

WRITING PROMPT

2

SIMPLE MACHINES

Prompt

Describe the steps involved in building your car. Organize your writing using first, next, then and finally. Draw a picture of your car and share your description with your partner.

Word Walls

*axle
revolve
rotate
wheels
tires
friction
speed*

Writing Standards

- E2a – Report Writing
- E2b – Response to Literature
- E2c – Narrative Account
- E2d – Narrative Procedure

Science Standards

- S1 Physical Sciences Concepts
- S2 Life Sciences Concepts
- S3 Earth and Space Sciences Concepts
- S7 Scientific Communication

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SIMPLE MACHINES

Prompt

Your task is to move a pile of dirt from one place to another. You need to use at least 2 tools to do this. Name the tools you will use. Tell me which simple machines make up your tools. Explain how they made your job easier. Draw and label your tools.

Word Walls

*lever
wheels
inclined
plane
pulley
gear
gear train
axle
force*

Writing Standards

- E2a – Report Writing
- E2b – Response to Literature
- E2c – Narrative Account
- E2d – Narrative Procedure

Science Standards

- S1 Physical Sciences Concepts
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QUICK WRITES

GRADE 2

Simple Machines

Lesson No.

- 1 *Tell me what a machine is*
- 2 *Think about things that help us carry heavy loads. Make a list of things with wheels.*
- 3 *Explain how a pulley helps us raise and lower the flag.*
- 4 *Tell me what a gear is.*
- 5 *Predict what you think will happen if we join different size gears.*
- 6 *How do you think the crown gear got its name? (Show crown gear prior to prompt.)*
- 7 *Tell me what you think this machine is and what you think it is used for.*

WORD WALL

Simple Machines

axle	horizontal	gearing up
pivot point(fulcrum)	vertical	gearing down
revolve	direction of motion	speed
rotate	gear	force
balance	gear train	torque
lever	tooth	ratios
wheels	teeth	crown gear
tires	mesh	right angle (90 degrees)
friction	idler gear	transfer
inclined plane	clockwise	worm gear
pulley	anticlockwise (counterclockwise)	spur gear
drive	worm gear housing	brake
driver	follower	gauge
belt	input	spiral
belt drive	output	thread