

ROBOT

Unit Study

Worksheets and Notebooking Pages,
Book Report, Book List, Video Links,
Robot Junk Art, Acrostic Poem &
Vocabulary

32 pages

Grade 2nd-6th



Discover Unit Studies .com

By Deanna Holm

Robot Unit Study
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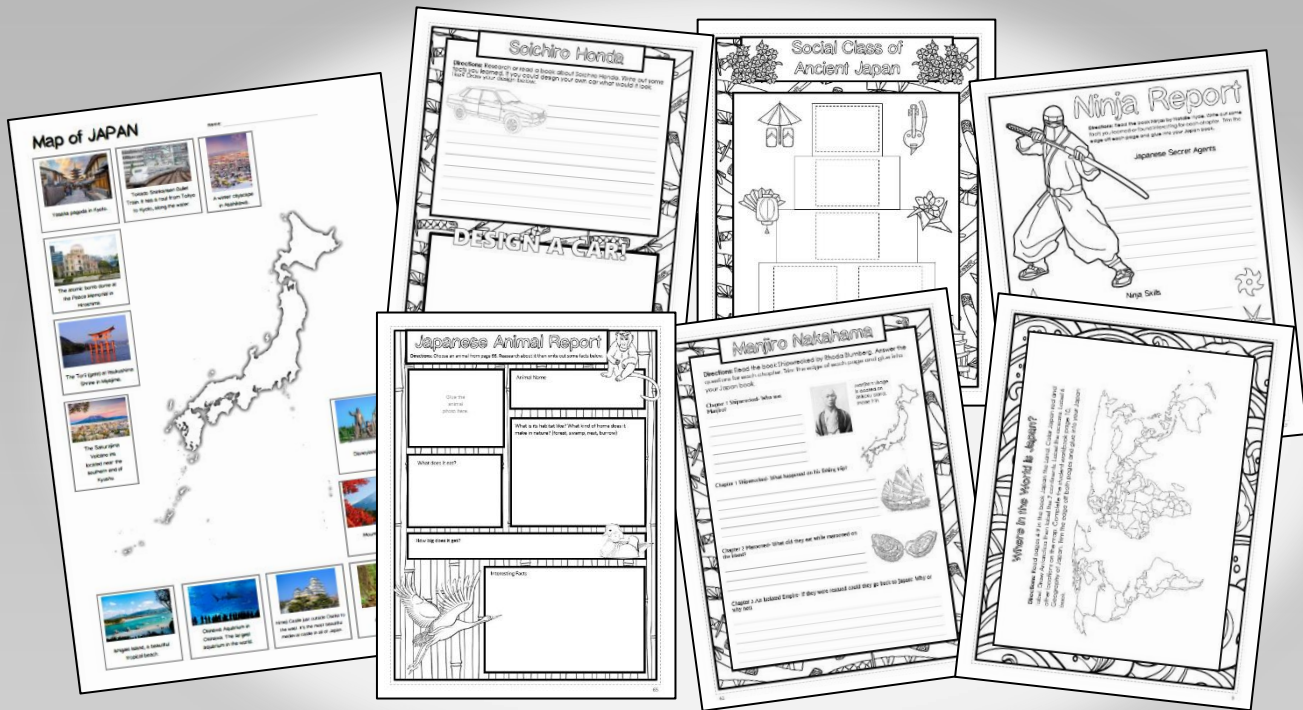
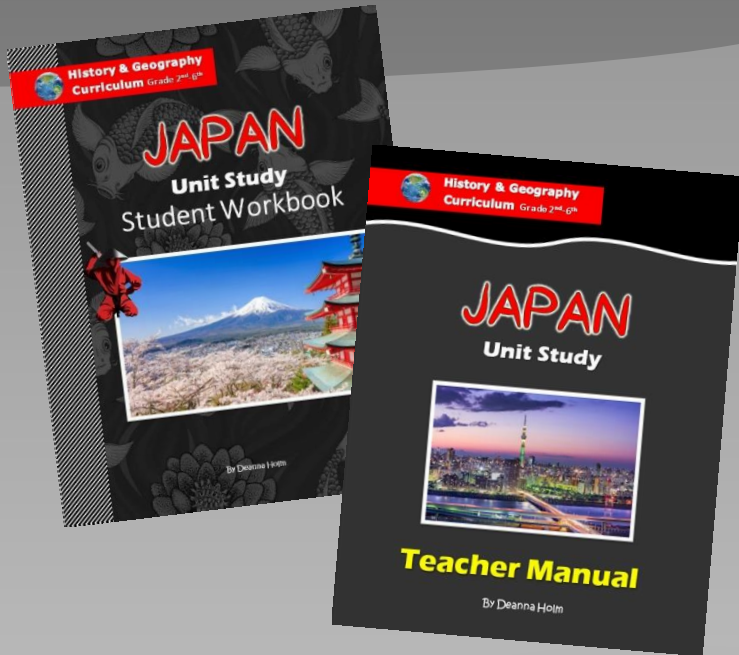
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Thank you- Deanna

