



GOOGLE SLIDE LESSONS

LISTEN & LEARN



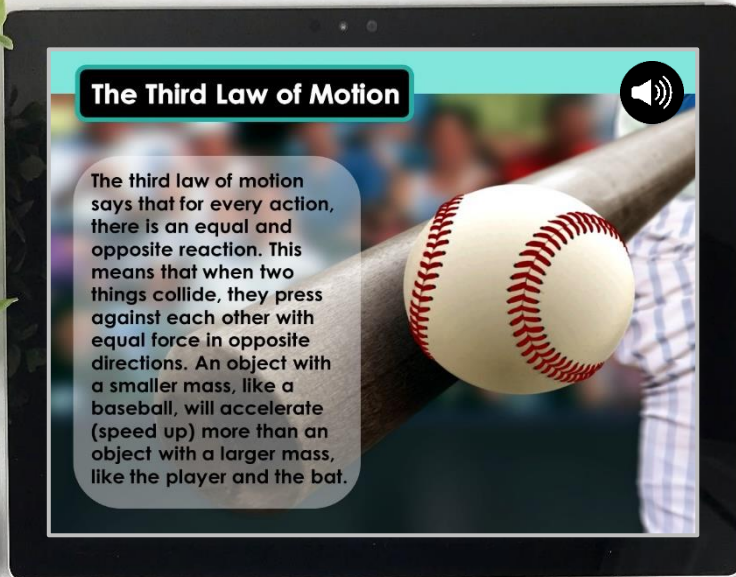
6 NARRATED LESSONS

Audio slides enable independent learning

- Position and Motion
- Patterns of Motion
- Forces and Motion
- Balanced & Unbalanced Forces
- Exploring Electricity
- Magnets & Magnetism

EACH LESSON INCLUDES:

- Narrated lesson slides
- Science journal activity slides
- Digital quiz
- Turn & talk partner questions
- Science center activity
- Related lesson videos



LESSON RESPONSE ACTIVITIES

Interactive
journal
activities on
Google Slides™
for each lesson

*with
moveable
pieces



Lesson 4 Balanced & Unbalanced Forces



What are balanced forces?

Type here



What happens when forces become unbalanced?

Type here

T Write T for true and F for false. **F**

- Forces can cause an object to start or stop moving.
- More than one force can act on an object at the same time.
- Unbalanced forces do not change the motion of an object.
- Maglev trains run on solar power and electricity.

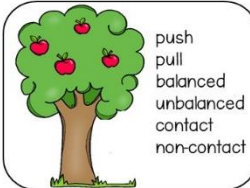


How can you tell if forces are balanced or unbalanced?

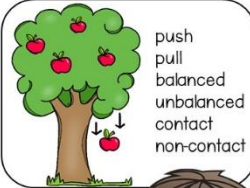
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JOURNAL PAGES

Circle all the words that describe the forces acting on the apples in each picture.



push
pull
balanced
unbalanced
contact
non-contact



push
pull
balanced
unbalanced
contact
non-contact

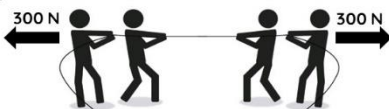
What unit is force measured in?

Who is the unit named after?



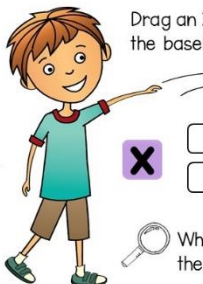
Explain It

Why is the net force on the rope 0 newtons?



Lesson 3 Forces and Motion

What is a contact force?



Drag an arrow to the base of the chair.

Move arrow to the right of the chair is exerted.

Drag an arrow to the right of the chair is exerted.

Why the...

How does weight affect...

What can change about a pinwheel?



What is the motion of the pinwheel? What is the pattern of movement to...

Answer the questions about each car compared to the other cars.



What is the relative position of the red car?

What is the relative position of the blue car?

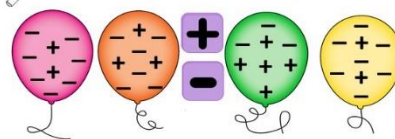
Lesson 5 Electric Forces

What happens when you rub a balloon on your hair?

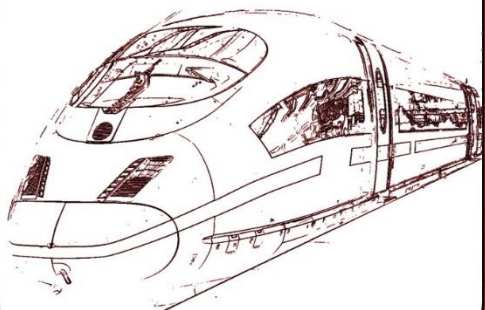
Does this create a contact or non-contact force?

How does weight affect... Objects with...

Write the charge of each balloon. Write if the pair will attract or repel each other.



FORCES & MOTION SCIENCE JOURNAL



Lesson 2 Patterns of Motion

What is a pattern?

Describe an object that moves in a pattern. Describe the pattern of its movement.

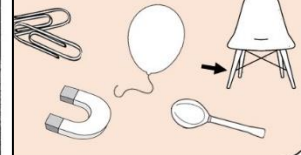
Draw arrows to show the pattern of motion for each ride.



Lesson 6 Magnetism

What kind of force do magnets have?

On what magnetic force will act on...



Do all magnets have a spring force? Do they have a north pole? Do they have a magnetic field?



Forces

What is an unbalanced force?



Lesson Position
What is motion?
What is force?
Circle
in front of
sideways
north

title
is different
compass to always point north?



DIGITAL CENTER ACTIVITIES

Reinforce SCIENCE CONTENT

Gravity is a _____ force that acts on an object without touching it.

- A. noncontact
- B. contact
- C. electric
- D. magnetic

Check your answer

Practice MATH & LITERACY SKILLS

The musher ran the race in 1 hour and 16 minutes with two dogs. What would her time be with four dogs?

3

Centers on Google
Forms & Slides



ASSESSMENT MADE EASY

Google Forms unit test & quizzes

Google Slides centers

CAUSE
why something happens

EFFECT
the thing that happened

CAUSE & EFFECT MATCH

Directions:
Slide the cards to match the causes to the effects under the title cards.

The mountain was covered in wet snow. The weight of the snow and the pull of gravity was stronger than the upward force of the roof...
 An avalanche happened.
 A strong wind blew the pinwheel in a spinning.
 The wind changed direction. The direction of the spinning changed.
 A cloth on the wall became positively charged.
 When placed near a more positively charged wall it attracted and stuck to the wall.

Forces acting on an object are _____ when they are of equal strength in opposite directions. *

unbalanced
 balanced
 heavy

More than one force can be acting on an object at once. *

True
 False

Force is measured in what unit? *

pounds
 meters
 newtons

ASSESSMENT MADE EASY

Self-grading quick check/exit tickets after each lesson

Lesson 1: Quick Check

Directions: Choose the correct answer to complete each sentence.

* Required



When things move, they change _____.*

- force
- position
- names

_____ is the position of one object compared to another object

Lesson 4: Quick Check

Directions: Choose the correct word to complete each sentence.

* Required



Lesson 3: Quick Check

Directions: Choose the correct word to complete each sentence.

* Required



Lesson 5: Quick Check

Directions: Choose the correct word to complete each sentence.

* Required



Lesson 2: Quick Check

Directions: Choose the correct word to complete each sentence.

* Required



[Schedule](#)

Build a science foundation!

See all 3rd grade science [CLICK HERE](#)

