

Bookmark File
PDF Programming
Pioneer Ada
Lovelace (STEM
Trailblazer Bios)
*Ada
Lovelace
(STEM
Trailblaze
r Bios)*

*Do you enjoy
spotting wild*

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

animals in the forest? As a little girl, Rachel Carson loved to explore the woods near her house. As an adult, she became an ecologist who helped change national policy and inspired people to protect the

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)
environment.
*While conducting
research on*

*wildlife, Carson
noticed that the
pesticides farmers
used on crops
were harming
animals. Alarmed,
she wrote Silent
Spring, a book that
led to the banning*

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

*of several
dangerous
pesticides. How
did Carson grow
up to become one
of the most
influential
environmentalists
of the twentieth
century? Discover
how her interest in
wildlife led to her*

Bookmark File
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Pioneer Ada
*remarkable career
Lovelace (STEM
as a scientist and
Trailblazer Bios)
writer.*

*"A fascinating look
at Ada Lovelace,
the pioneering
computer
programmer and
the daughter of the
poet Lord Byron."*

--

Ada Lovelace

Page 5/105

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

*wasn't just a
mathematician.*

*She was a pioneer
in computer
programming.*

*Young readers will
learn how this
woman who lived
200 years ago
helped the world
view machines and
numbers in new*

Bookmark File
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Pioneer Ada
ways.

*This illuminating
biography reveals
how the daughter
of Lord Byron,
Britain's most
infamous
Romantic poet,
became the
world's first
computer
programmer. Even*

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Lovelace (STEM
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by 1800s standards, Ada Byron Lovelace had an unusual upbringing. Her strict mother worked hard at cultivating her own role as the long-suffering ex-wife of bad-boy poet Lord Byron while raising

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

*Ada in isolation.
Tutored by the
brightest minds,
Ada developed a
hunger for mental
puzzles,
mathematical
conundrums, and
scientific discovery
that kept pace with
the breathtaking
advances of the*

Bookmark File
PDF Programming

Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

*industrial and
social revolutions
taking place in
Europe. At
seventeen, Ada
met eccentric
inventor Charles
Babbage, a
kindred spirit. Their
ensuing
collaborations
resulted in ideas*

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

*and concepts that
presaged
computer*

*programming by
almost two
hundred years,
and Ada Lovelace
is now recognized
as a pioneer and
prophet of the
information age.*

Award-winning

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

*author Emily
Arnold McCully
opens the window
on a peculiar and
singular intellect,
shaped — and
hampered — by
history, social
norms, and family
dysfunction. The
result is a portrait
that is at once*

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)
*remarkable and
fascinating, tragic
and triumphant.*

Google

Cybersecurity

Expert Parisa

Tabriz

Super Soaker

Inventor Lonnie

Johnson

Environmentalist

Rachel Carson

Bookmark File
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Pioneer Ada
*Nuclear Physicist
Lovelace (STEM
Trailblazer Bios)
Margaret and the
Moon*

Ada Byron, Lady
Lovelace, was one
of the first to write
programs for, and
predict the impact
of, Charles
Babbage's
Analytical Engine

Bookmark File
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Pioneer Ada
in 1843. Beautiful
Lovelace (STEM
and charming, she
Trailblazer Bios)
was often
characterized as
"mad and bad" as
was her illustrious
father. This e-book
edition, Ada, the
Enchantress of
Numbers: Poetical
Science,
emphasizes Ada's

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

unique talent of
integrating
imagination,
poetry and
science. This
edition includes
all of Ada's
fascinating letters
to Charles
Babbage, 55
pictures, and
sidebars that

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

encourages the reader to follow Ada's pathway to the 21st century.

Alan Turing loved math and science as a child. As an adult, he used his code-breaking skills to help the Allied Powers win World War II.

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Pioneer Ada
"Ada Lovelace
Lovelace (STEM
Trailblazer Bios)
wasn't just a
mathematician.

She was a pioneer
in computer
programming.

