

# Learning Landscapes

## Northgate Elementary



**Seattle**  
Department of  
Transportation



**Seattle**  
Department of Education  
& Early Learning

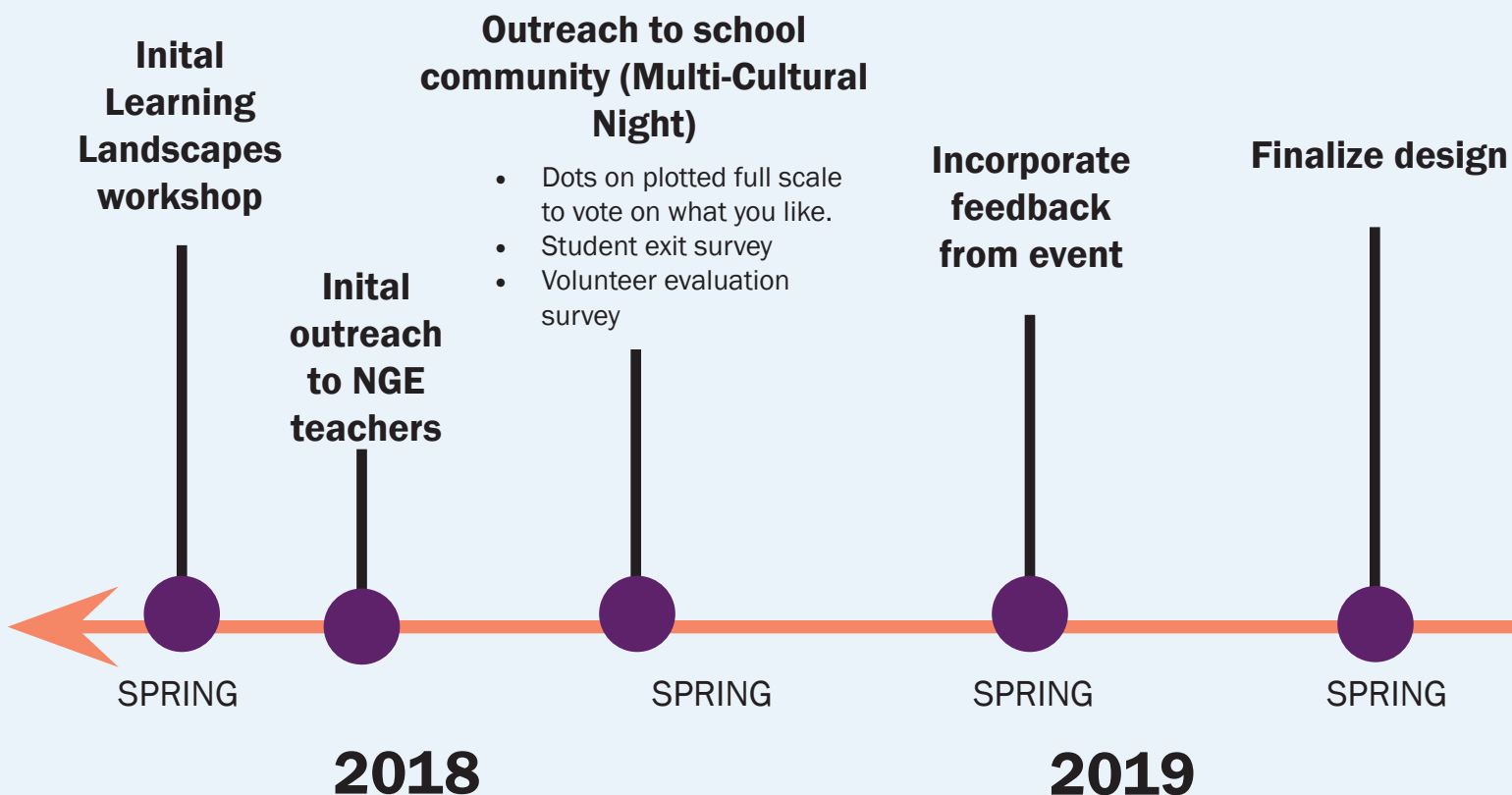


# Learning Landscapes

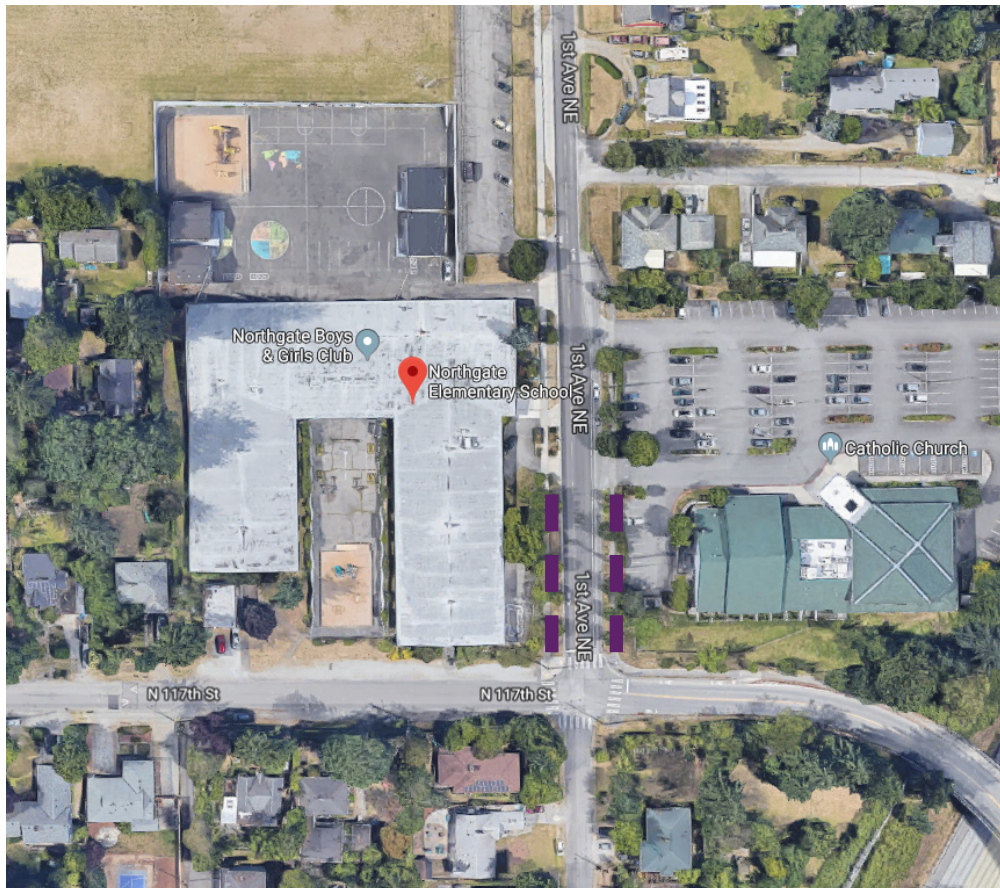
Safe Routes to School has partnered with the Seattle Department of Education and Early Learning and Seattle Public School's Northgate Elementary for a Learning Landscapes pilot project. It is projected that by 2050, 70% of the world's children will be living in urban areas most of these children will reach adulthood without the basic secondary skills required to meet the needs of the workplace. Furthermore, children are spending only 20% of their waking time in school. By designing a sidewalk that will provide safe pedestrian passage to school through a cognitively stimulating environment, our hope is that children will engage in play and conversation that will support their development and prepare them for school. Learning Landscapes is a concept developed by Kathy

Hirsh-Pasek at Temple University to address educational inequities in urban areas. By transforming the public realm into opportunities for young children and their caretakers to talk and engage in playful learning, children will have the opportunity to develop language, spatial awareness and gross motor functioning that will help them build a foundation for success in school. This project seeks to provide enrichment to the remaining 80% of time children are awake and interacting with their families and their surroundings.