My Japan Unit Study has many hands-on lessons you and your student will enjoy as you learn about the Japanese culture. Available at www.discoverunitstudies.com

Make your very own book about Japan!



Robot Notebooking Pages

In addition to worksheets such as, an acrostic poem and book reports, you will also find numerous notebooking pages. Notebooking pages are a fancy way of taking notes and allow you to study about any topic. They give you the flexibility to use any book, yet they give your student some structure, guidelines and spaces to write facts or draw pictures about what they learned or found interesting. In this download you will find robot-themed notebooking pages that have lines for writing and blank areas for drawing pictures (or writing). You can use these pages however you wish.

Vocabulary Word List

utilize	robot	manufacture
technology	robotic	momentum
theory	roboticist	implication
software	physics	industry
sophistication	process	innovation
recognition	program	humanoid
refinement	programmer	engineer
prototype	sensor	design
calculate	motor	inspect
creativity	engine	artificial intelligence
analysis	chassis	parallel processing
actuator	axle	controller
articulation	wheel	circuit board
automated	rotary	linear

Robot Junk Art

Make Robot Junk Art with recycled items. Take apart old electronics and toys to salvage parts from. Hot glue pieces together to make an artistic robot. Recycled tin cans from canned food work great as the body. This is what my son used for his. He painted the body with red with acrylic paint.



Recycled Items Shelf

We have an entire shelf devoted to recycled items for engineering and art in our school room and it is all free. They are making things from this shelf nearly every day. In addition to this my boys use acrylic paint, googly eyes, pipe cleaners, lots of tape such as colored electrical tape, Gorilla tape and Duct tape, and hot glue. I will also save old toys and electronics for them to take apart, finding a cool circuit board inside a broken radio or toy is like finding gold. The Goodwill is also another good resource to find old electronics to take apart. I will also add paper plates, cups, and plastic utensil that are left over from a party on this shelf too. Cereal boxes are another great recycled item because they are thin enough for kids to cut and make stuff with. Lids of all kinds are washed and thrown in the big bins and even marker lids from dried up markers. Just about anything can be recycled. You just might be surprised at what your students create when they have these items available.



Videos

Robotics is STEM 2:46 <https://www.youtube.com/watch?v=Q6Cy3z5QunI>

10 Amazing Robots That Will Change the World 2:53
<https://www.youtube.com/watch?v=6feEE716UEk>

A Brief History of Robots 10:36 <https://www.youtube.com/watch?v=uoC2ZGRI8a8>

What Are Robots? 1:59 https://www.youtube.com/watch?v=TZICer_-wi4

Real-Life Robots 4:07 <https://www.youtube.com/watch?v=8wHJlMnikU>

Fun Facts About Robots! 1:38 <https://www.youtube.com/watch?v=UuPAlmipntw>

5 Amazing Robots 2016 12:21 <https://www.youtube.com/watch?v=6zpuHr7t8xl>

Japan: Robots 7:11 <https://www.youtube.com/watch?v=jlR7wSpLkWY>

Japan engineers create robot that transforms into car 3:04
<https://www.youtube.com/watch?v=3lohDu3gg1s>