Young readers will
learn how this
woman who lived
200 years ago
helped the world
see machines and

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

numbers in new
ways. Download
the Capstone 4D

app to access a
variety of bonus
content."--

Beginning readers
are introduced to
the detective
mystery genre in
these chapter
books. Perfect for

Bookmark File
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Pioneer Ada
the Common
Lovelace (STEM
Core, kids can
Trailblazer Bios)
problem-solve
with Nate, using
logical thinking to
solve mysteries!
Somebody has
been raiding
Oliver's garbage
can each night.
How can Nate
narrow the long

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

list of suspects
down to one?
Nate the Great
might just have to
go under cover . . .
under cover of the
garbage can lid,
that is! Check out
the Fun Activities
section in the back
of the book! Visit
Nate the Great

Bookmark File
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Pioneer Ada
and Sludge! Natet
Lovelace (STEM
heGreatBooks.co
Trailblazer Bios)
m * “ Marc
Simont ’ s
charcoal and
pastel illustrations
provide the
perfect backdrop
for this clever
case. ” —School
Library Journal,
Starred “ First

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

graders ' favorite
private eye solves
the case of
Oliver ' s
scattered garbage
in those short,
easy sentences
that Sharmat
transforms into
crisp, tough-guy
humor. ” —Kirkus
Reviews (A Kirkus

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Pioneer Ada
Reviews Editor 's
Lovelace (STEM
Choice)
Trailblazer Bios)
Their Lives and
Ideas, 21 Activities
Ada Lovelace,
Poet of Science
Ada, the
Enchantress of
Numbers

Astronaut Mae
Jemison

*Presents the life of
the NASA engineer
and inventor, from
his childhood to his
invention of the
Super Soaker water
gun.*

*While watching Star
Trek on television as
a child, Mae Jemison
was certain she would
one day visit space.*

As an adult, she made

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

*this dream a reality
when she became the
first black female*

NASA astronaut.

*Jemison became a
medical doctor before
applying for NASA's
Space Shuttle*

*program. Then, in
1992, she blasted off
on the shuttle*

*Endeavour and
conducted scientific*

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

*experiments to test
the effects of space on
human bone cells.*

*Jemison has
dedicated her life to
science education and
to finding ways to use
technology to help
communities around
the world. Find out
how Jemison's
passion for science
led to her many*

Bookmark File
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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

impressive

achievements.

Learn how Nancy

Grace Roman

followed her lifelong

passion for

astronomy and

eventually became

NASA's first chief of

astronomya position

that would allow her

to shape the field for

more than fifty years.

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

Born during a short-lived marriage between the Romantic poet Lord Byron and an educated mathematician, Lovelace felt the pull of both the creative and scientific worlds. As a lonely and sickly young girl, Lovelace spent her hours building a flying

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

machine and other inventions. While her mother pushed the study of mathematics on her, Lovelace often applied poetic and intuitive thinking to scientific concepts. It was during her work with mathematician Charles Babbage that she pushed the

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Pioneer Ada
*boundaries of
Lovelace (STEM
technology.*

Trailblazer Bios)
*Lovelace's detailed
notes on Babbage's
Analytical Machine
include a calculation
method that has
earned her
recognition as the
first computer
programmer.*

*Animal Scientist and
Activist Jane Goodall*

Bookmark File
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Pioneer Ada
*Environmental
Activist Wangari
Maathai*

Ada Lovelace

*Ada Byron Lovelace
and the Thinking
Machine*

*Enchantress of
Numbers*

“Cherished
Reader, Should
you come upon
Enchantress of

Bookmark File
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Pioneer Ada
Lovelace (STEM
Trailblazer Dica)

Numbers by
Jennifer Chiaverini.
..consider yourself
quite fortunate
indeed....Chiaverin
i makes a
convincing case
that Ada Byron
King is a woman
worth
celebrating.”—USA
Today New York
Times bestselling
author Jennifer

