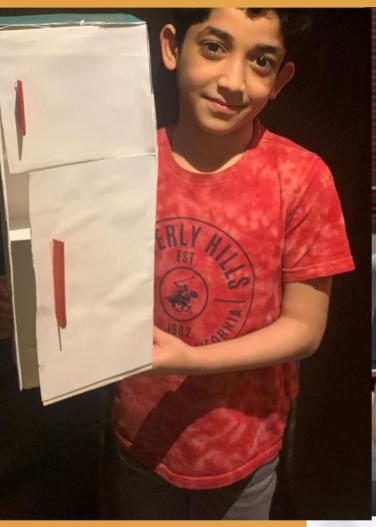
**O C T O B E R 2 0 2 1** 

## HOW THE WORLD WORKS Rand International School





## **GRADE 3**

NewsLetter

#### **Lines of inquiry**

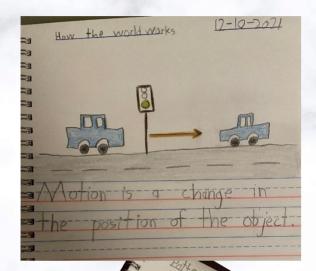
1- Effect of force on motion (Function)
2- Energy has different forms (Form)
3-Energy can be changed to different forms (Change)

**ATLs:** Research and Thinking skills

Learner profile: Inquirer – Thinker

## **TUNNING IN**

#### **Position and Motion**



At the beginning students discovered the relationship between position and motion. They showed various patterns of movement and gave examples.



Motion is the change in positon of an abject because of a force.

what is motion

Anotion 15 Something ov SomeOne

one place to abother.

maxing for

Moving any make action

What I LEARNED

66

## **FINDING OUT**

#### **Function: Effect of force on** motion.

Balanced force Junbalanced force

Balanced force cause the to make he chang

The greater pu

Type of

Forces

frictional

norflal

Non-Contact forces

Atational

TFThe

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are gual. IF is motion 165

LUnbalanced force couse

direction of

Contactforces

6000000

Students learned different types of forces that can affect motion... Students learned that any action from force can cause the object to accelerate, decelerate, to stop or to change direction.

and noncontact forces 31-10-

torces:

Contact

Push

Friction

Contact forces: Moncontact

object-with-touching-it.

containing

is a contact force that

Can push or pull an def

Magnetism is an

sttracts-metal-objects

Push or pull an

That opposes

the mation of an object

### **SORTING OUT**

Form: Energy has different forms.

Students learned different types of energy include thermal energy, sound energy, chemical energy, nuclear energy, electrical energy, motion energy, sound energy, mechanical energy and gravitational energy. They mentioned different sources of energy, moreover, they stated pros and cons of using alternate sources of energy.



## GOINGFURTHER

Change: Energy can be changed to different forms.

TE

onthey torm;

Electrical energy

Energy transformation

radio

 $\bigcirc \bigcirc \bigcirc$ 

chemical potential energy to

one form of energy change to

0000

Students observed every day energy transformation by completing or observing simple activities. They recorded their observations and then used those observations to create the chain of energy transformations that are occurring.

Name

-anaf

rab

EH-

Swing.

Energy transformation

Electrica

another

energy

Energy-Use-Energy-Produce Picture

Potential-Kipet

40

Energy-transformation-is-the-process-

of changing one form of energy

Heat

Soun

6-11-2021

energy

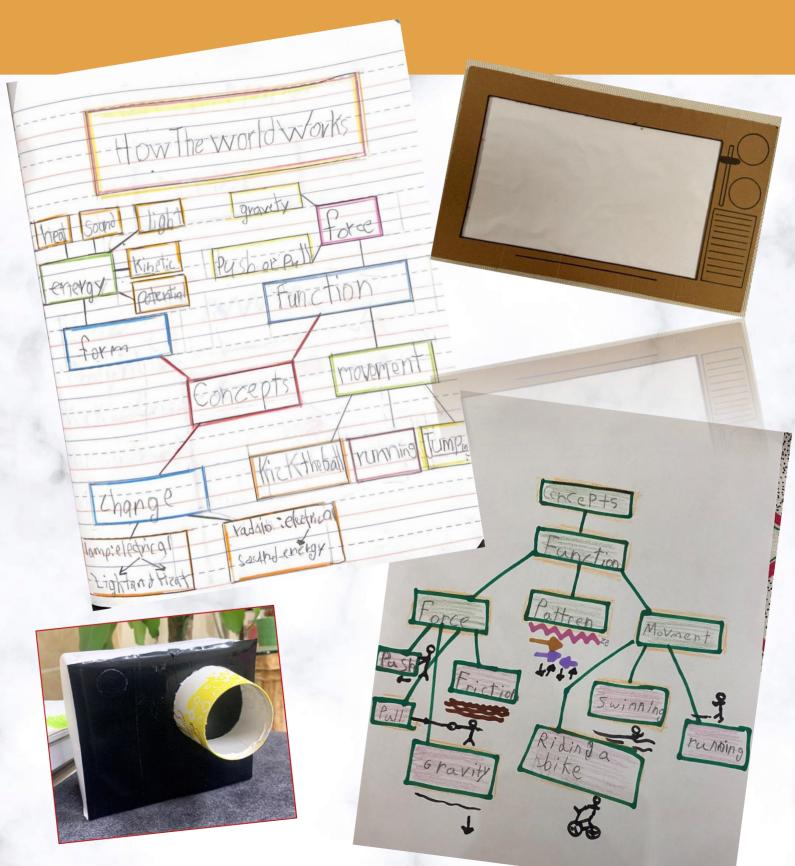
Electrical-

Electricat

Electricat

# **CONCEPT MAP**

## Students displayed key concepts and related concepts on a graphic web.



# **SUMMATIVE TASK**

Students used recycling materials to create a 3D model then, they explained what type of energy it uses and how energy transforms from one form to

another.

