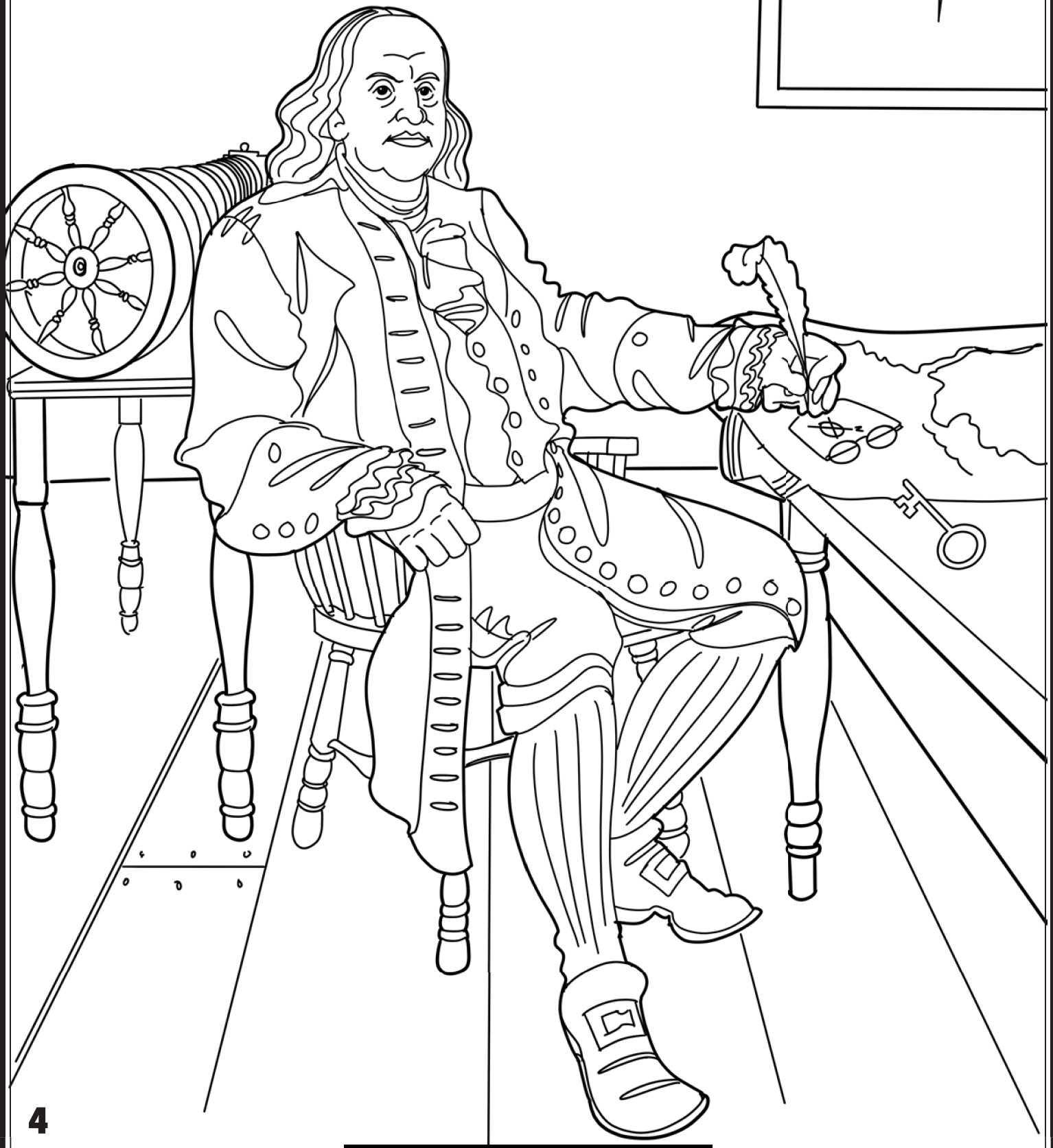


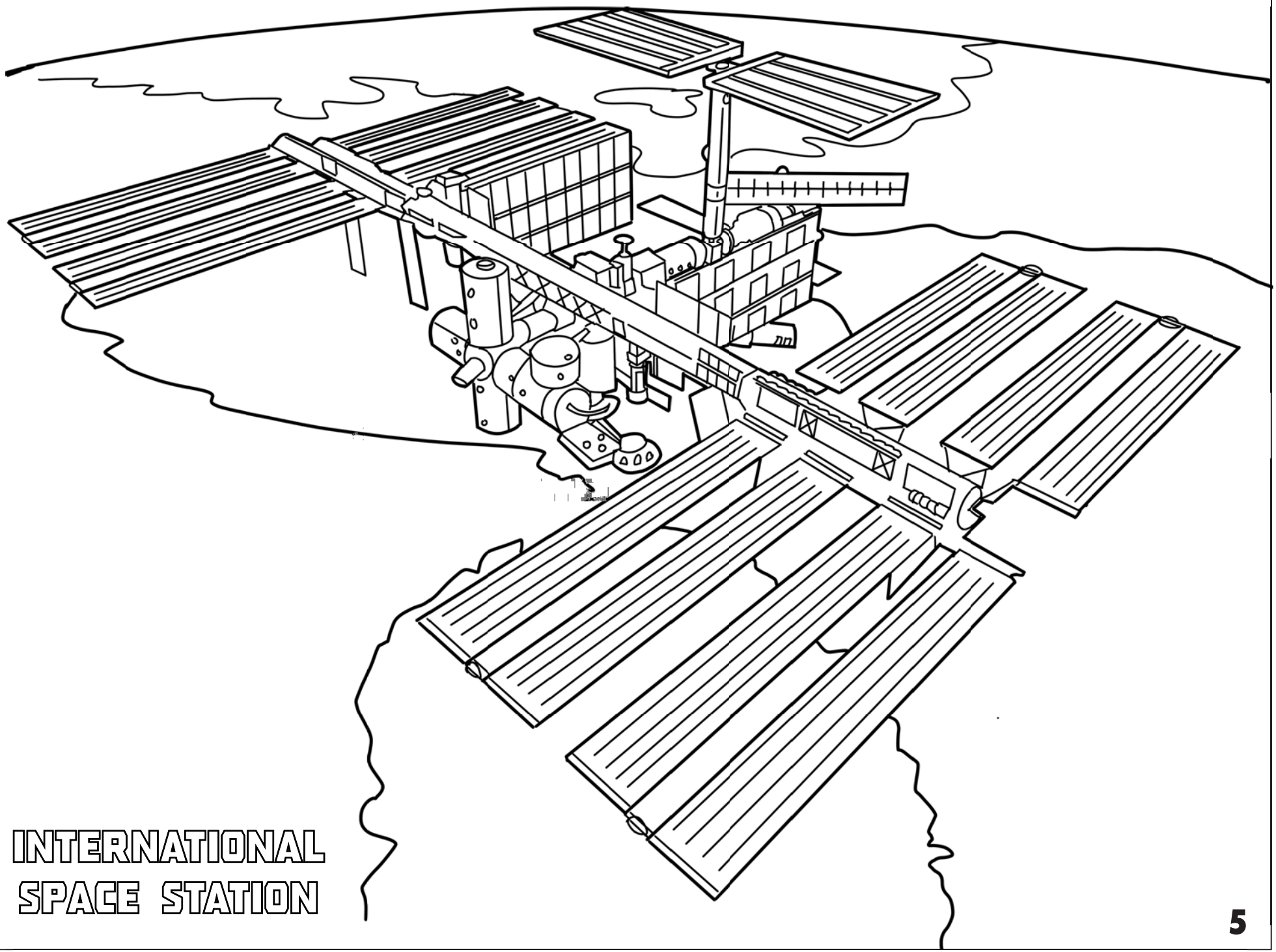



S
F

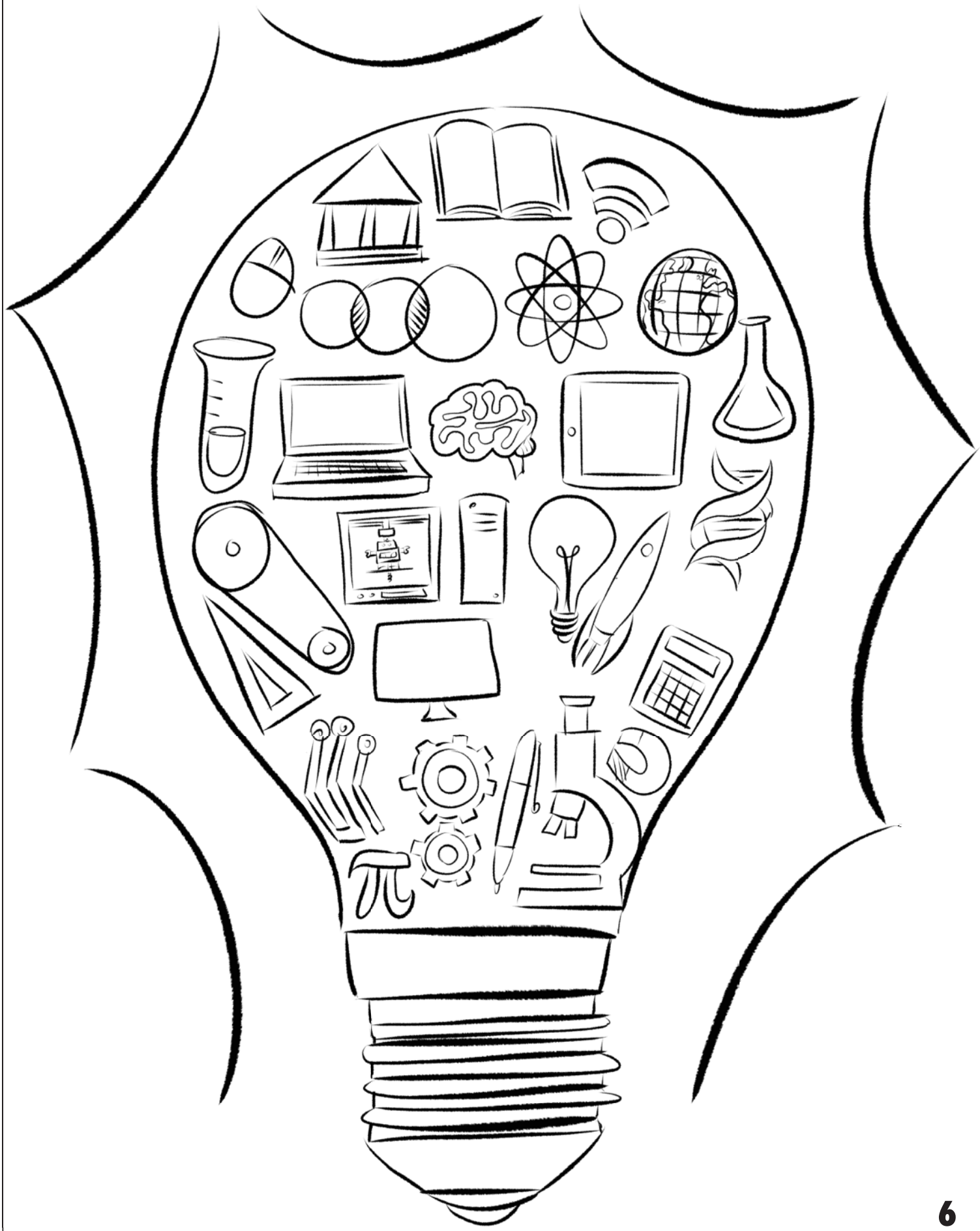
As a scientist, Benjamin Franklin proved by flying a kite that lightning was electricity, and he invented a rod to prevent it from hitting buildings. Franklin also invented bifocal glasses, invented a clean burning stove, and proposed theories on the contagiousness of the common cold. His ability as a craftsman helped him create many inventions we still use today.