Bookmark File
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Pioneer Ada

Chiaverini
Lovelace (STEM
Talks by Bin)

illuminates the life
of Ada Byron King,
Countess of
Lovelace—Lord
Byron's daughter
and the world's
first computer
programmer. The
only legitimate
child of Lord
Byron, the most
brilliant, revered,
and scandalous of

Bookmark File PDF Programming

Pioneer Ada
Lovelace (STEM
Trailblazer Epic)

the Romantic
poets, Ada was
destined for fame
long before her
birth. But her
mathematician
mother, estranged
from Ada's
infamous and
destructively
passionate father,
is determined to
save her only child
from her perilous

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Pioneer Ada
Lovelace (STEM
Trailblazer Files)

Byron heritage.
Banishing fairy
tales and make-
believe from the
nursery, Ada's
mother provides
her daughter with
a rigorous
education
grounded in
mathematics and
science. Any
troubling spark of
imagination—or

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

worse yet, passion
or poetry—is
promptly
extinguished. Or so
her mother
believes. When
Ada is introduced
into London
society as a highly
eligible young
heiress, she at last
discovers the
intellectual and
social circles she

Bookmark File
PDF Programming
Pioneer Ada
Lovelace (STEM
Trailblazer Dies)
has craved all her
life. Little does she
realize how her
exciting new
friendship with
Charles
Babbage—the
brilliant, charming,
and occasionally
curmudgeonly
inventor of an
extraordinary
machine, the
Difference

Bookmark File PDF Programming

Pioneer Ada
Lovelace (STEM
Trailblazer Bios)
Engine—will define
her destiny.

Enchantress of
Numbers unveils
the passions,
dreams, and
insatiable thirst for
knowledge of a
largely unheralded
pioneer in
computing—a
young woman who
stepped out of her
father's shadow to

Bookmark File PDF Programming

Pioneer Ada
Lovelace (STEM
Trailblazer)

achieve her own
laurels and
champion the new
technology that
would shape the
future.

Introduces the
woman
mathematician
whose childhood
love of numbers
led to her
prestigious
education and

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

contributions at
NASA while
explaining how her
handwritten codes
proved essential
throughout
numerous space
missions.

Do you enjoy
performing
experiments or
studying how the
universe works?

Growing up in

Bookmark File PDF Programming

Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

China, Chien-Shiung Wu enjoyed Learning about science. As an adult, she earned her PhD in physics and made a discovery that changed the field forever. Wu came to the United States to study physics. Soon she was a sought-after

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

physics professor.
As an expert in the
field, she left
teaching to work
on secret
government
programs. She
even helped
disprove a major
law of physics. But
how did she get
there? Find out
how Wu's
persistence drove

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

her contributions
in the field of
physics.

Do you enjoy
visiting animals at
the zoo or playing
with pets? As a
child, Jane Goodall
loved watching and
interacting with
animals. As an
adult, she became
a scientist working
with chimpanzees

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

in Africa. Goodall used unconventional research methods to observe chimpanzees in East Africa. She studied the chimpanzees' behavior and revealed their tool-making abilities. As Goodall grew older, she turned

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Pioneer Ada
Lovelace (STEM
Trailblazer: Pioneer)

her attention to raising awareness about endangered species and inspiring individuals around the globe to take action. She is one of the world's best-known scientists and activists. But how did she get there? Find out how Goodall's

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)
passion for animals
helped her become
the face of
conservationism.
Paper Circuits
Science Educator
and Advocate Bill
Nye
Ada Lovelace
Cracks the Code
Van Gogh and the
Post-Impressionists
for Kids
Technology

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

As the British Industrial Revolution dawns, young Ada Byron Lovelace (daughter of the flamboyant and notorious Lord Byron) sees the boundless creative potential in the “analytic engines” of her friend and soul mate Charles Babbage, inventor of the first mechanical computer.