Robot Books

Robot by DK, age 9-12, 160 pages

From automata created by Leonardo Da Vinci to modern-day androids and animal robots, this covers artificial intelligence (AI) throughout history. Discover the latest at the cutting edge of robotics, where science, technology, mechanical engineering, and computing meet as The Robot explains how robots work, how they are made, and how they help and sometimes hinder in modern society.



book
Book

National Geographic Readers: Robots by Melissa Stewart, age 6-9, 48 pages

Discover the coolest robots of today and tomorrow in this colorful, photo-packed book. In this and entertaining format, kids will learn about the science behind these amazing machines. This reader is written in an easy-to-grasp style to encourage the scientists of tomorrow!



inviting
Level 3

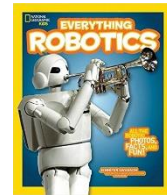
Ricky Ricotta's Mighty Robot vs. the Jurassic Jackrabbits from Jupiter by Dav Pilkey, age 4-8, 128 pages
Today is Ricky's birthday, and it's off to a great start! After peanut-butter pancakes and presents, parents are taking him and his Mighty Robot to see dinosaurs at the museum. And they have a surprise for Ricky: His cousin, Lucy, is coming with them! Ricky thinks Lucy is a real pest. Suddenly, aren't looking so sunny anymore. – There are several books to this series. These are the perfect introduction to chapter books. They are full of colorful illustrations.



pages
Ricky's
things

National Geographic Kids Everything Robotics by Jennifer Swanson, age 8-12, 64 pages

They fix spacecraft, dance, tell jokes, and even clean your carpet! From the tiniest robo-bees gigantic factory machines, robotics is all around you. This technology isn't just for science-anymore -- it's real and more relevant than ever. With stunning visuals and energetic, design, readers won't stop until they've learned everything there is to know about robotics.



to
fiction
impactful

Your Very Own Robot (Choose Your Own Adventure) by R. A. Montgomery, age 6-9, 80 pages

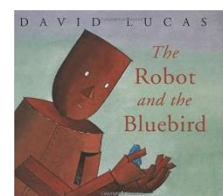
Your Very Own Robot by R. A. Montgomery takes YOU on a zany adventure with your best friend, Gus. Your 6-8 year old reader will sail the high seas, soar into space, and save Gus junkyard! Your Very Own Robot introduces the wacky tale that continues in companion book Own Robot Goes Cuckoo-Bananas!. Choose Your Own Adventure Your Very Own Robot is an interactive adventure book in which YOU decide what happens next. After building Gus, do you turn him on right away or paint him first? Do you ask your parents for help? What will your friends say if you bring him to school?



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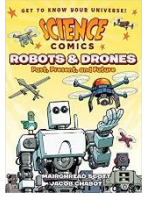
The Robot and the Bluebird by David Lucas, age 4-8, 32 pages

High atop a pile of rubbish sits a lonely Robot with a broken heart. Then one winter's Bluebird appears, fighting against the freezing wind. When the Robot offers her a home empty space where his heart used to be, neither of them can predict what astonishing will happen. Together the newfound friends set off on a memorable journey that will them both.