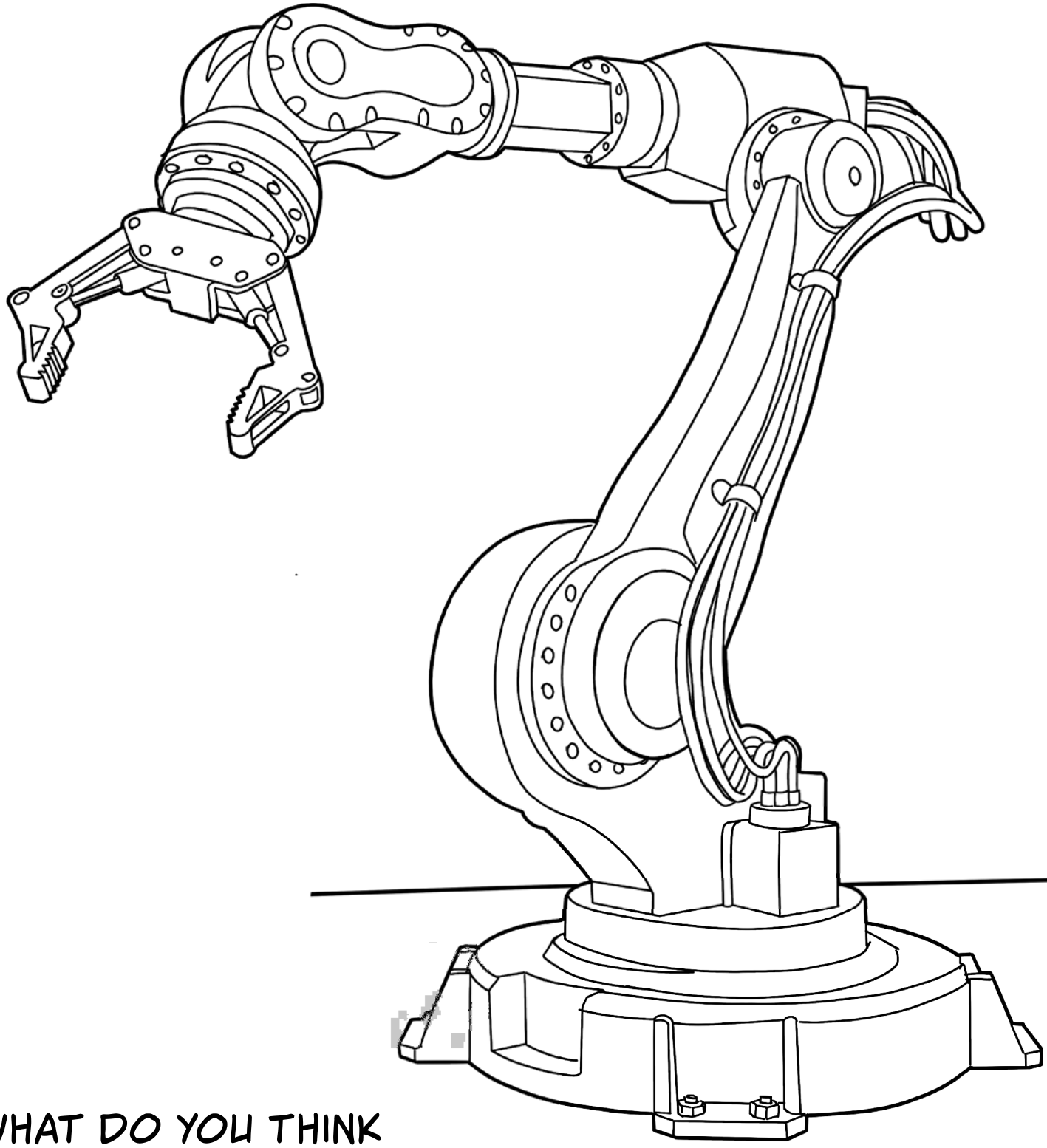


Benjamin Franklin

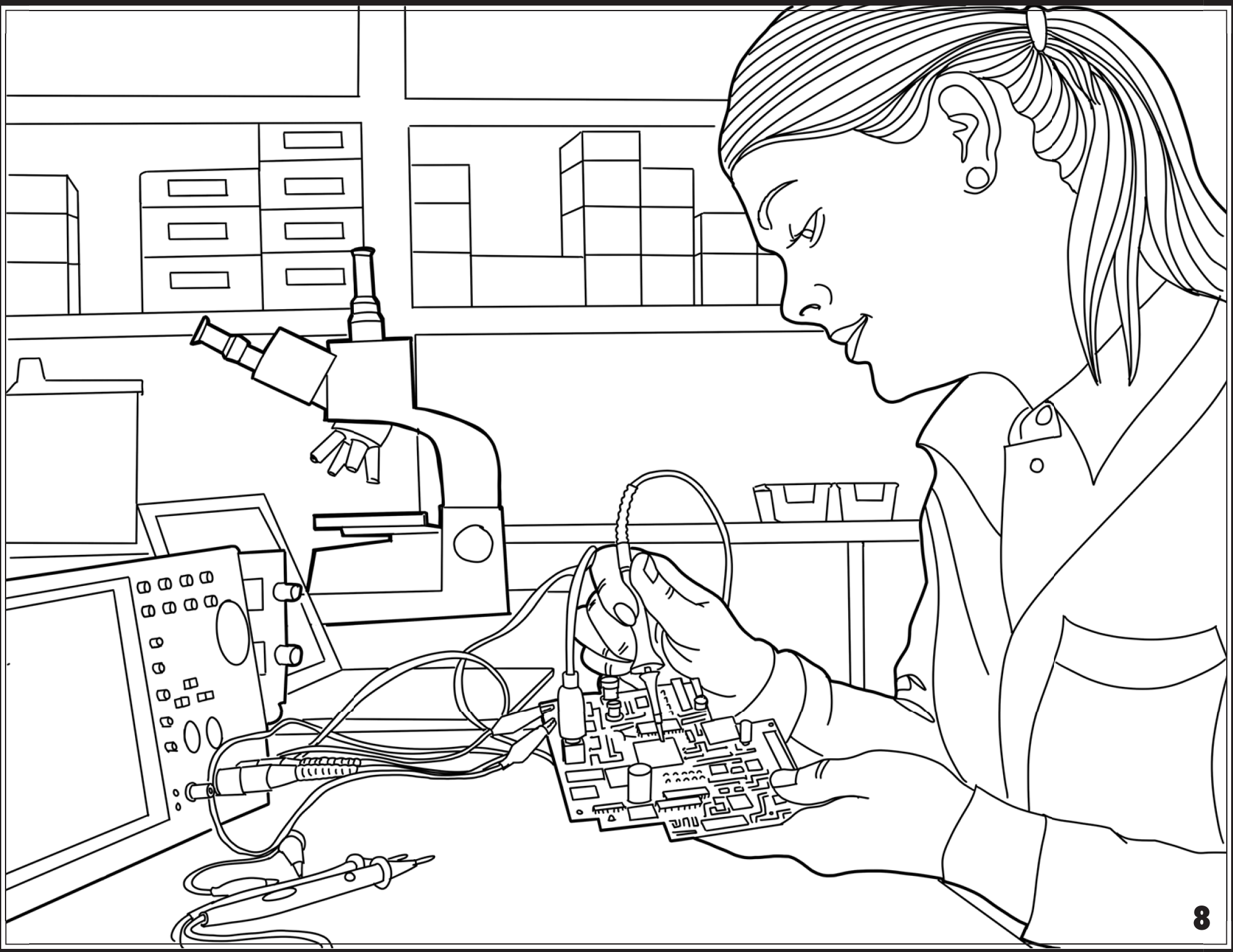


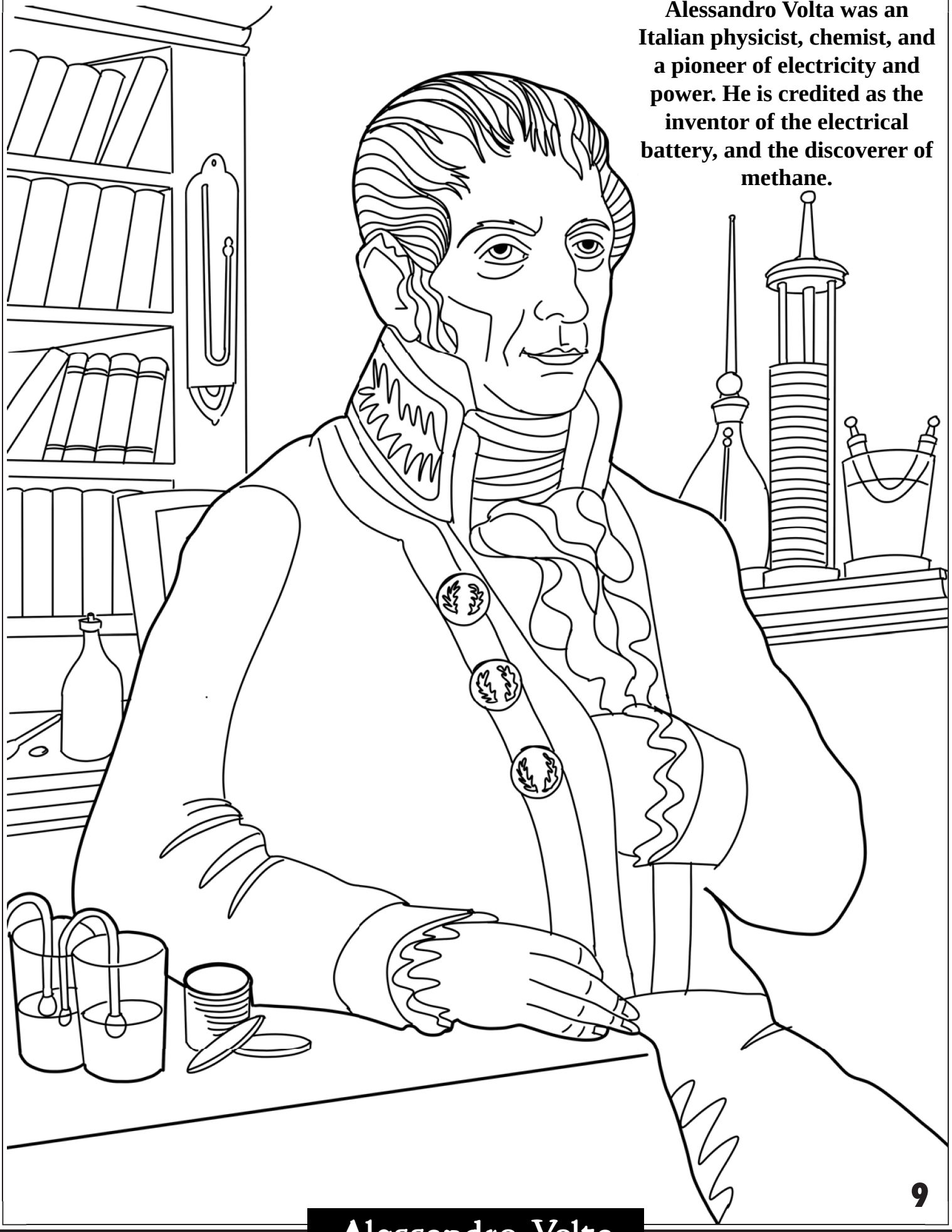
INTERNATIONAL SPACE STATION





WHAT DO YOU THINK
THE ROBOTOIC ARM IS REACHING FOR?
DRAW IT!

