

SIMPLE MACHINES

scienceWriting

CONCEPTS COVERED:

- WORK
- FIXED PULLEY & MOVABLE PULLEY
- RELATION TO FORCES
- RELATIONSHIP WITH EACH OTHER
- EACH SIMPLE MACHINE FUNCTION AND PURPOSE



GET STUDENTS EXCITED ABOUT LEARNING

HOW CAN IT BE USED?



Multiple Uses in the Classroom

- TICKET OUT THE DOOR
- MORNING WORK
- SMALL GROUPS
- HOMEWORK
- SCIENCE CENTERS
- WHOLE CLASS ACTIVITIES
- PARTNER ACTIVITIES
- EARLY FINISHER ACTIVITIES
- AND SO MUCH MORE!

GET HIGH-QUALITY, ENGAGING RESOURCES

WHAT'S THE OBJECTIVE?

- TO DETERMINE WHAT STUDENTS KNOW ABOUT THE CONCEPTS RELATED TO SIMPLE MACHINES.
- TO PRACTICE WRITING SKILLS IN THE SCIENCE CLASSROOM.
- TO PRACTICE PROVIDING DETAILS AND EVIDENCE TO SUPPORT THEIR SCIENTIFIC REASONING.
- TO USE SCIENTIFIC LANGUAGE AND VOCABULARY.

Name _____ Simple Machines

How much do you know?

WHY DO PEOPLE OFTEN USE SCREWS RATHER THAN NAILS TO HOLD TWO PIECES OF WOOD TOGETHER?

DID YOU INCLUDE:

Name _____ Simple Machines

How much do you know?

NAME THREE WAYS SCREWS ARE USED.

DID YOU INCLUDE:

Name _____ Simple Machines

How much do you know?

A HAND-CRANKED CAN OPENER CONTAINS A WHEEL AND AXLE, A WEDGE, AND TWO LEVERS. TELL WHAT PART OF A CAN OPENER EACH OF THESE IS.

DID YOU INCLUDE:

- details and/or evidence to support your answer?
- proper grammar usage and mechanics?
- correct spelling?
- important vocabulary?

SAVE TIME PLANNING WITH DETAILED ACTIVITIES

WHAT'S INCLUDED?

- PRINTABLE OPTIONS – HALF PAGE AND FULL PAGE
- DIGITAL VERSION
- EDITABLE PAPER VERSION SO YOU CAN TYPE YOUR OWN QUESTIONS!
- 22 QUESTIONS TOTAL!
- ANSWER KEY & A RUBRIC
- A CHECKLIST FOR STUDENTS

How much do you know? Simple Machines

MR. GAINES PUTS SHINGLES ON THE ROOFS OF HOUSES. EACH PACKAGE OF SHINGLES WEIGHS 50 KG. WHAT SIMPLE MACHINES CAN HE USE TO LIFE THE SHINGLES ONTO THE ROOF? HOW WOULD HE MEASURE THE FORCE NEEDED TO LIFT THE SHINGLES?

DID YOU

How much do you know? Simple Machines

EXPLAIN HOW PLAYING ON A SEESAW IS AN EXAMPLE OF THE SCIENTIFIC DEFINITION OF WORK.

DID YOU

How much do you know? Simple Machines

EXPLAIN HOW A SCREW IS ACTUALLY AN INCLINED PLANE.

DID YOU

How much do you know? Simple Machines

THINK ABOUT SCISSORS CUTTING CARDBOARD. WHERE DO YOU THINK THE CUTTING FORCE OF THE SCISSORS IS THE GREATEST?

DID YOU

How much do you know? Simple Machines

WHY DO YOU THINK IT IS IMPORTANT THAT THE BAR OF A LEVER NOT BEND?

DID YOU INCLUDE:

- details and evidence to support your answer?
- proper grammar usage and mechanics?
- correct spelling?
- important vocabulary?

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TAKE YOUR WEEKENDS BACK TO DO WHAT YOU LOVE!

SAVE MONEY AND GRAB THE BUNDLE!

Earth Science Bundle

- CYCLES AND SYSTEMS
- EARTH CHANGES
- EARTH'S SURFACE
- EARTH MOON SUN
- FOSSILS
- NATURAL RESOURCES
- ROCKS AND MINERALS
- SOIL
- SOLAR SYSTEM
- WEATHER

Life Science Bundle

- ADAPTATIONS
- ANIMALS
- CELLS AND MICROBES
- ECOSYSTEMS
- GENETICS
- HUMAN BODY SYSTEMS
- LIFE CYCLES
- PLANTS

Physical Science Bundle

- CHEMICAL AND PHYSICAL CHANGES
- ELECTRICITY AND MAGNETISM
- ENERGY
- FORCE AND MOTION
- MATTER
- SIMPLE MACHINES
- STATES OF MATTER
- WAVES

IT ALL STARTS HERE!

Take **BACK YOUR**
WEEKENDS without
SACRIFICING
high-quality **RESOURCES!**



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