

# MOVE TO LEARN GLOBAL SCHOOL

## GRADE 3 CURRICULUM - STEAM

### Unit 1 – Litter

**Real World Connections:** Litter pollution endangers animals and is harmful to the environment

**Art Connection:** Make artwork out of recyclable items

**Math and Engineering Connections:** Interpreting data; Designing landfills

**Career Spotlight:** Jobs that keep the environment clean

**STEAM Task** Design a safety vest with a logo and a slogan to be used during the litter cleanup.

### Unit 2 – Difficult Work

**Real World Connections:** Many people must do difficult chores by hand or without the help of machines and appliances

**Art Connection:** Make a colourful chart that lists chores to do

**Math and Technology Connections:** Machines that help us do work; Fractions; Multiplications; Word problems

**Career Spotlight:** Different ways to do jobs that are universal

**STEAM Task** Design and make a structure that keeps its contents dry

### Unit 3 – Wildlife Camera

**Real World Connections:** As people increasingly build and take over land with animal habitats, more wild animals make their way into people's neighbourhood

**Art Connection:** Make a poster about sharing land with wildlife

**Science and Technology Connections:** Comparing a natural habitat to people's yards, Trail cameras

**Career Spotlight:** Jobs that have an impact on land and wildlife

**STEAM Task** Create a camouflage cover for an outdoor camera

### Unit 4 – Feeling at Home

**Real World Connections:** Refugee camps help many people but do not feel like home

**Art Connection:** Make a mosaic poster

**Math and Engineering Connections:** Kinds of shelters and their benefits. Area measurement

**Career Spotlight:** Teachers

**STEAM Task** Paint a design for a mural to show what your home is like

### Unit 5 – Wildfires

**Real World Connections:** Wildfires are usually caused by people and can change our lives

**Art Connection:** Make a torn-paper picture

**Science and Technology Connections:** Food web; Wildfire and ecosystems; Satellite photos

**Career Spotlight:** Jobs that help fight, study, and prevent wildfires

**STEAM Task** Write and record a community service announcement about wildfires

## Unit 6 – Small Farms

**Real World Connections:** Some people depend on their small farms for survival, but running a small farm has many challenges

**Art Connection:** Make fruit-and-vegetable stamps and unscramble letters to design a poster

**Science and Technology Connections:** Effect of drought on small farms; Smartphone applications that can help farmers

**Career Spotlight:** Careers that help smallholder farmers to grow their farms into bigger farms

**STEAM Task** Plan and design a map of a small farm

## Unit 7 – Clutter

**Real World Connections:** Clutter can lead to an unsafe environment and affect our health

**Art Connection:** Make a hanging mobile

**Science and Engineering Connections:** Flammability; Organisms that thrive in clutter; Engineering designs that help people organize and store items

**Career Spotlight:** Career that help people organize and store items.

**STEAM Task** Design a storage solution for a school shed

## Unit 8 – Therapy Objects

**Real World Connections:** Therapy objects and animals can help some people feel better

**Art Connection:** Make a mandala

**Science and Technology Connections:** Stress; Virtual reality technology

**Career Spotlight:** Board Therapists

**STEAM Task** Make a unique therapy object

## Unit 9 – Rising Sea Level

**Real World Connections:** Some scientists believe that sea levels are rising, and rising sea levels can lead to flooding and other changes to the environment

**Art Connection:** Make a 3D coral reef

**Math and Engineering Connections:** Building structures and solutions in the sea; Fractions; Generating fractions using a model

**Career Spotlight:** Careers that help find solutions to the problems of rising sea levels

**STEAM Task** Design and construct a model of a structure or a solution to help an island nation dealing with rising sea levels