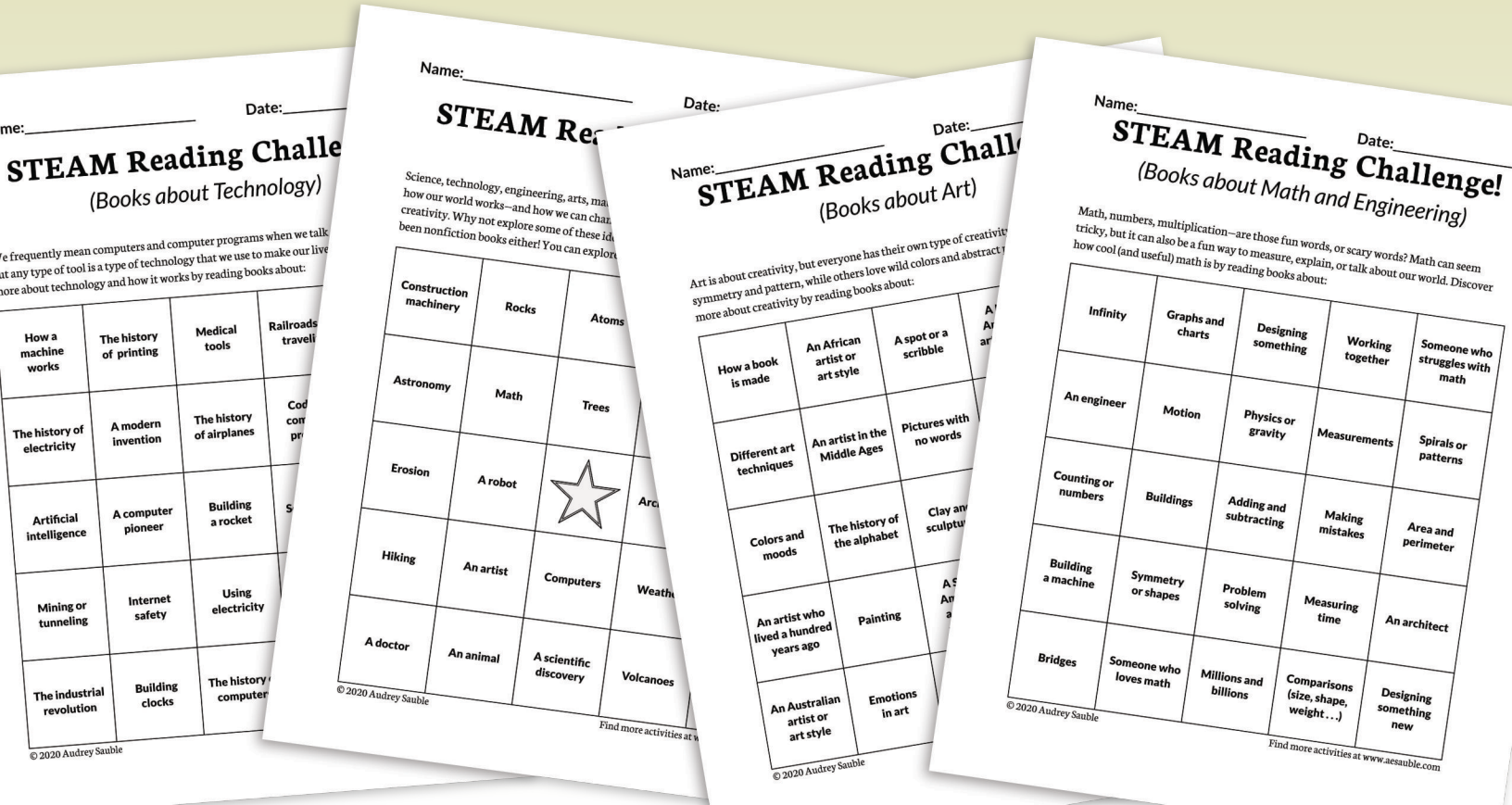
STEAM Reading Challenge!

This packet contains 8 bingo cards, each one focusing on a different aspect of STEAM. Teachers and parents can either assign the cards one at a time or allow students to pick a topic they are interested in. The topics include:

- General STEAM topics
- Earth Science
- Life Sciences
- Animals and Nature
- Technology
- Math and Engineering
- Art and Creativity
- Space Exploration



Name:_____ Date:_____

STEAM Reading Challenge!

Science, technology, engineering, arts, math. These are all building blocks for figuring out how our world works—and how we can change it using tools, practice, and just plain creativity. Why not explore some of these ideas through books? They don't just have to been nonfiction books either! You can explore STEAM concepts by reading books about:

Construction machinery	**Rocks**	**Atoms**	**A scientist**	**The layers of the earth**
Astronomy	**Math**	**Trees**	**Electricity**	**Flying**
Erosion	**A robot**		**Archaeology**	**Our bodies**
Hiking	**An artist**	**Computers**	**Weather**	**Recycling**
A doctor	**An animal**	**A scientific discovery**	**Volcanoes**	**The ocean**

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Name:_____ Date:_____

STEAM Reading Challenge!