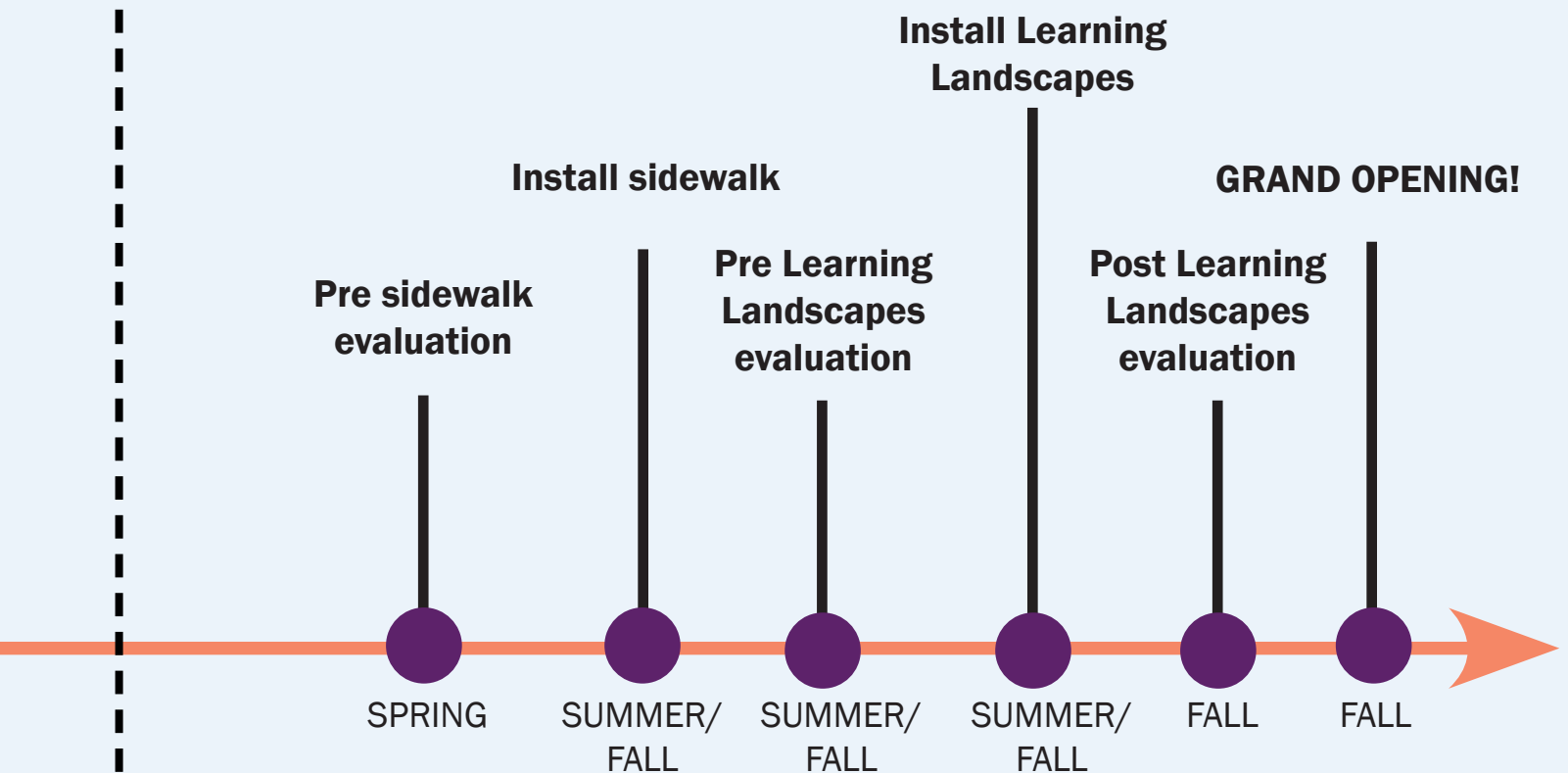
## Timeline



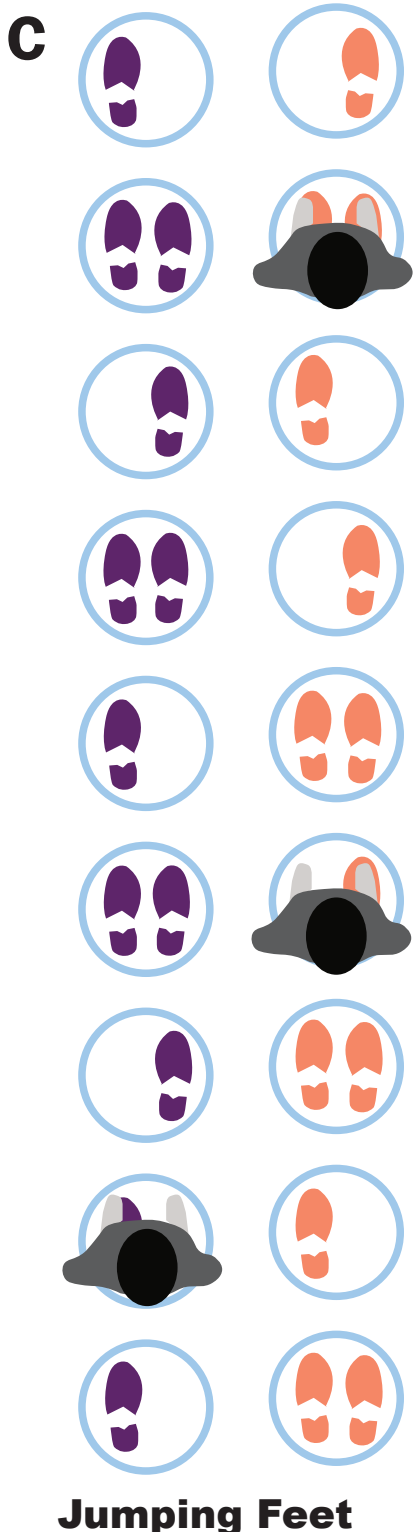