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

Ada envisions a whole new world where art and information converge—a world she might not live to see. A music-laced story of love, friendship, and the edgiest dreams of the future. Jane Austen meets Steve Jobs in this poignant pre-tech romance heralding the computer age. Do you love solving problems with

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

*mathematics? So did
groundbreaking
computer programmer
Jean Bartik. She turned
her passion for math into
a successful career in
what was then a brand-
new field. During World
War II, women took on
more technology jobs as
men joined the armed
forces. Bartik started her
career doing
mathematical*

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Pioneer Ada

calculations for top-secret weapons systems projects. After the war, a new machine took over these calculations. It was the first all-electronic computer, and Bartik helped build and program it. But how did Bartik's interest in mathematics take her to the forefront of cutting-edge technology? Find out how she went from

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Pioneer Ada
Lovelace (STEM
Trailblazer Plus)

gifted student to software pioneer.

When Parisa Tabriz was a child she used her imaginative and competitive mind to outthink her brothers. As Google's "Security Princess," Tabriz protects computer users from Internet bad guys.

Do you enjoy playing computer games or learning programming

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Pioneer Ada Lovelace (STEM Trailblazer Bios)

code? As a child, Ada Lovelace loved learning about math and science. As an adult, she used that knowledge to create the first computer program—before electronic computers even existed! When Lovelace was a child, girls didn't typically study math. But she loved the subject and often dreamed about new machines. Lovelace

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

*learned from famous
mathematicians and
became friends with
inventor and engineer
Charles Babbage.*

*Realizing the full
potential of his
calculating machines, she
became a pioneer of
computer programming.*

*But how did she get
there? Find out how
Lovelace's determination
helped her become the*

Bookmark File
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Pioneer Ada
*first computer
Lovelace (STEM
Trailblazer Pils)*
*Robotics in the Real
World*
*Nate the Great Goes
Undercover*
*NASA Mathematician
Katherine Johnson*
*Mathematician and First
Programmer*
*Computer Scientist Jean
Bartik*
Have you ever

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

**been
vaccinated
against a
particular
disease? As
children,
Pearl Kendrick
and Grace
Eldering both
suffered from
whooping
cough, a life-**

Bookmark File
PDF Programming
Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

**threatening
illness. As
adults, they
worked
together to
create a
revolutionary
vaccine that
saved
thousands of
lives each
year. Eldering**

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

**and Kendrick
worked in a
Michigan lab
at a time when
whooping cough
was spreading
around the
country.
Determined to
stop the
illness, the
pair tested**

Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

**bacteria late
into the
night. Soon
their new
vaccine was
helping
children
across the
country. But
how did they
get there?
Find out how**

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

**Eldering and
Kendrick's
passion for
fixing a
problem led
them to create
an important
vaccine.**

**Relates the
life,
development,
and art of the**

Bookmark File
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Pioneer Ada
famous artist.
Lovelace (STEM
Trailblazer Bios)
From the world
of Good Night
Stories for
Rebel Girls
comes a story
based on the
exciting
adventures of
Ada Lovelace:
one of the
world's first

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Pioneer Ada
computer
Lovelace (STEM
programmers.
Trailblazer Bios)
Growing up in
nineteenth
century
London,
England, Ada
is curious
about
absolutely
everything.
She is

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

**obsessed with
machines and
with creatures
that fly. She
even designs
her own flying
laboratory!
According to
her mother,
Ada is a bit
too wild, so
she encourages**

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

**Ada to study
math. At first
Ada thinks:
Bleh! Who can
get excited
about a
subject
without
pictures? But
she soon falls
in love with
it. One day**

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

**she encounters
a mysterious
machine, and
from that
moment forward
Ada imagines a
future full of
possibility—on
e that will
eventually
inspire the
digital age**

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

**nearly two
hundred years
later. Ada
Lovelace
Cracks the
Code is the
story of a
pioneer in the
computer
sciences, and
a testament to
women's**

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Lovelace (STEM
Trailblazer Bios)

**invaluable
contributions
to STEM
throughout
history.
Includes
additional
text on Ada
Lovelace's
lasting
legacy, as
well as**