(Books about Earth Science)

Geoscience is the study of the Earth, its features, its natural phenomena, and its changes over time. Geoscience includes everything from earthquakes and forest fires to cloud formation and ocean tides. Explore our planet by reading books about:

Volcanoes	**Continents**	**Fossils**	**Snow**	**Mountain ranges**
Canyons	**Tide**	**Eclipses**	**Ocean trenches**	**Forest fires**
Minerals	**Islands**	**Glaciers**	**The layers of the earth**	**Magnets**
Meteorology	**The rock cycle**	**Caves**	**Rivers**	**Pollution**
Climate zones	**Earthquakes**	**Clouds**	**Ecology**	**The water cycle**

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Name:_____ Date:_____

STEAM Reading Challenge!

(Books about Life Sciences)

Science sometimes means studying machines and numbers, but it can also mean studying living things. Life sciences focus plants, animals, bacteria, and more. Start exploring life sciences by reading books about:

Bacteria, viruses, and microbes	**Carnivores and herbivores**	**Veterinarians**	**Animal families**	**Skeletons and bones**
Habitats and ecosystems	**Symbiotic relationships**	**Animal poop**	**Leaves**	**Fungi and mushrooms**
Animal anatomy	**Biologists**	**Plant cells**	**DNA and genetics**	**Conservation**
Invasive species	**Types of trees**	**Adaptation**	**Medical discoveries**	**Traveling seeds**
Scientific classifications	**Gardening or farming**	**Life cycles**	**Dinosaurs and fossils**	**Ocean exploration**

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Name:_____ Date:_____

STEAM Reading Challenge!

(Books about Animals and Nature)

Biology is the study of living things. Zoology is the study of animals, including their behavior, their survival, their food sources, their migration, and much more. Learn more about animals by reading books about:

Large and small animals	**Camouflage**	**Animals using tools**	**Spiders**	**Arctic habitats**
Scientists helping an animal	**Sharks**	**Grassland habitats**	**Monkeys**	**Coral reefs**
Insects	**Animal communication**	**Dirt and earthworms**	**Rain forest habitats**	**Wolves**
Ocean shore habitats	**Birds**	**Animal homes**	**Bats**	**Environmental changes**
Pollination	**Migration patterns**	**Endangered species**	**Octopus**	**Pets or farm animals**

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Name:_____ Date:_____

STEAM Reading Challenge!

(Books about Technology)

We frequently mean computers and computer programs when we talk about technology, but any type of tool is a type of technology that we use to make our lives easier. Find out more about technology and how it works by reading books about:

How a machine works	**The history of printing**	**Medical tools**	**Railroads and traveling**	**Building a robot**
The history of electricity	**A modern invention**	**The history of airplanes**	**Coding a computer program**	**Everyday tools**
Artificial intelligence	**A computer pioneer**	**Building a rocket**	**Solar energy**	**Using a computer**
Mining or tunneling	**Internet safety**	**Using electricity**	**The invention of telephones or radios**	**An inventor from long ago**
The industrial revolution	**Building clocks**	**The history of computers**	**Maps**	**Energy sources**

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Name:_____ Date:_____

STEAM Reading Challenge!

(Books about Math and Engineering)

Math, numbers, multiplication—are those fun words, or scary words? Math can seem tricky, but it can also be a fun way to measure, explain, or talk about our world. Discover how cool (and useful) math is by reading books about:

Infinity	**Graphs and charts**	**Designing something**	**Working together**	**Someone who struggles with math**
An engineer	**Motion**	**Physics or gravity**	**Measurements**	**Spirals or patterns**
Counting or numbers	**Buildings**	**Adding and subtracting**	**Making mistakes**	**Area and perimeter**
Building a machine	**Symmetry or shapes**	**Problem solving**	**Measuring time**	**An architect**
Bridges	**Someone who loves math**	**Millions and billions**	**Comparisons (size, shape, weight . . .)**	**Designing something new**

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Name:_____ Date:_____

STEAM Reading Challenge!

(Books about Art)

Art is about creativity, but everyone has their own type of creativity. Some artists love symmetry and pattern, while others love wild colors and abstract patterns. You can learn more about creativity by reading books about:

How a book is made	**An African artist or art style**	**A spot or a scribble**	**A North American artist or art style**	**An artist in the Renaissance**
Different art techniques	**An artist in the Middle Ages**	**Pictures with no words**	**A European artist or art style**	**Nature journaling**
Colors and moods	**The history of the alphabet**	**Clay and sculptures**	**Different art styles**	**Paper cutting or collage**
An artist who lived a hundred years ago	**Painting**	**A South American artist or art style**	**Shapes, patterns, and textures**	**Kids playing with art**
An Australian artist or art style	**Emotions in art**	**A modern artist**	**Crayons**	**An Asian artist or art style**

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Name:_____ Date:_____

STEAM Reading Challenge!