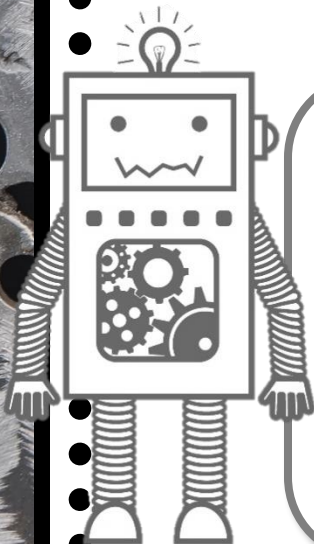
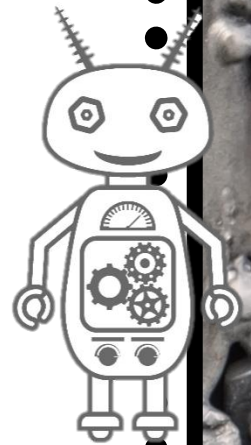
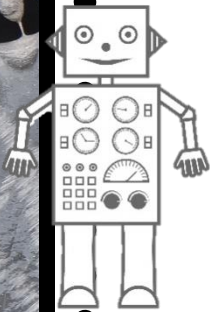
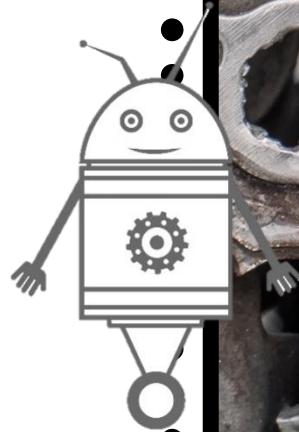
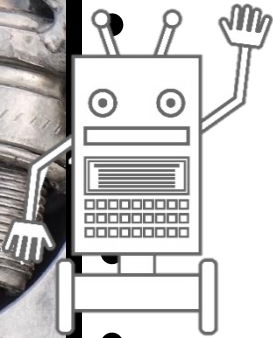


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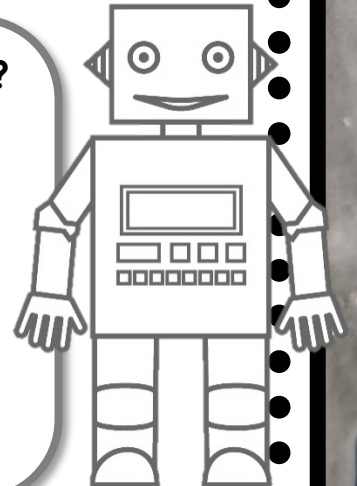
Science Comics: Robots and Drones: Past, Present, and Future by Mairghread Scott, age 9-13, 128 pages
In factories! In the sky! In your cars and phones! In your own home! Robots are everywhere! And they have been for a lot longer than you might realize. From tea-serving robots in feudal Japan to modern rovers exploring Mars, robots have been humanity's partners, helpers, and protectors for centuries! Join one of the world's earliest robots, a mechanical bird named Pouli, as he explores where robots came from, how they work, and where they're going in this informative and hilarious new book! Ever dreamt of building your own best friend? It might be easier than you think!



Design A Robot



What will your robot do? What is its purpose?



Robot Vocabulary

Word:

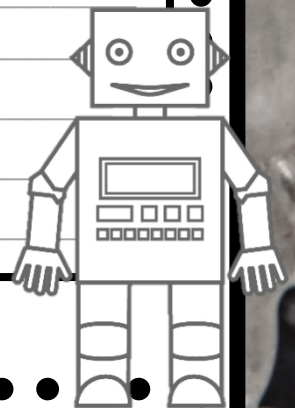
Definition: _____

Word:

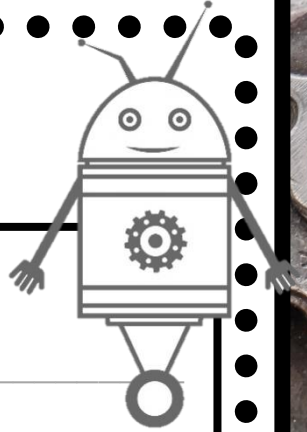
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Robot Vocabulary



Word:

