

MOVE TO LEARN GLOBAL SCHOOL

Grade 5 Curriculum - STEAM

Unit 1 – Too Much to Sell

Real World Connections: Many businesses make money by selling things that are in demand, but when a business has too much food to sell this can be a problem

Art Connection: Design a gift basket

Math and Engineering Connections: Volume; Weight; Estimation; Evaluating packing materials and containers

Career Spotlight: Food outreach organizations

STEAM Task: Plan a food packaging event for volunteers to work at

Unit 2 – Diversity

Real World Connections: Many people believe that representation in media is important because the world has people from many different backgrounds

Art Connection: Make a poster that shows diversity in your life

Math and Engineering Connections: Cryptography; Analyzing data; Reading a graph

Career Spotlight: Careers in children publishing

STEAM Task: Create a book about diverse people who inspire you

Unit 3 – Shelter in Place

Real World Connections: Medical experts sometimes recommend that people shelter in place, stay home as much as possible, to help prevent the spread of a disease

Art Connection: Make a video of yourself teaching an art lesson

Science and Math Connections: Learning about pandemics. Staying healthy. Exponents

Career Spotlight: Essential workers, or people who work even when others shelter in place

STEAM Task: Design and make a stay-at-home kit with original activities

Unit 4 – Refugee Camp

Real World Connections: Refugee camps help people who must leave their homes, but some things in refugee camps, such as getting enough exercise, can be challenging

Art Connection: Create a mural

Science and Math Connections: Exercise and the body; Fractions; Decimals; Multiplication

Career Spotlight: Jobs in refugee camps

STEAM Task: Create a dance exercise video with music designed for people in refugee camps

Unit 5 – Limited Resources

Real World Connections: Many people rely on local and natural resources to get what

they need

Art Connection: Make paint and paintbrushes using natural resources and paint a picture

Science and Math Connections: Properties of natural materials; Scale; Patterns

Career Spotlight: Jobs related to using resources

STEAM Task: Create a work of art made from local natural resources

Unit 6 – Community Centers

Real World Connections: Community centers provide benefits to a community by offering activities and opportunities for people to learn new skills, exercise, and interact

Art Connection: Decorate clothing and make a sign to display for a fundraiser

Science and Math Connections: Weathering and decomposition; Budgeting time to create a schedule

Career Spotlight: Jobs at a community center and evaluating people's skills

STEAM Task: Create and give a presentation to persuade a town council that a community center is valuable

Unit 7 – Disposing of Trash

Real World Connections: Landfills are getting more full of trash, and recycling can help reduce the amount of trash in landfills, however, many people do not dispose of recyclables properly

Art Connection: Make creative and clear labels for trash and recycling bins

Math and Engineering Connections: Analyzing a diagram of a recycling plant; Bar graph

Career Spotlight: Interviewing experts who try to keep our planet clean

STEAM Task: Design and create a survey about people's recycling habits

Unit 8 – Tiny Houses

Real World Connections: There are different reasons why people leave a house for another kind of home, and people choose different kinds of structures to make their homes in

Art Connection: Make a tiny house model

Math and Engineering Connections: Homes designed for different purposes; Budgeting money; decimals; Fractions; Circle graph

Career Spotlight: Careers in building tiny houses

STEAM Task: Create a pamphlet to persuade people to buy a tiny house

Unit 9 – Not Enough Classrooms

Real World Connections: Some students do not have a building to attend school in and have limited supplies for their education

Art Connection: Make a torn-paper mosaic poster

Technology and Engineering Connections: Technology in schools; Structures of

different types of schools

Career Spotlight: Jobs helping students learn

STEAM Task: decorate a T-shirt for a fundraiser