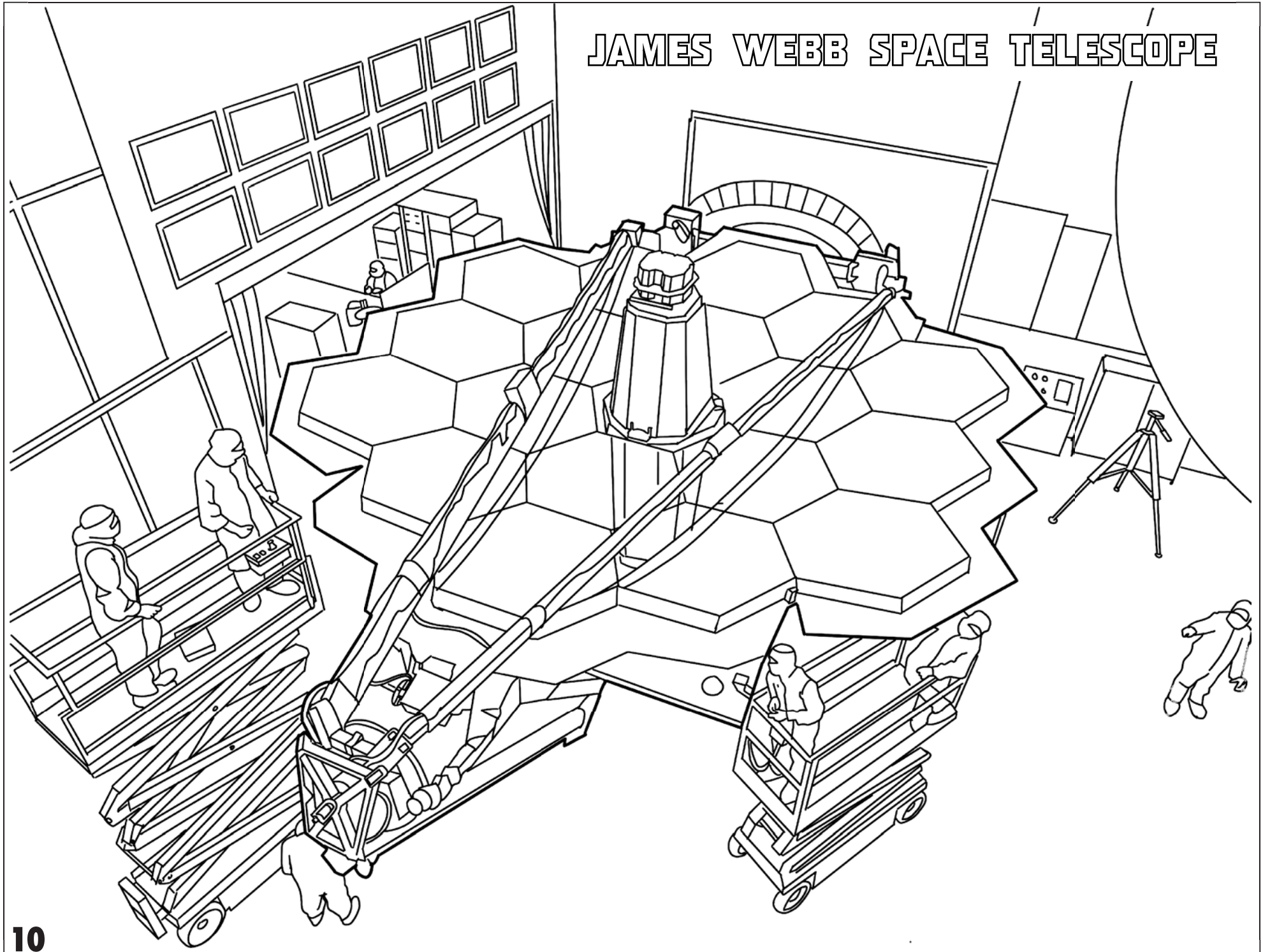


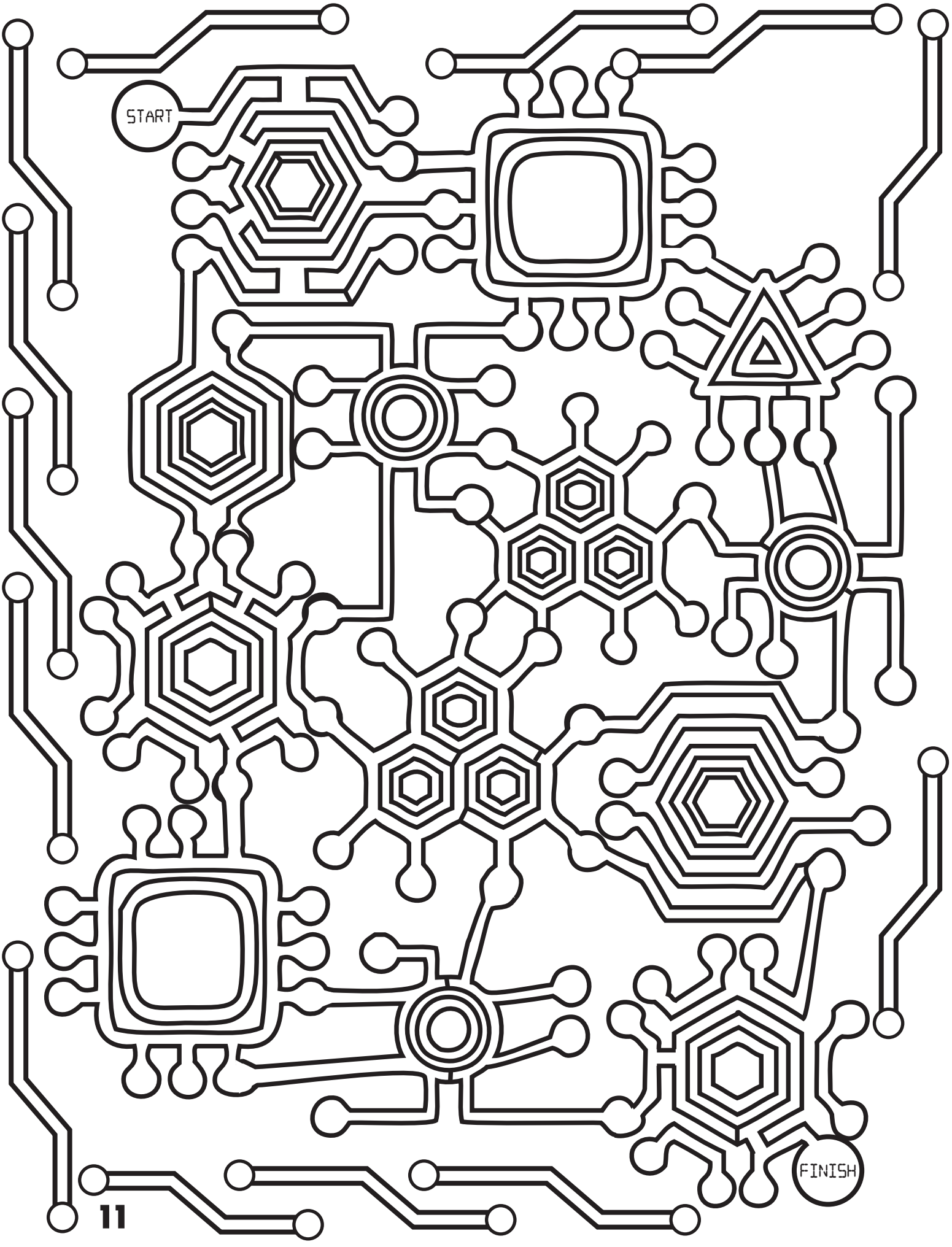


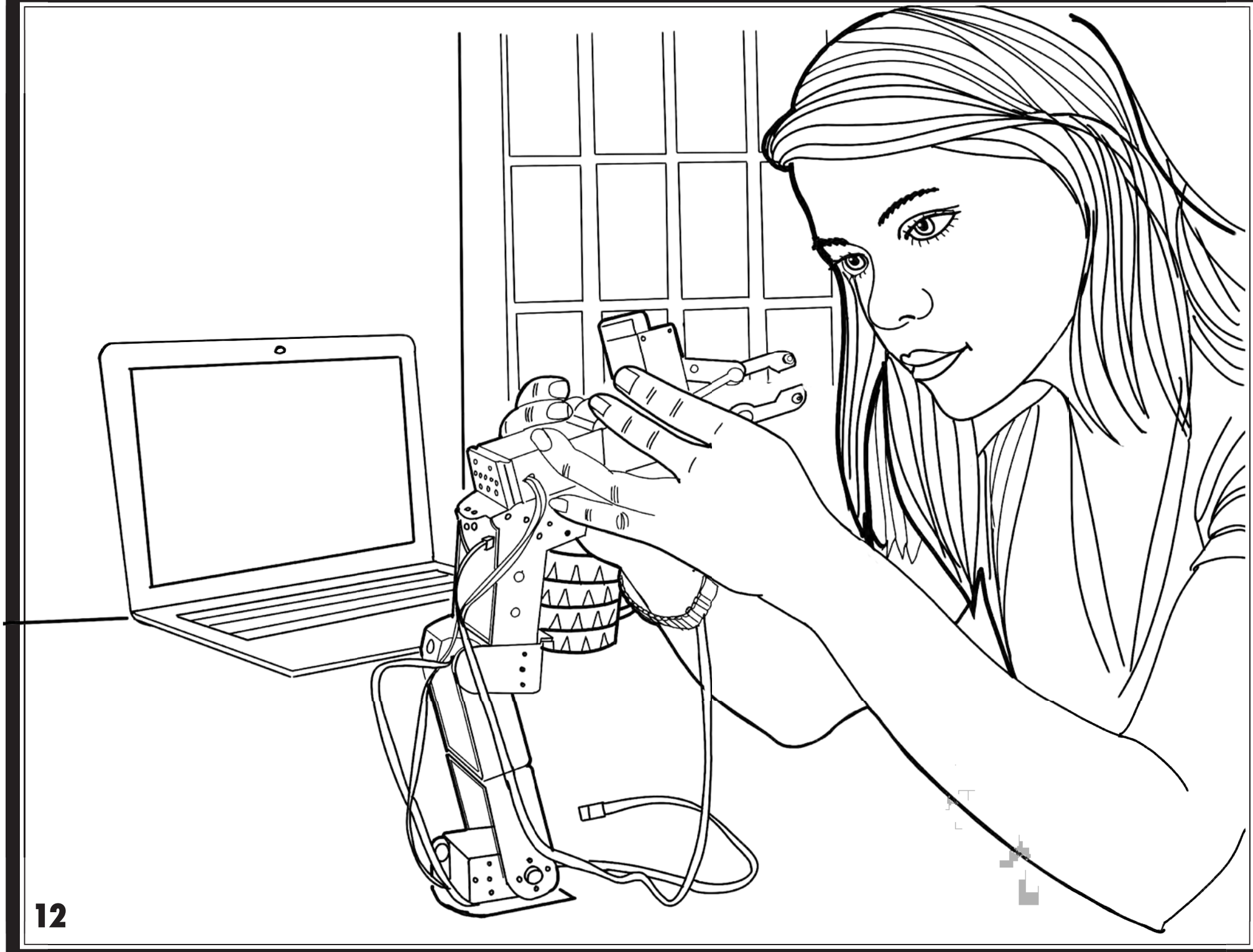
Alessandro Volta was an Italian physicist, chemist, and a pioneer of electricity and power. He is credited as the inventor of the electrical battery, and the discoverer of methane.

