

CITY PLANNING EXPLORATION UNIT

**STEAM WITH
MISSK**

GRADE 3

[HTTPS://MISSELAINEKAO.
WIXSITE.COM/STEAMWITH
MISSK](https://misseleinekao.wixsite.com/steamwithmissk)

DAY 1

UNIT INTRODUCTION

Explore, make observations, discuss and reflect on how our city has changed throughout history.

LEARNING TARGET

Make observations, compare & contrast, and collect inspiration in sketchbooks.

ACTIVITY/TASK

Discussions and sketchbooks.

ASSESSMENT

DAY 2

SPECIAL PLACE/SPACE MAP

Identify and use symbols and legends to create a 2D map of a 3D place/space.

LEARNING TARGET

Create a map of a personally significant place/space using symbols and a legend.

ACTIVITY/TASK

Finished drawing.

ASSESSMENT

DAY 3

COLLABORATIVE MAP-MAKING: NATURAL ENVIRONMENT

Create individual and collaborative maps representing a geographical space with a variety of natural features.

LEARNING TARGET

Experiment with creating maps.

ACTIVITY/TASK

Rough sketches.

ASSESSMENT

DAY 4

COLLABORATIVE MAP-MAKING: BUILT ENVIRONMENT

Identify additional features of different types of maps to continue creating collaborative city maps.

LEARNING TARGET

Experiment with creating maps.

ACTIVITY/TASK

Reflection of collaboration skills.

ASSESSMENT

DAY 5

COLLABORATIVE MAP-MAKING: FINALIZING

Collaboratively complete a city map with a legend and colour coding.

LEARNING TARGET

Finalize collaborative map, and create a larger version with light linework.

ACTIVITY/TASK

Rough draft of map.

ASSESSMENT

DAY 6

3D FORMS FROM 2D SHAPES

Construct 3D forms with careful and concise cutting, folding, and gluing techniques.

LEARNING TARGET

Construct 3D forms with and without templates.

ACTIVITY/TASK

Quality of constructed 3D forms; accuracy of measurements, cutting and gluing.

ASSESSMENT

DAY 7

CONSTRUCTION

Topographical maps show the elevation of different landforms and can be represented in physical models by layering consecutively smaller pieces on top of each other.

LEARNING TARGET

Begin turning 2D maps into 3D models.

ACTIVITY/TASK

Reflection of progress and goals for next class.

ASSESSMENT

DAY 8

CONSTRUCTION & PROGRESS CHECK

Giving and receiving constructive feedback is an important skill and step in the creative process.

LEARNING TARGET

Progress check and class sharing. Continue construction.

ACTIVITY/TASK

Reflection on feedback received during progress check

ASSESSMENT

DAY 9

CONSTRUCTION

Great teamwork depends on great communication between members.

LEARNING TARGET

Continue construction.

ACTIVITY/TASK

Reflection of progress and goals for next class.

ASSESSMENT

DAY 10

CONSTRUCTION: FINAL DETAILS

Looking at work from a different, new perspective can lead to new ideas to enhance our projects and further explore ideas/topics.

LEARNING TARGET

Finish construction and add extra details.

ACTIVITY/TASK

Reflection of successes and areas of improvement.

ASSESSMENT

DAY 11

PROJECT SHARING AND CELEBRATION

Knowledge from different subjects can combine and inform art and design decisions.

LEARNING TARGET

Gallery walk/short presentations

ACTIVITY/TASK

Final project & reflection

ASSESSMENT
(SUMMATIVE)