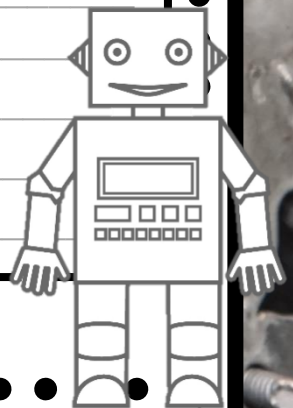
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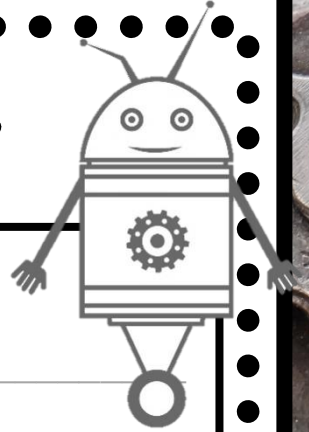
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Robot Vocabulary



Word:

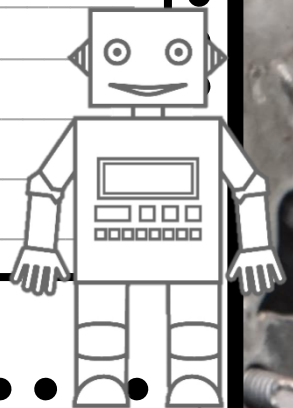
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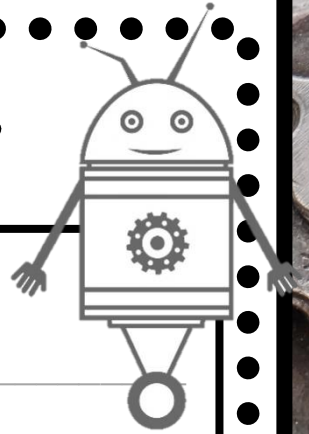
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Robot Vocabulary



Word:

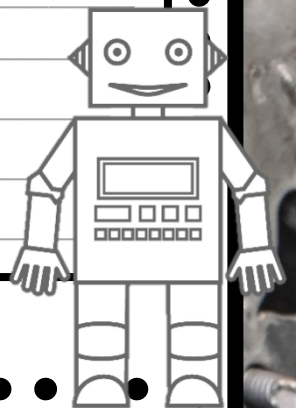
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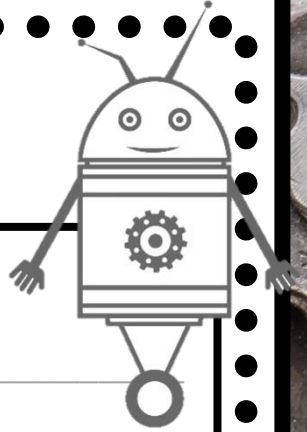
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Robot Vocabulary



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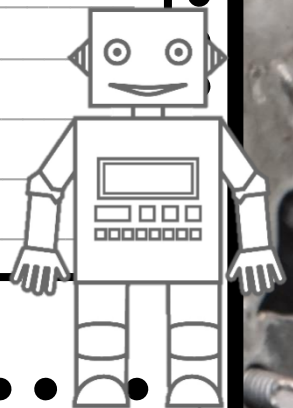
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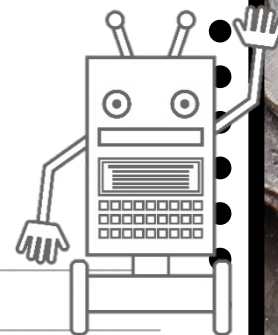
Word:

Definition: _____



Robot Writing Prompt

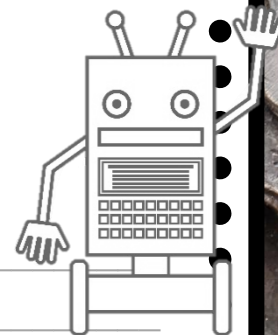
I trained my robot...