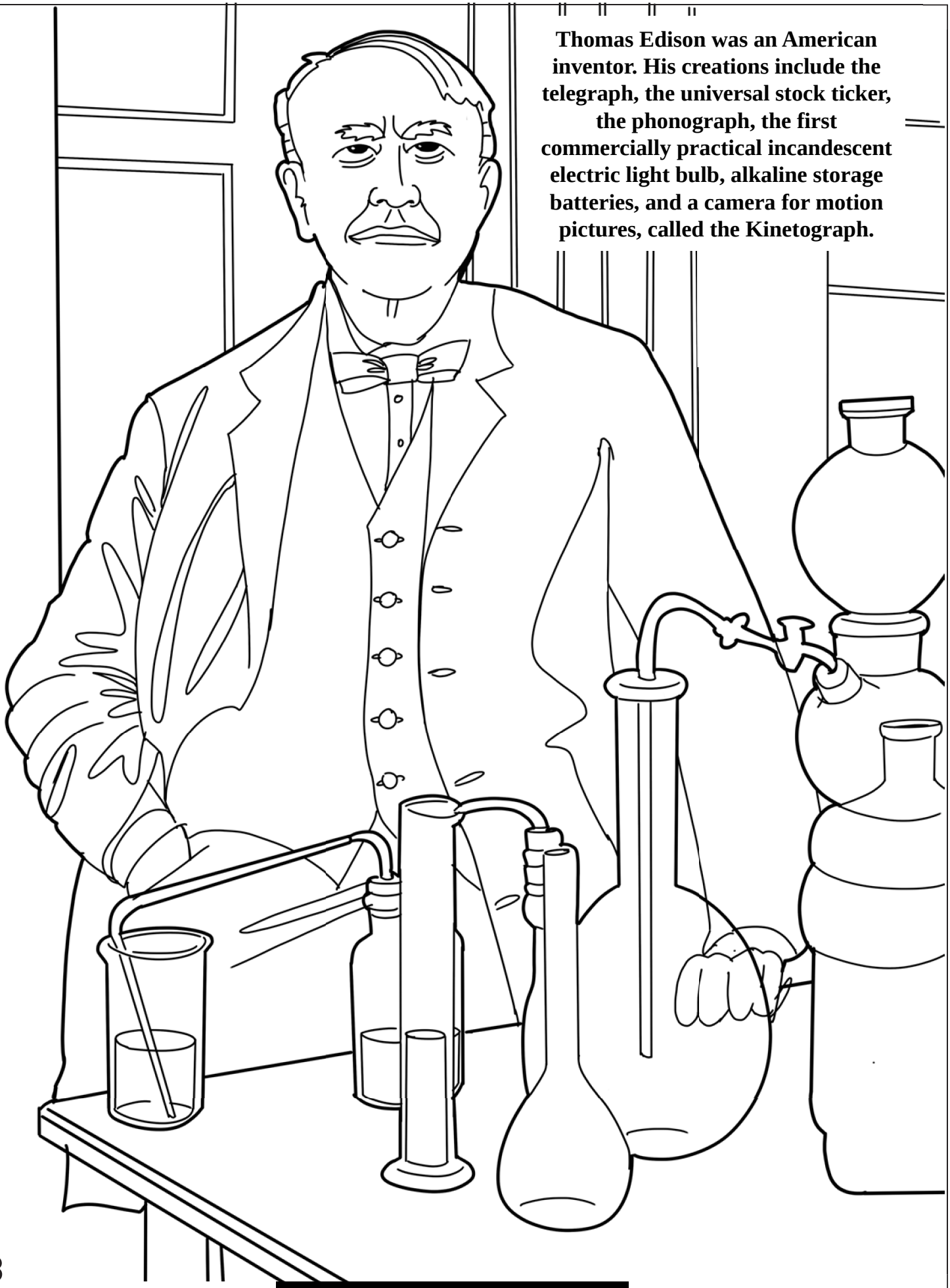
Alessandro Volta

JAMES WEBB SPACE TELESCOPE



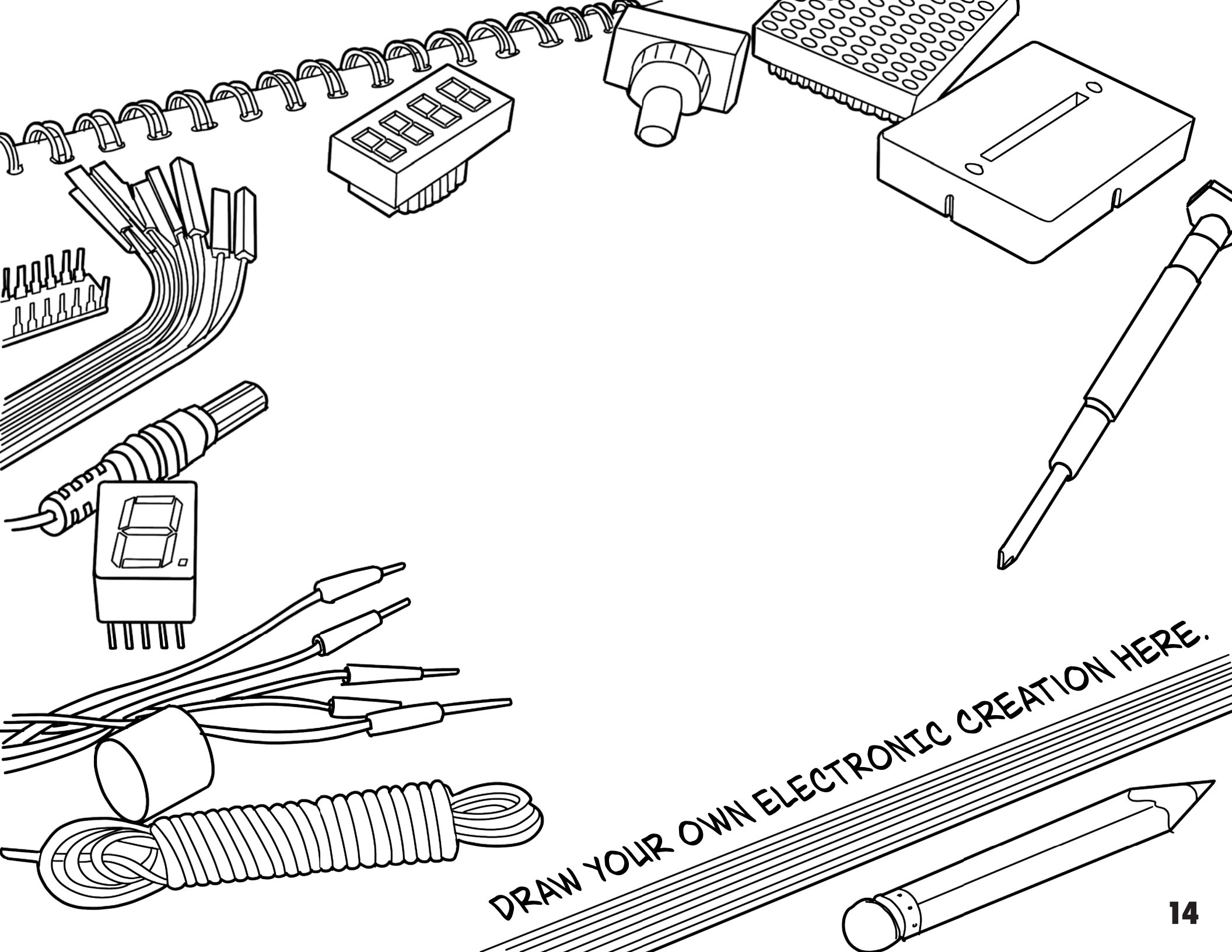

START
FINISH



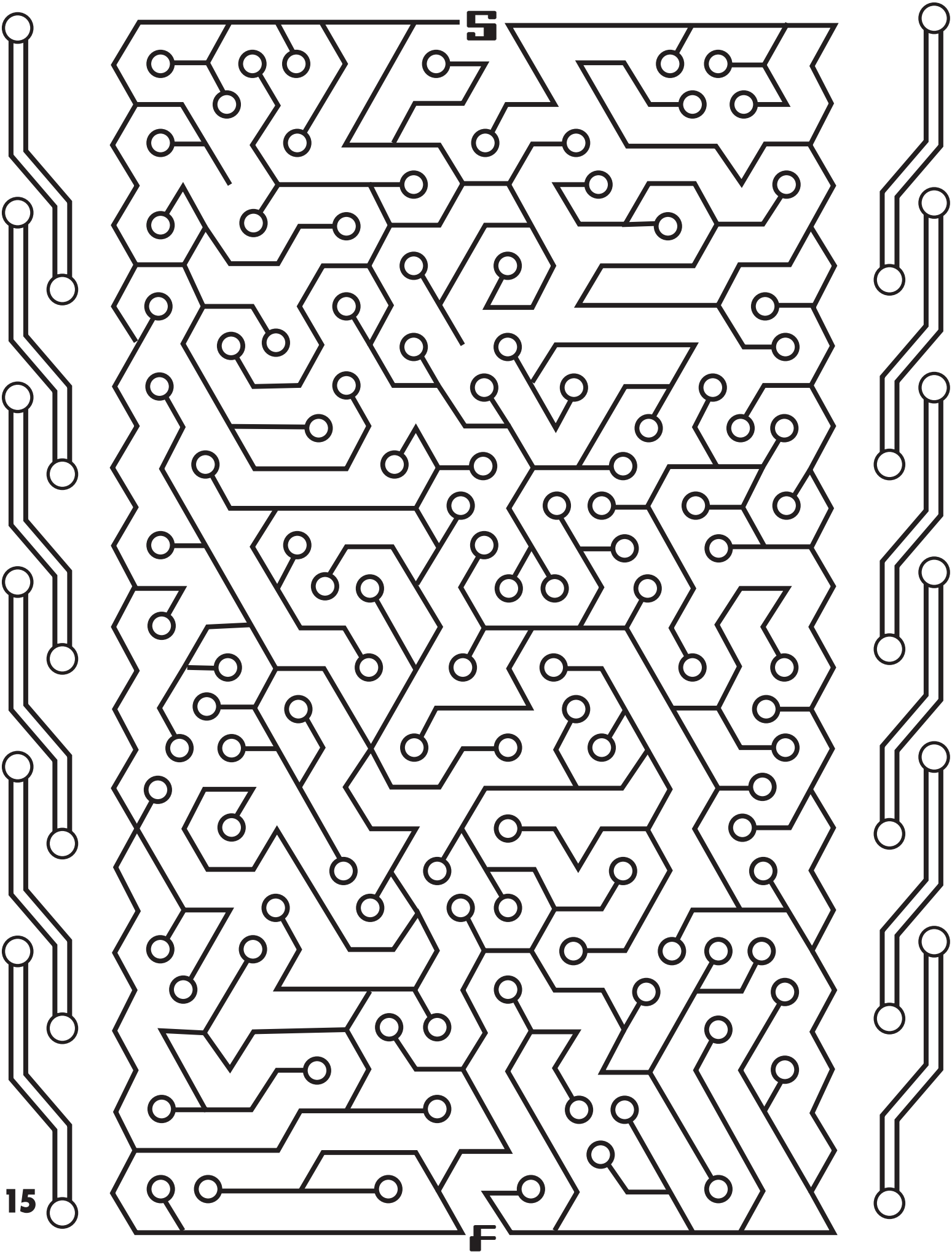


Thomas Edison was an American inventor. His creations include the telegraph, the universal stock ticker, the phonograph, the first commercially practical incandescent electric light bulb, alkaline storage batteries, and a camera for motion pictures, called the Kinetograph.

