

MOVE TO LEARN GLOBAL SCHOOL

GRADE 1 CURRICULUM - STEAM

Unit 1 – Trash

Real World Connections: Ocean pollution harms people, animals and the environment.

Art Connection: Make artwork out of recyclable items.

Science and Math Connections: Decomposition; Sorting recyclable items

Career Spotlight: Environmental Engineers

STEAM Task: Design and make a machine that will gather litter and help clean the community.

Unit 2 – Power of Pictures

Real World Connections: Pictures can communicate important information and help people learn about culture and its language.

Art Connection: Make a poster with pictures that show classroom values.

Technology and Math Connections: Inferring picture meaning on signs; Reading geometric shapes to signs.

Career Spotlight: Comic book artists.

STEAM Task: Make a picture book that tells a story.

Unit 3 – Playground for All

Real World Connections: Not all playgrounds are built for people of all abilities.

Art Connection: Make a picture of a playground that is designed for people of all abilities.

Technology and Engineering Connections: Tools help people with different abilities to move around; Simple machines.

Career Spotlight: Landscape Engineers

STEAM Task: Make a model of inclusive playground equipment.

Unit 4 – Clean Water

Real World Connections: Clean water is necessary for survival, but some people do not have access to clean water.

Art Connection: Make a Native-American rain stick and an African drum.

Science and Math Connections: Bar graphs; Addition; Identify salt water and fresh water

Career Spotlight: Jobs that help people get clean water

STEAM Task: Make a water collector that filters water

Unit 5 – Butterflies

Real World Connections: We want butterflies in our garden because butterflies help

ecosystems.

Art Connection: Make a butterfly flyer

Science and Technology Connections: A butterfly's diet; Tools used to tag and track butterflies

Career Spotlight: Entomologists

STEAM Task: Make a butterfly feeder that attracts butterflies to a garden

Unit 6 – Recess

Real World Connections: Playtime is very important, but not all schools offer enough choices for different children's interests

Art Connection: Make a dance box that lists dance moves

Science and Math Connections: Counting; Subtracting; Dividing; Drawing playground exercise

Career Spotlight: Dancers

STEAM Task: Make a game that uses music and movement.

Unit 7 – Gardens

Real World Connections: It is important to protect our gardens from animals in ways that do not harm the animals

Art Connection: Make a mini scarecrow

Science and Technology Connections: What plants need to live; Tools for gardening

Career Spotlight: Farmers and horticulturists

STEAM Task: Make something to keep a garden safe from animals

Unit 8 – Moving to a New Place

Real World Connections: It can be difficult for children to fit in or feel welcome.

Art Connection: Make drawings that tell about your culture

Science and Technology Connections: Kinds of transportation; Pickled foods from different countries.

Career Spotlight: Artists

STEAM Task: Make a mural to welcome new students

Unit 9 – Walk to School

Real World Connections: Some children must walk long distances to receive an education

Art Connection: Make a guard statue

Science and Math Connections: Addition; Time; Designing a solution to a problem

Career Spotlight: Civil Engineers

STEAM Task: Make something other than a bridge to help people across a river safely