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Lovelace (STEM
Trailblazer Bios)

**educational
activities
designed to
teach simple
coding and
mathematical
concepts.
Offers an
illustrated
telling of the
story of Ada
Byron**

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**Lovelace, from
her early
creative
fascination
with
mathematics
and science
and her
devastating
bout with
measles, to
the ground-**

Bookmark File
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Pioneer Ada
**breaking
algorithm she
wrote for
Charles
Babbage's
analytical
engine.
NASA
Astronomer
Nancy Grace
Roman
A Novel of Ada**

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Lovelace
Code-Breaker
and
Mathematician
Alan Turing
Mathematician
and Computer
Scientist
Grace Hopper
Inventor,
Engineer, and
Physicist

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

Nikola Tesla
Have you ever
taken

something
apart to see
how it works?
As a child,
Grace Hopper
took apart five
alarm clocks in
a row, trying to
figure out how
all the pieces fit

Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

together. As an adult, she joined the Naval Reserve during World War II and worked on the world's first large-scale computer. After the war, Hopper served on a committee

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Lovelace (STEM
Trailblazer Bios)

**organized by
the Department
of Defense to
create a
standard
computer
language. That
language,
Common Busin
ess-Oriented
Language, or
COBOL, quickly
became**

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

**popular. How
did a curious
little girl grow
up to become
the
"Grandmother
of COBOL"?
Learn how her
outstanding
innovations
changed the
field of
computer**

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Lovelace (STEM
Trailblazer Bios)

**programming.
In the twenty-
first century,
students, recent
graduates, and
job seekers can
find nearly
limitless
opportunities
when it comes
to jobs in tech,
especially
coding. Careers**

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Trailblazer Bios)

**in coding are a
perfect fit for
those who want
to flex their
creative
muscles, solve
problems, and
work with the
latest
technologies.
Despite its long
history, the
manufacturing**

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industry has advanced in recent years and is now in need of a workforce that is familiar with computers, robots, and coding languages. This book dives into the history of

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**coding, the
challenges and
opportunities
present in the
manufacturing
sector, and the
outlook for
coding careers
in
manufacturing
in the future.**

**As a child,
Nikola Tesla**

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**saw a picture of
a waterfall and
imagined an
invention that
would harness
the water's
energy.**

**Decades later,
he invented the
water wheel.**

**Learn about
this innovative
inventor, who**

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Lovelace (STEM
Trailblazer Bios)

**changed the
world of
electricity.**

**What do you
want to be when
you grow up?**

**When
Katherine
Johnson was
young, women
weren't
expected to go
into the math**

Bookmark File
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Pioneer, Ada
Lovelace (STEM
Trailblazer, Bics)

**and science
fields. Johnson
loved math, but
she never
thought she
could be a
mathematician.
After studying
math in school
and teaching
for a few years,
she learned
that the**

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

**organization
that would later
become NASA
was hiring
women to
complete
mathematical
equations. As
an African
American
woman,
Johnson had to
work hard to**

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Lovelace (STEM
Trailblazer Bios)

earn the respect of her coworkers, but they soon came to rely on her brilliant calculations.

Her contributions to the US space program helped send astronauts to the moon.

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

**Learn how
Johnson broke
barriers as a
female African
American
mathematician.
Scientists,
Mathematicians
and Inventors
A 4D Book
Women
Scientists in
Math and**

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Lovelace (STEM
Trailblazer Bios)

**Coding
Poetical
Science
Dreaming in
Code: Ada
Byron Lovelace,
Computer
Pioneer**

*Programming
Pioneer Ada
LovelaceLerner
Publications* TM

Nearly one
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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

*hundred years
before the advent
of the computer
age, Ada King,
Countess of
Lovelace,
published the
first set of
instructions
intended to
extract data from
a machine. This
accessible,*

Bookmark File
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Pioneer Ada
engaging
Lovelace (STEM
Trailblazer Bios)
biography will
introduce readers
to the
mathematician
who is considered
by many to be the
world's first
computer
programmer.
Readers follow
Lovelace, the
daughter of