Thomas Edison



DRAW YOUR OWN ELECTRONIC CREATION HERE.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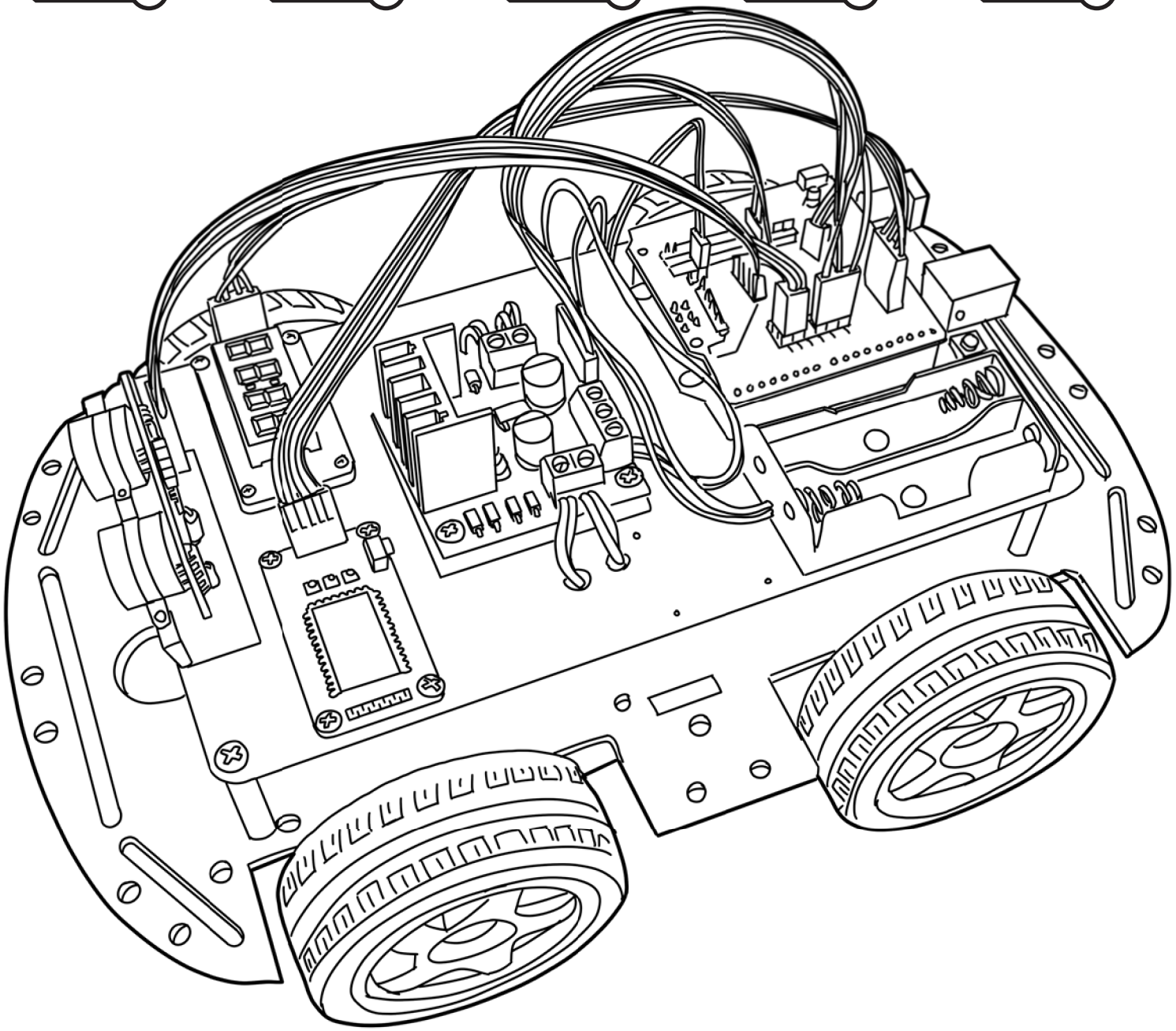
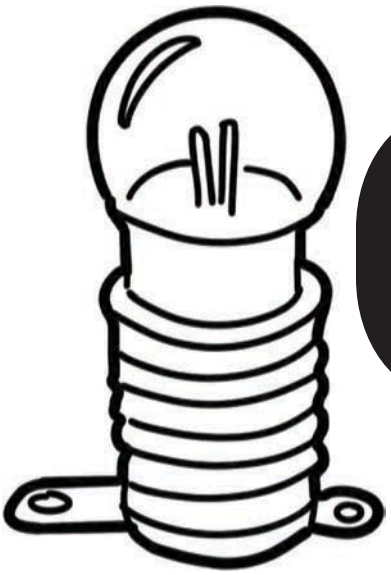


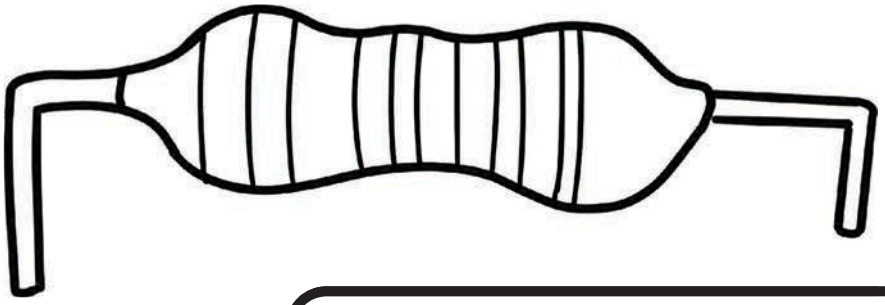
Samuel Morse was an American artist and inventor best remembered for his invention of the single-wire telegraph system; and he was the co-inventor of Morse Code.