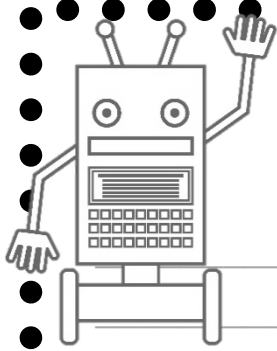
A series of horizontal lines for writing, with a large empty rectangular box at the bottom right.

Robot Writing Prompt

It's the year 2349 and robots are...



A series of horizontal lines for writing, with a large empty rectangular box at the bottom right.



Robots Today

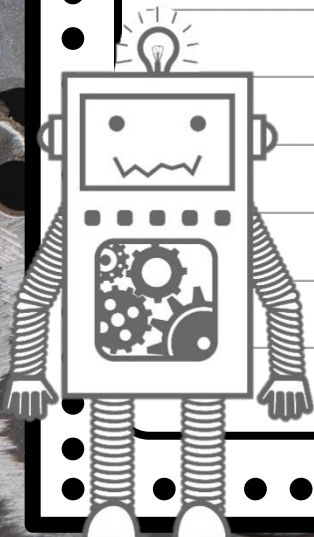
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Robot Book Report

Book Title

Draw a Picture

Facts

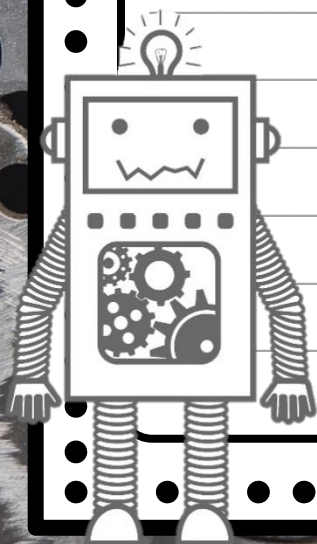


Robot Book Report

Book Title

Draw a Picture

Facts



Robot Acrostic Poem

An acrostic poem is a type of poetry that uses a word written vertically. Each letter of that word will be the beginning of a line in your poem. In this case, the word is Robots. You will begin the first line with a word that begins with "R". Think of a word, phrase or sentence that describes a robot or says something related to it for each letter.

R _____

O _____

B _____

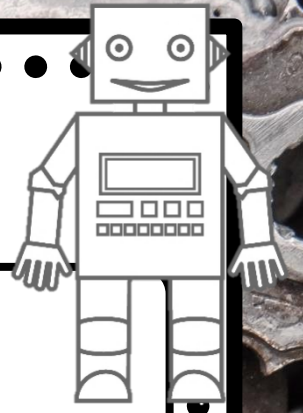
O _____

T _____

S _____

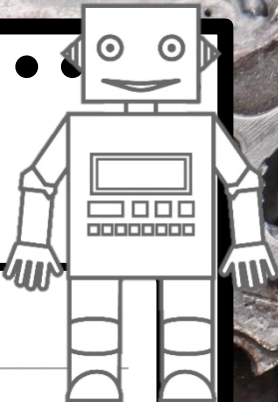
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Robot Facts



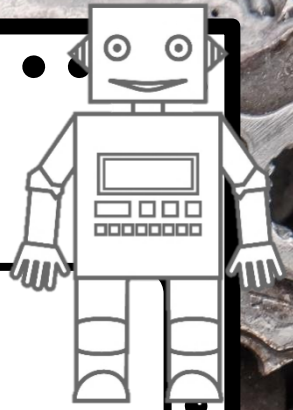
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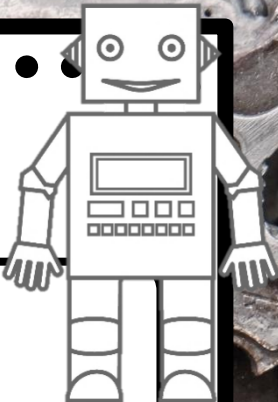
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Robot Facts



**Notebooking
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Robot Facts

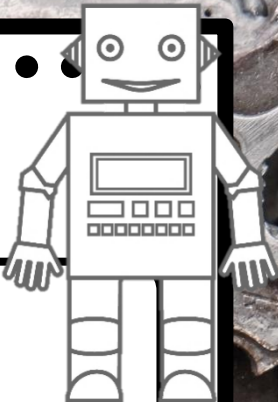


A large, empty rectangular box with rounded corners, intended for drawing or free writing.