(Books about Space)

Sometimes science means figuring out how to provide clean drinking water. Sometimes, science means studying the stars. Even in space, though, scientists can study how plants and animals grow, as well as the way stars begin.Explore space by reading books about:

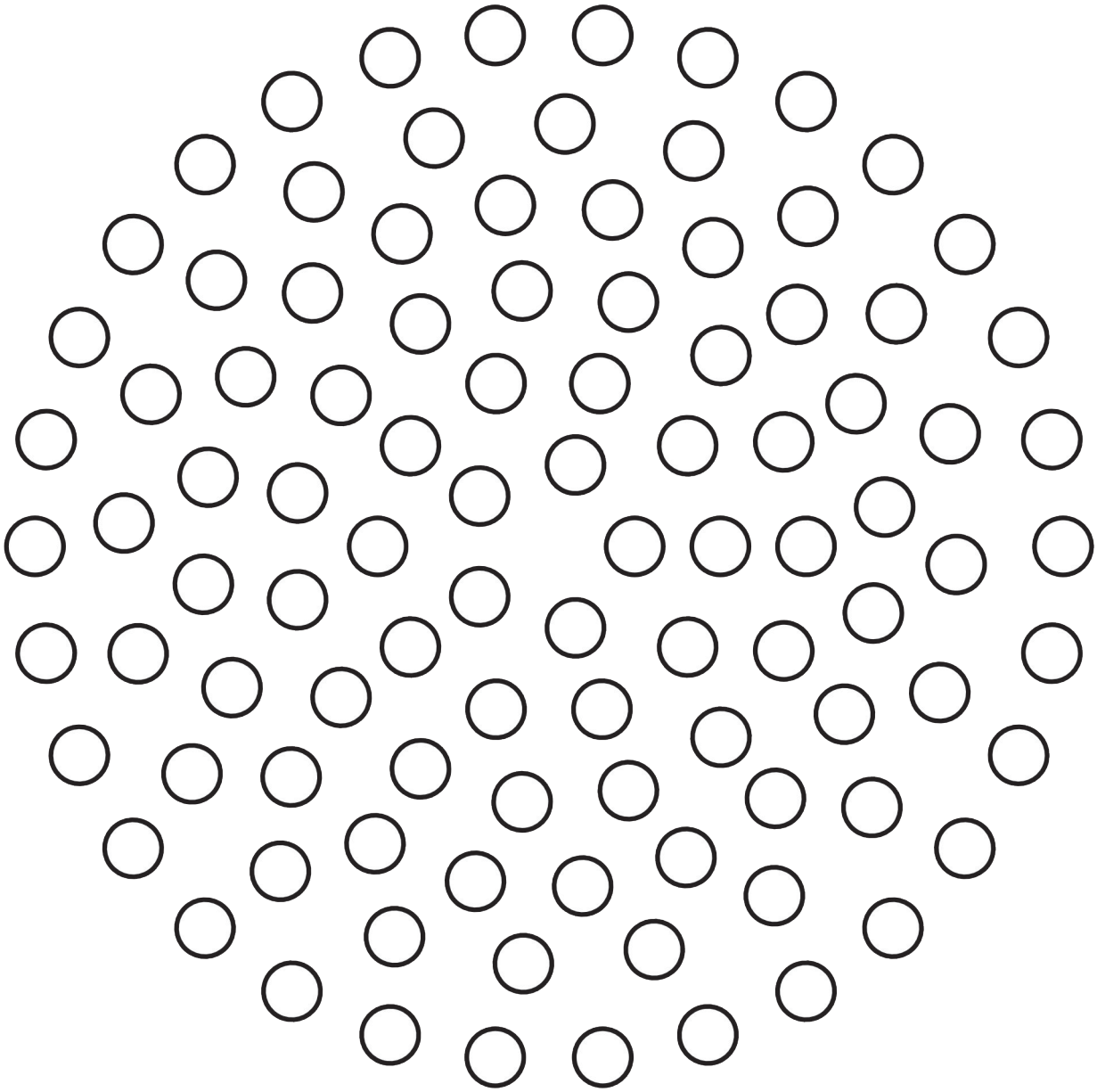
The history of astronomy	**Constellations and galaxies**	**A Mars mission**	**Comets**	**The International Space Station**
The solar system	**Space probes and satellites**	**Exoplanets**	**The sun**	**A moon landing**
Space travel	**Extraterrestrial life and aliens**	**An astronomer from long ago**	**An animal in space**	**Astronauts**
Telescopes	**The moon**	**NASA scientists**	**Meteors**	**A modern astronomer**
Stars	**Modern astronomy**	**Photos taken in space**	**Space exploration**	**Pluto**

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Name:_____ Date:_____

STEM Reading Log

Instructions: there are 100 circles on this page. Each circle represents ____ minutes of reading, for a total of _____ minutes. Fill in the circles as you read to track how much time you spend reading this summer!



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CONGRATULATIONS!

_____

You have successfully completed the STEM reading challenge of _____ by reading for more than _____ hours.

Good Work!