Samuel Morse



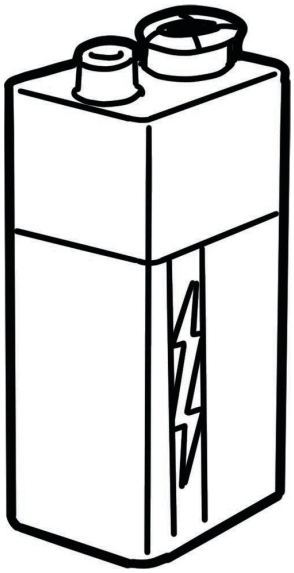
LAMP

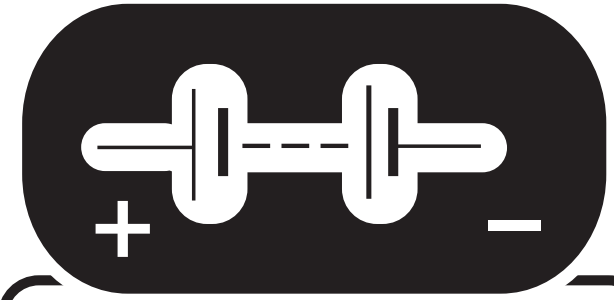
A lamp will light up when it is in a closed circuit.



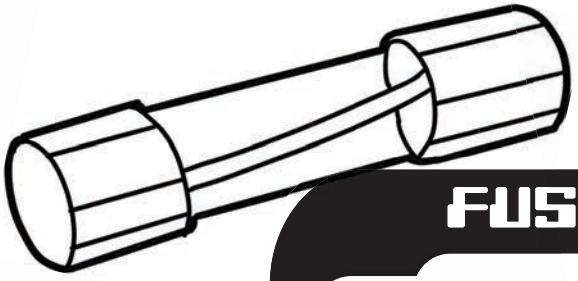
RESISTOR

A resistor controls the amount of current in a circuit.

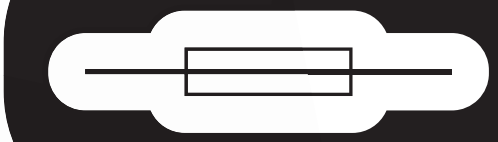




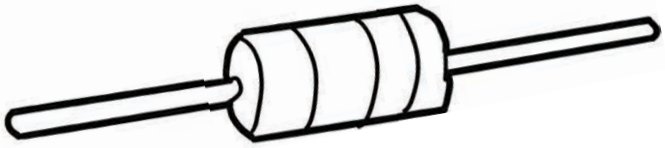
A battery may be the source of electrical energy.



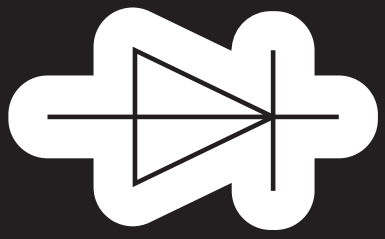
FUSE



A fuse protects the electrical circuits. It usually has a thin wire that will melt and break the circuit, if too large a current flows through it.

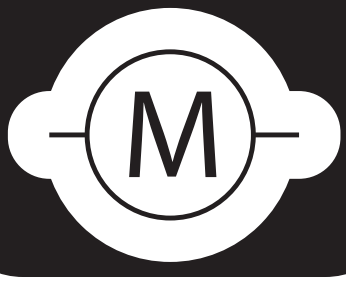


DIODE

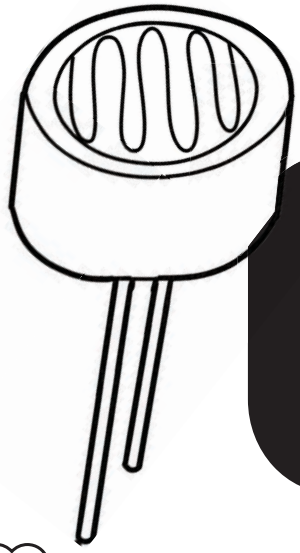


A diode allows the current to flow in one direction.

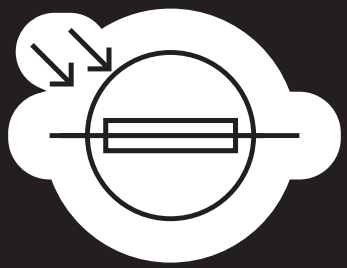
MOTOR



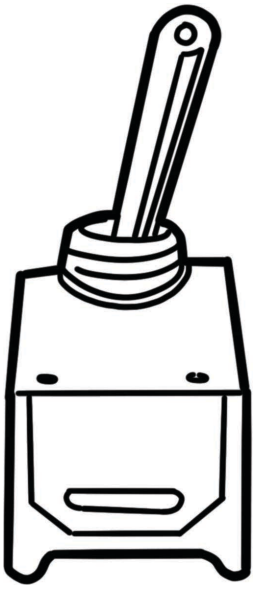
A motor goes into motion when current runs through it.



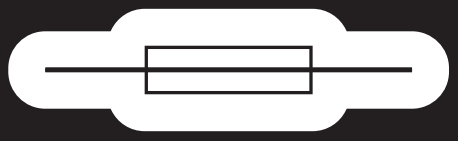
LDR



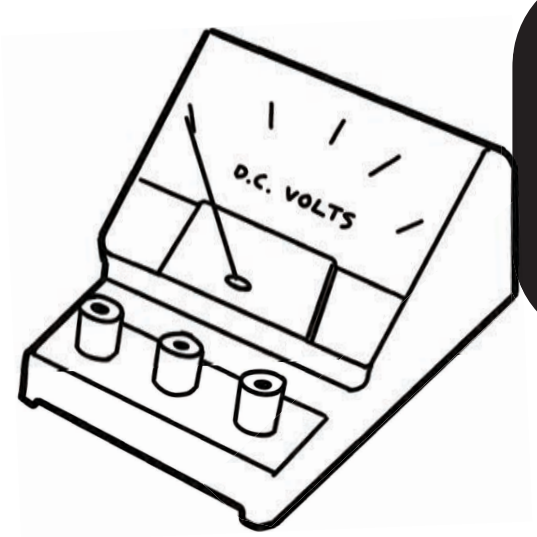
A light-dependent resistor (LDR) adapts to the amount of light it receives. More light intensity decreases the resistance.



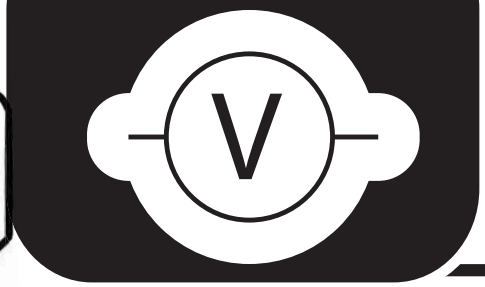
SWITCH



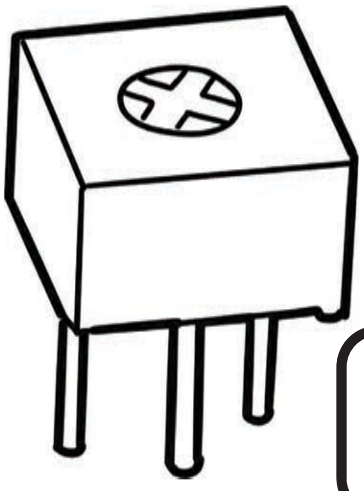
A switch is turned on, or closed, when the current is flowing. It is off, when it is open, and the current flow is stopped.