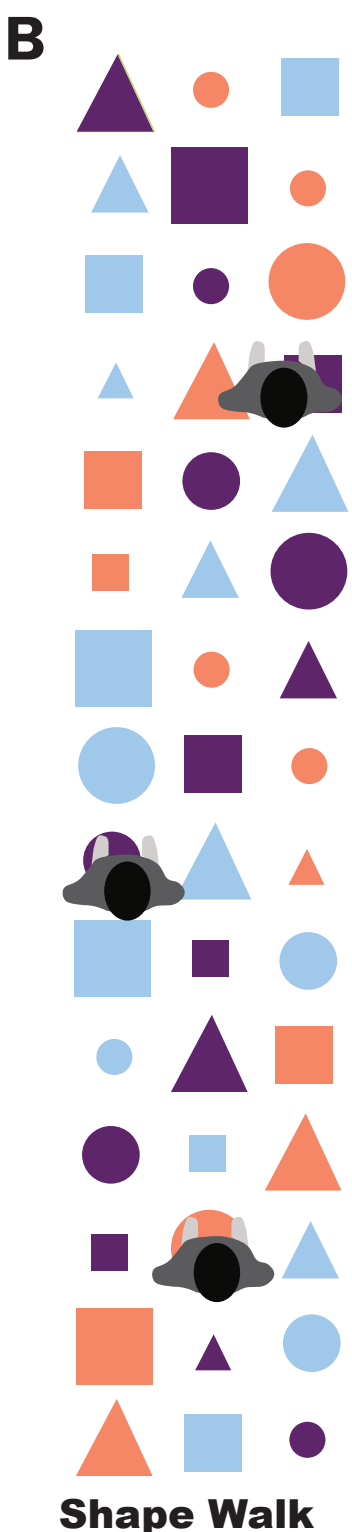
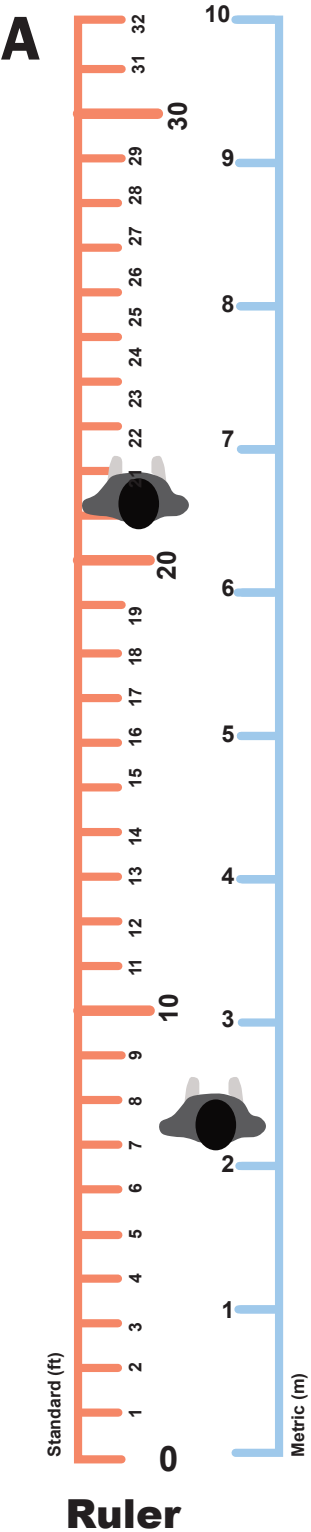