A large rectangular box with rounded corners, containing ten horizontal lines for writing.

**Notebooking
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Robot Facts

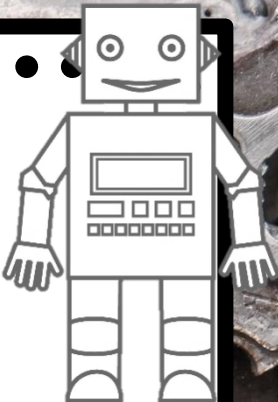


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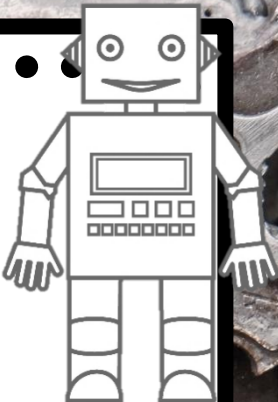
Robot Facts



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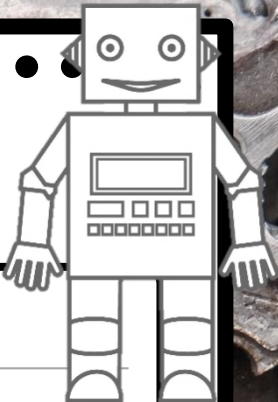
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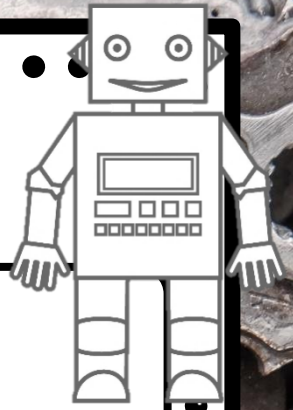
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Robot Facts



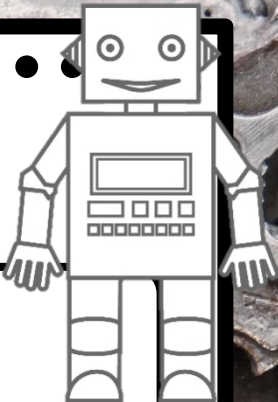
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Robot Facts



**Notebooking
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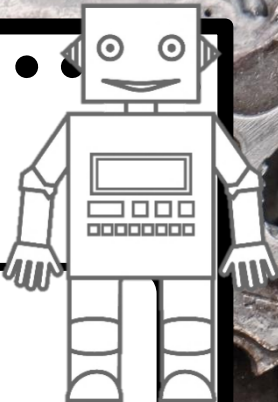
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**Notebooking
Pages**

Robot Facts



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Alaska Lesson Plan

Grades 2nd-6th
10 Pages

Fun Hands-on Topography Project!

Rainforests of the World

Science Curriculum Grade 2-6

USA: The 50 States

Geography & History Curriculum Grades 2nd-6th

THE HISTORY OF CHOCOLATE

4th-8th Grade Unit Study

- Maya
- Aztec
- Culinary Arts
- Industrial Revolution
- Christopher Columbus
- Milton Hershey
- Bologna
- WW2
- Art

Race Car Workbook

Learn Letters with Race Car Themed Worksheets!

Preschool-Kindergarten

Brick Challenge

4 pages

Build A Boat Lesson Plan

Grade K-4th
S.T.E.M- physical science, math concepts, and engineering