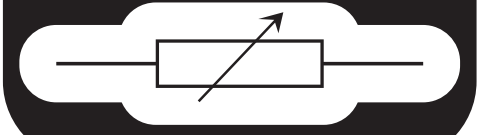
VOLTMETER



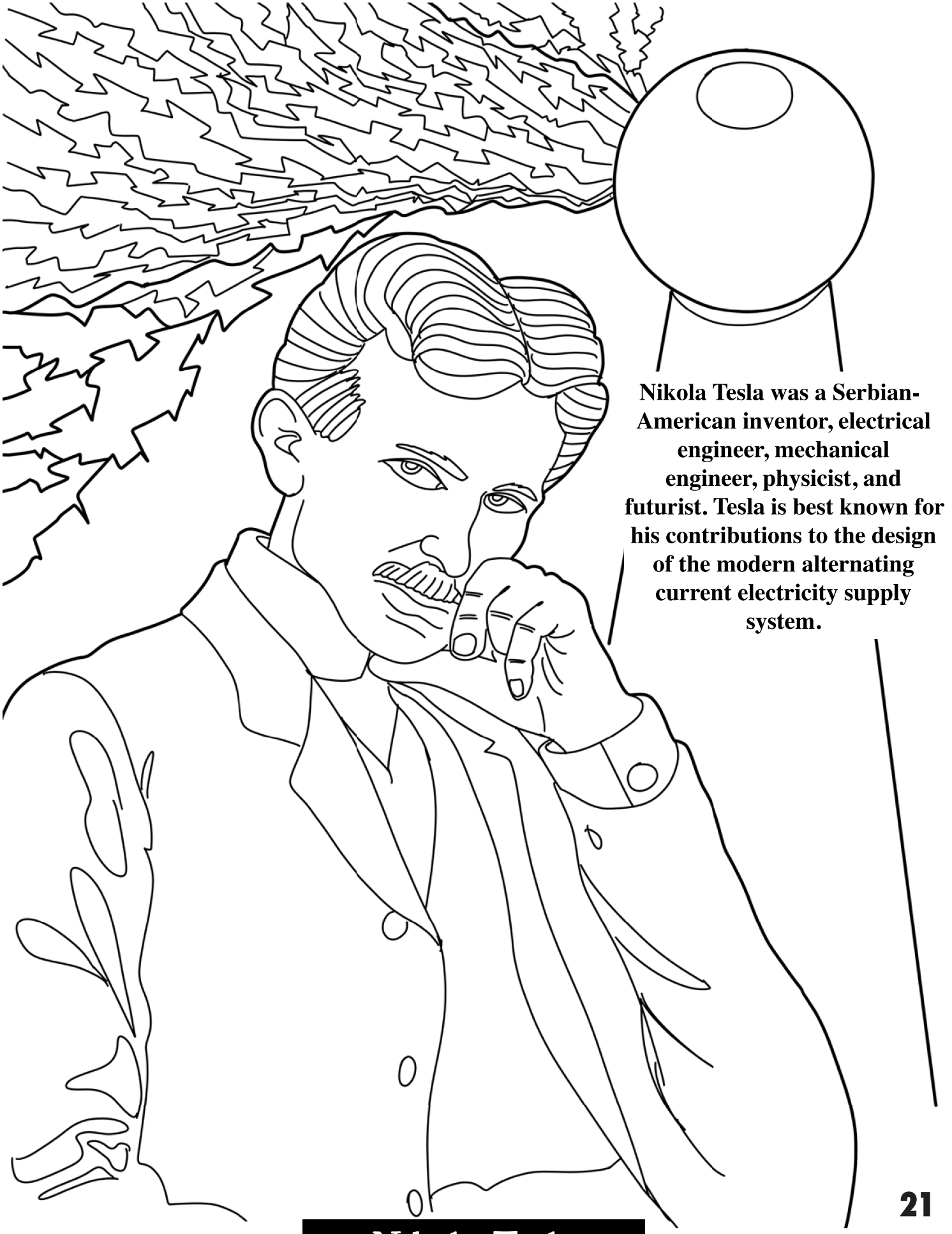
A voltmeter is used to measure the difference between two points in an electrical circuit.



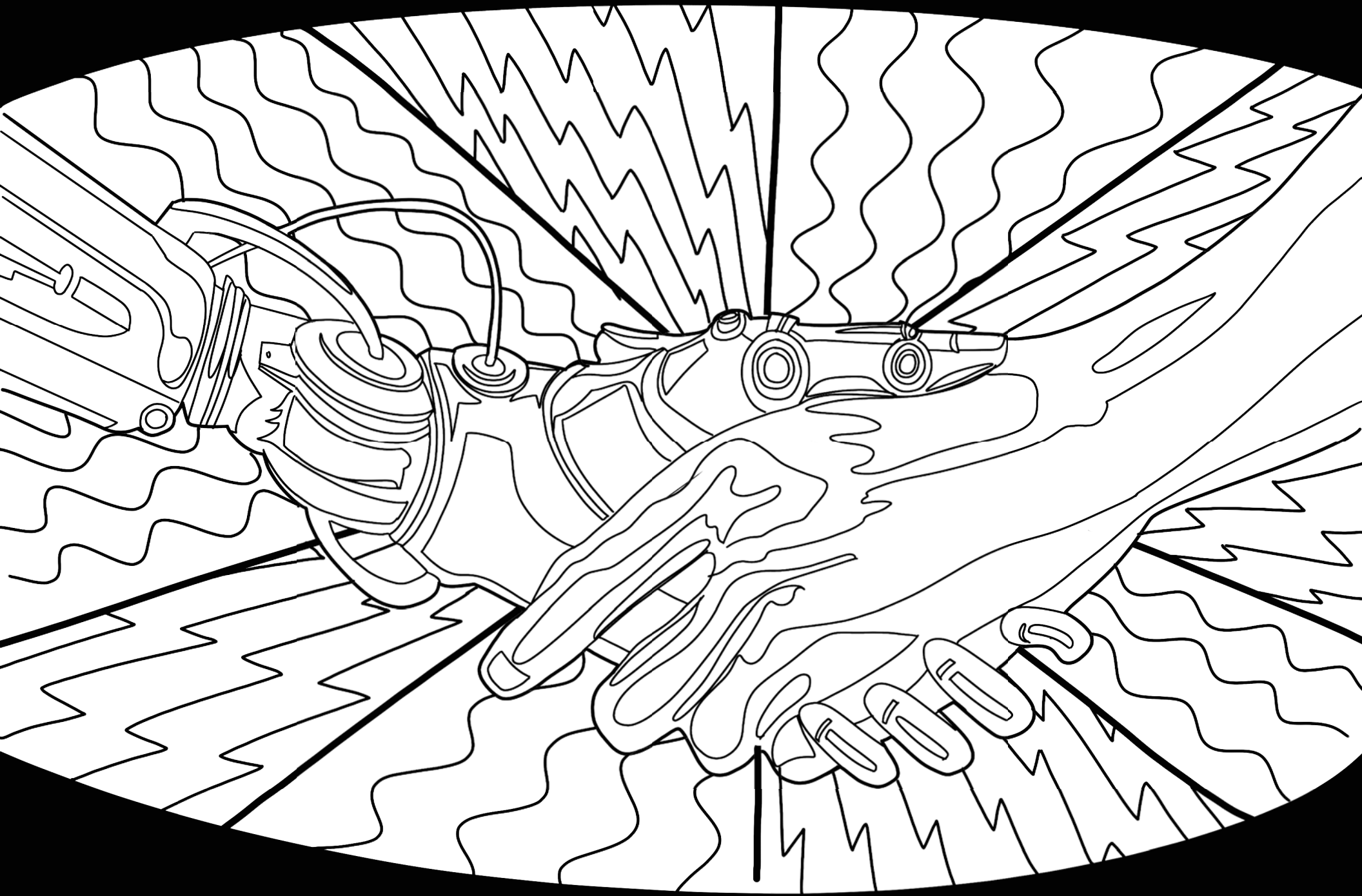
VARIABLE RESISTOR

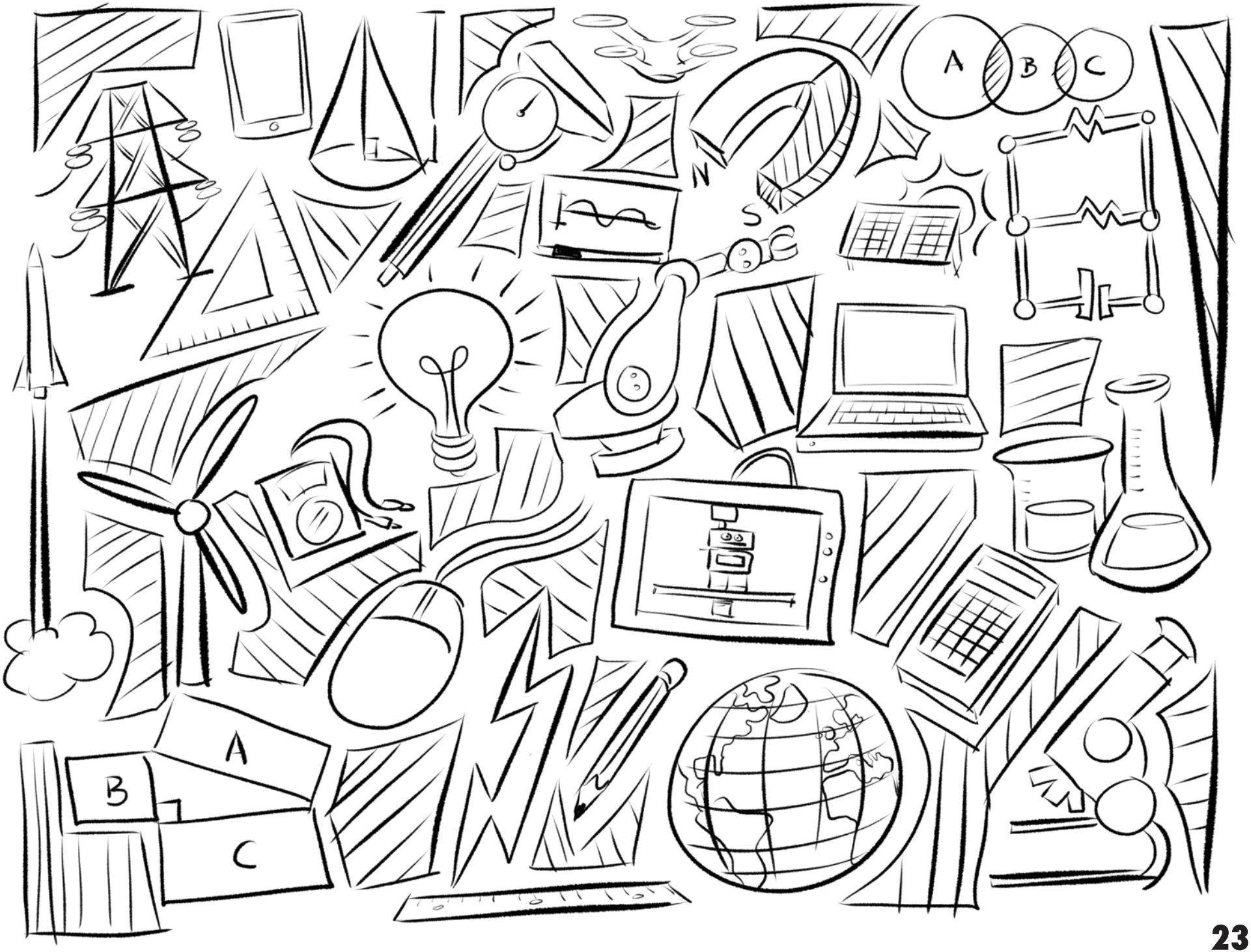


A variable resistor can be adjusted to control the amount of current in the circuit.



