

No Mountain High enough

What in the world?

At the end of this theme, children should...

- Know how to observe and record the location of rocks around the school grounds
- Know how to locate key mountain ranges of the world
- Know how to describe the key features of a mountain range
- Know how to describe a mountainous climate
- Know how to locate a chosen mountain region on a map
- Know how to locate the physical and human characteristics of the chosen mountainous region
- Know how to identify similarities and differences between our local area and the mountainous region
- Know how to identify the advantages and disadvantages of tourism on the mountainous region
- Know how to build a car chassis
- Know how to design a shape that reduces air resistance
- Know how to make a model based on a chosen design
- Know how to assemble and test my completed product



enjoy

Learning Environment Opportunities

3D printer - Use the printer software to investigate a 3D image of the mountain range. Create one print per class to investigate.



Immersive Room - Visit the mountainous region to make comparisons



Studio Graphics
Locate mountain ranges



achieve **Question**

Do you think people should visit mountainous regions? Why? Why not?

inspire **Suggestion**

Create a human model of a mountain range. Take photos and, using ipads, add labels.

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ROCKS AROUND SCHOOL

MOUNTAIN RANGE FEATURES

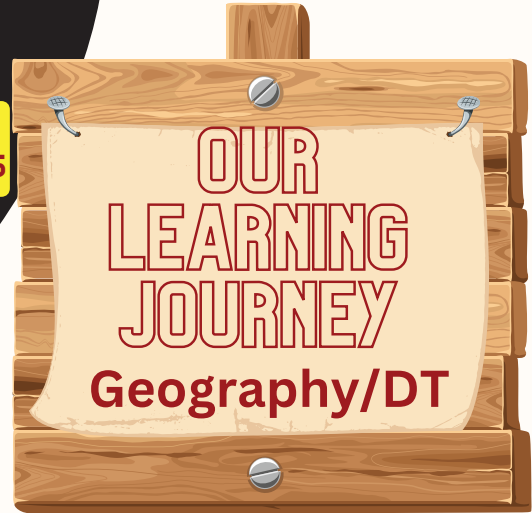
LOCATE MOUNTAIN RANGES

MOUNTAINOUS CLIMATE



LOCATE CHOSEN MOUNTAIN REGION

PHYSICAL AND HUMAN FEATURES



SIMILARITIES AND DIFFERENCES

PROS AND CONS OF TOURISM

REDUCING AIR RESISTANCE

CAR CHASSIS

ASSEMBLE AND TEST



MAKE A MODEL

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COMPARE STATES
OF MATTER

PARTICLES

MELTING
POINTS

FREEZING AND
BOILING

EVAPORATION AND
CONDENSATION

THE WATER
CYCLE

SCIENCE
LEARNING
JOURNEY



States of Matter

THEME VOCABULARY

Geography

mountain
range
contours
peak
fold mountain
valley
base / foot
summit
plateau
face
outcrop
ridge
slope

DT

chassis
energy
kinetic
mechanism
air resistance
design
structure
graphics
research
model
template

Science

thermometer
melting point
freezing point
boiling point
solid
liquid
gas
evaporation
particles
condensation
water vapour
substance

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