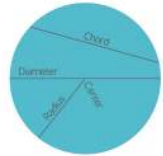
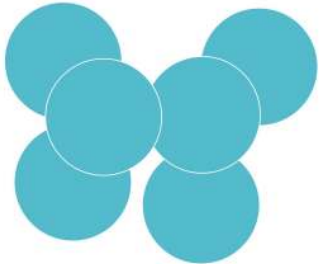
ROBOTICS for babies

Chris Ferrie and Dr. Sarah Kaiser

This is a ball.



It is shaped like a circle. Circles are cool!



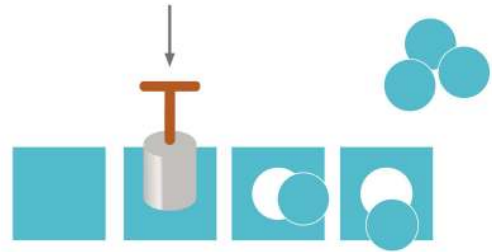
We want more circles!

Let's get to work!

This might take a while.

How can we make this go faster?

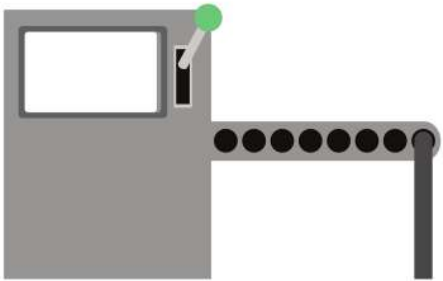
Maybe a tool can help.



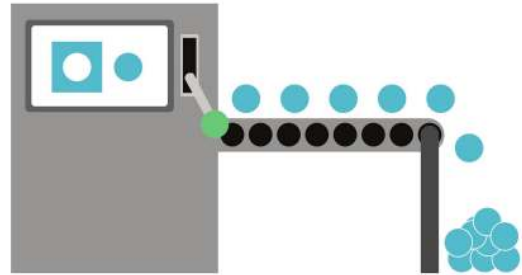
This is faster!

But the circles are not quite the same.

How can we work faster
and make the circles exactly the same?

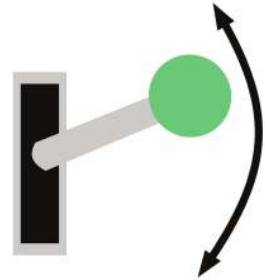


Maybe a machine can help.

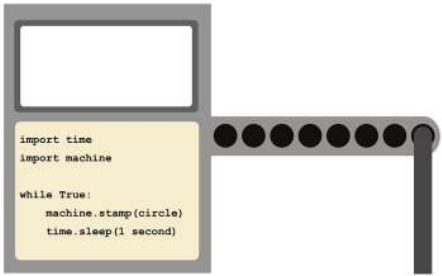


Now they look the same!

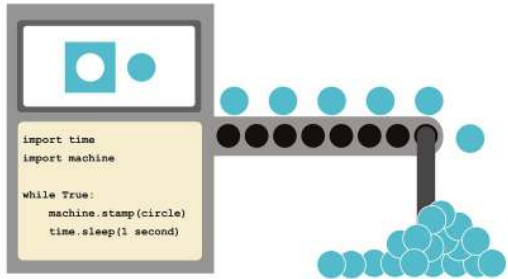
But someone still needs
to operate the machine.



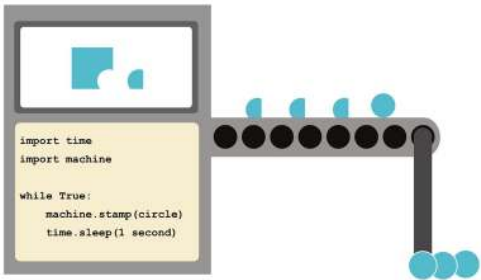
How can we make the machine work by itself?



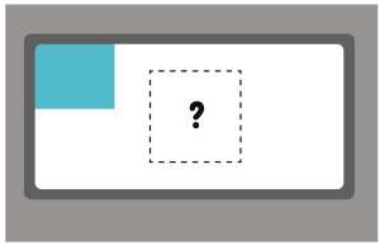
Maybe a computer can help.



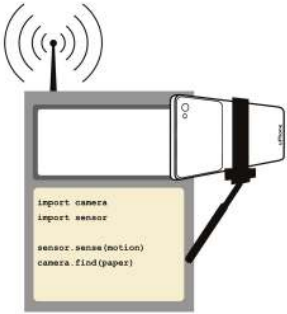
Now this is fast *and* easy!



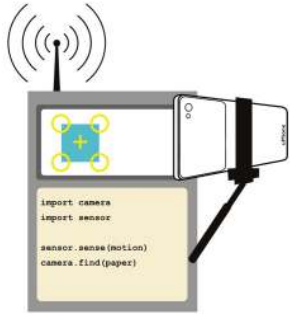
But the paper has moved.



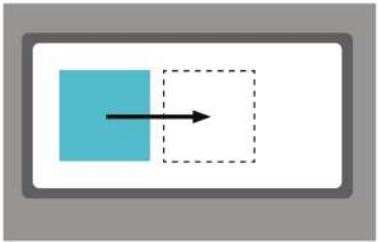
How can we make the computer see the paper?



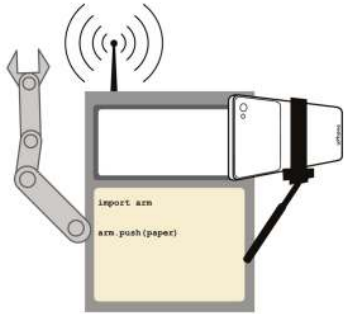
Give the computer cameras and sensors.



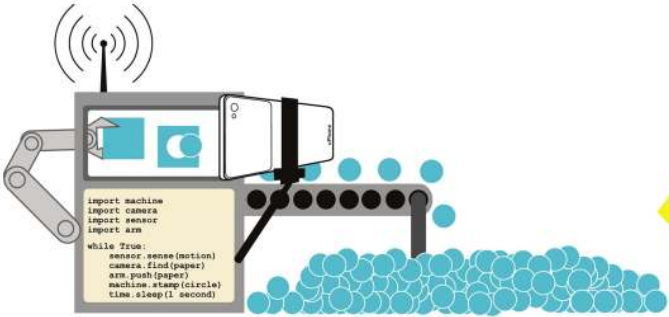
Now the computer can find the paper.



But the computer can't move the paper.



Give the computer an arm.
That should help! Now it's a robot!



Robots make circles faster, better, and automatically.

Now you know **ROBOTICS!**

Simple explanations of complex ideas

FOR YOUR FUTURE GENIUS!

Baby University

It only takes a small spark to ignite a child's mind.

Chris Ferrie is a physicist, mathematician, and father of four budding young scientists. He believes it is never too early to introduce small children to big ideas!

Dr. Sarah Kaiser is a research engineer and physicist working on developing the next generation of consumer technology. Some of her favorite things are building lasers, kayaking, and breaking things to learn how they work.

Published by Sourcebooks, Jabberwocky, an imprint of Sourcebooks, Inc.
This product conforms to all applicable CPSC and CPSIA standards.
Source of Production: RR Donnelley & Sons Company, Harrisonburg, Virginia, United States
Date of Production: January 2019
Run Number: 5018819

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