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Pioneer Ada
*renowned
romantic poet
Lord Byron and
his highly
educated,
analytical wife,
Annabella, from
her sickly
childhood to her
untimely death at
age thirty-six.
What emerges is
a compelling*

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*Portrait of a
Woman Who
Overcame*

*Victorian
Conventions to
Become a Pioneer
in Computer
Science.*

*Before modern
day desktops and
laptops, there
were human
"computers" or*

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)
*mathematicians
who handled
complex
calculations.*

*Katherine
Johnson, Mary
Jackson, and
Dorothy Vaughan
were among the
greatest
computers, but
their vital work at
NASA has been*

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

*largely left out of
history. This
immersive book
explores the lives
and
accomplishments
of ingenious
women
mathematicians
and coders
throughout
history, such as
Johnson, Jackson,*

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

*and Vaughan.
Mini bio and
feature boxes*

*provide fast facts;
while quotes
from featured
mathematicians,
coders, and their
contemporaries
inspire readers to
develop their own
love for STEM.*

Original

Bookmark File
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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)
*illustrations and
stunning
photographs
bring the lives of
these incredible
women into
exciting focus. A
thorough timeline
highlights the
progress of
women in STEM
and lists Nobel
Prize winners. A*

Bookmark File
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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)
*gallery spread
introduces
readers to even
more women
mathematicians
and coders, while
a "Science Now"
spread shows
readers the
modern world of
math and coding.
Take a look into
the fascinating*

Bookmark File
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Pioneer Ada
Lovelace (STEM
Trailblazer Piece)
*world of robotics,
why it is an
intriguing STEM
career, and the
amazing work
scientists in this
field have
accomplished
throughout the
years.*

*Astronaut Ellen
Ochoa*

How Do

Bookmark File
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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)
*Computers
Follow
Instructions?
Programming
Pioneer Ada
Lovelace
Ada and the
Engine
Coding Careers
in Manufacturing
Wangari Maathai
grew up in Kenya,
where she learned*

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

the value of the natural world around her. As an adult, she fought for the environment and women's rights and earned the Nobel Peace Prize.

This inspiring, STEM-focused biography describes the life and influential work of Ellen Ochoa, the

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Pioneer Ada
*first female Hispanic
Lovelace (STEM
astronaut to go to
Trailblazer Bios)
space.*

*Biography of
science educator,
television host,
mechanical
engineer, and
comedian Bill Nye.*

*Scientists,
Mathematicians, and
Inventors provides
biographies of 200*

Bookmark File PDF Programming

Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

*men and women
who changed the
world by leaving
lasting legacies in
the fields of science,
mathematics, and
scientific invention. It
fills a gap in the
biographical
reference shelf by
offering far more
than basic facts
about a scientist's*

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Pioneer Ada
Lovelace (STEM
Trailblazer Bios)

life and work: each entry describes not only the immediate effects of the individual's discoveries, but also his or her impact on later scientific findings.

The First Computer Programmer

Vaccine Innovators

Pearl Kendrick and

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Pioneer Ada
Loveless (STEM
Trailblazer Bios)
*Grace Eldering
How Margaret
Hamilton Saved the
First Lunar Landing*

Have you ever wondered how computers follow instructions so well? Or how they do math so quickly? In the How Do series, readers are invited to guess and then explore the science behind the right

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Trailblazer Bios)

answers. Basic principles of coding, including variables,

binary code, loops, programming languages, and more, are explored through diagrams, photos, and informative and engaging text.

With paper circuits, you can add lights, sounds, and more to paper crafts such as greeting cards.

With this book, students

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Trailblazer Bios)

learn the art of
innovation through
detailed explanations
and hands-on activities
built to foster creativity
and problem solving.

Fun, engaging text
introduces readers to
new ideas and builds on
maker-related concepts
they may already know.

Additional tools,
including a glossary and
an index, help students

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learn new vocabulary
and locate information.