Nikola Tesla

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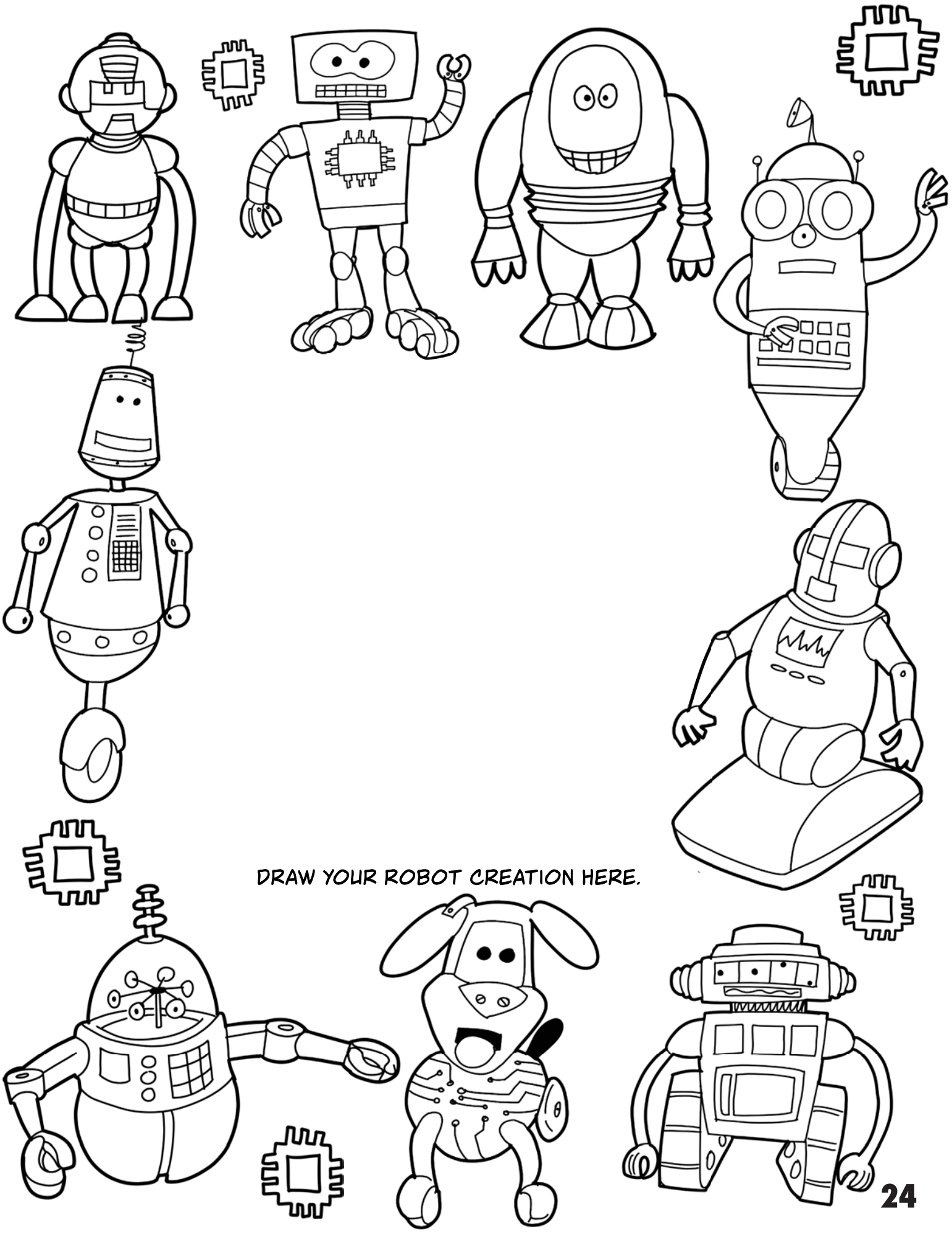
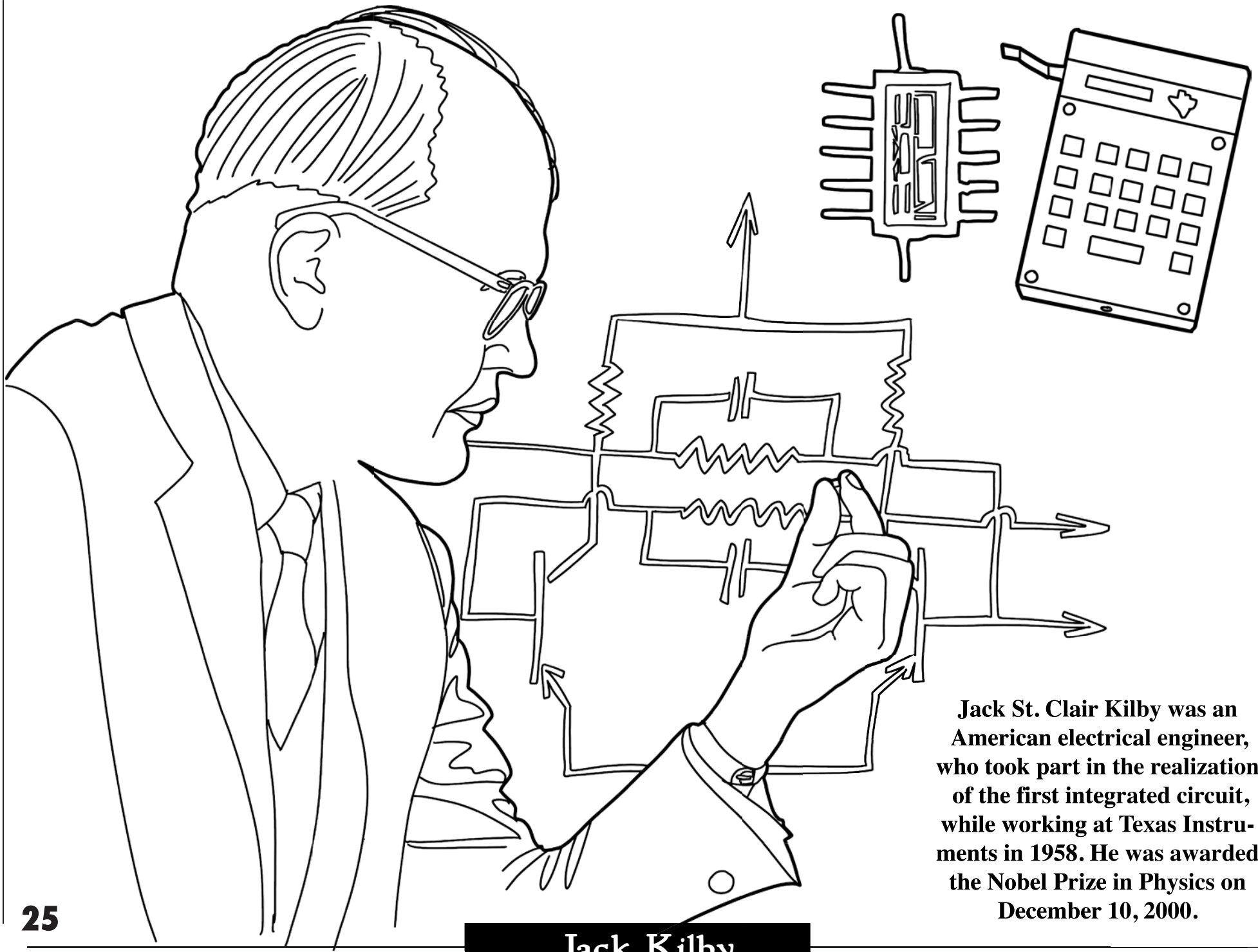


DRAW YOUR ROBOT CREATION HERE.



Jack St. Clair Kilby was an American electrical engineer, who took part in the realization of the first integrated circuit, while working at Texas Instruments in 1958. He was awarded the Nobel Prize in Physics on December 10, 2000.

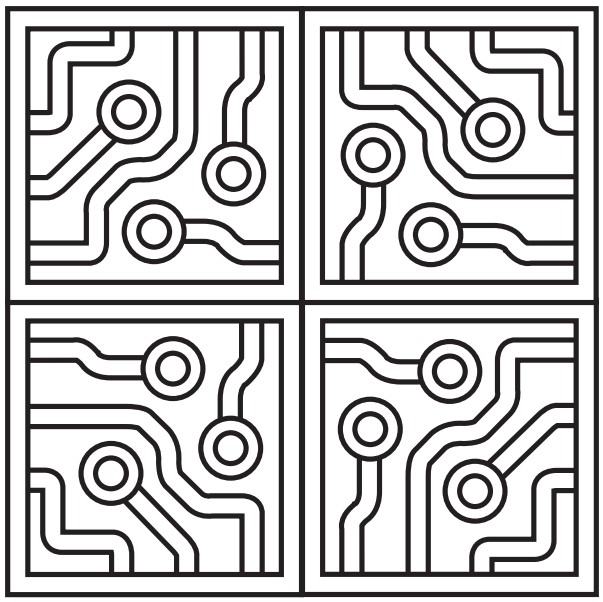
Jack Kilby

About the Author

Jeff Knurek, Jumble cartoonist, is an award winning toy and game inventor, consumer product developer, graphic artist, illustrator, cartoonist, and puzzle creator. Knurek's first game invention to make it to market, in 1989, was the outdoor game, Spikeball. His other game credits include *Family Fun* magazine's "Toy of the Year" award winners: "What's In Ned's Head?" and "Monster Under My Bed." Knurek also develops and licenses children's magic tricks and products for Las Vegas headliner, Mac King.

In 2008, Jeff Knurek became only the third artist to draw the popular Jumble puzzle cartoon, seen in more than 600 newspapers. He took over the art duties for Jumble, when the great Henri Arnold retired. Knurek's unique humor and style can be seen in the caricatures and fun pop culture references placed throughout his cartoons.

Knurek's hometown is Southgate, Michigan. He has lived throughout the Midwest, in Ohio, Illinois and Indiana. Knurek received a B.F.A. in Industrial Design, with an Art Education certification, from the University of Michigan. In 2007, he donated a kidney to a family member with Polycystic Kidney Disease, and both are doing great. Knurek currently resides in Fishers, Indiana, with his wife Kathy; and children, Sydney and Cameron.



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