Project Location

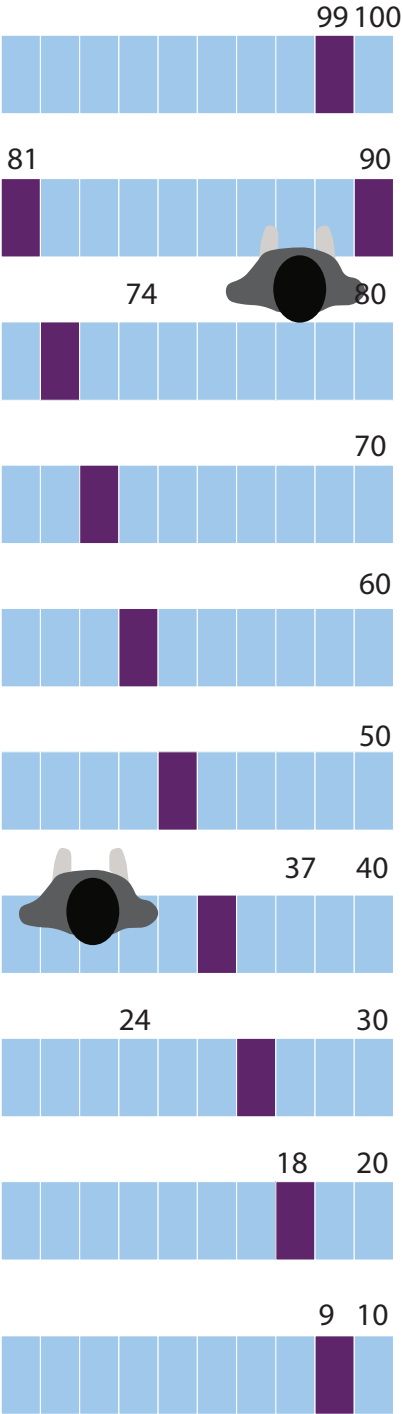


# Sidewalk Installations



Bus Stop Installation

D



Base 10

E

S	E	R	S
P	A	T	G
L	I	N	E
S	E	R	S

Letter Scramble

## Description

## Prompts

\* indicates prompt

**A Ruler** challenges children to see how far they can jump. By having both metric and US standard measurements, they can make this spatial comparison. Each 100 ft will continue to get marked on the site.

- How far can
- How many f
- How many m

**B Shape Walk** challenges children to create a new pattern by jumping each time they go through. Younger students can practice identifying shapes and colors and build vocabulary around what shapes/colors/sizes are the same or different and why

- Can you find
- Can you find
- Mix color, sh

**C Jumping Feet** morphs everyday hopscotch into an executive functioning activity. Shoe prints encourage children to jump, developing their ability to control impulses and think flexibly as they match the random pattern and think about their next step

- Hop on one
- Hop on two
- Hop on your
- Hop on your

**D Base 10** is the foundation for a strong number sense, especially useful for visual learners. Students can think about what number goes in the hundreds, tens, and one places. They can also use this to learn times tables and division math facts by hopping on various multiples and multiplying or dividing as they hop. Students practice foundational aspects of algebra by finding the missing number. Younger students can practice their addition and subtraction by jumping in various directions.

- Jump on two
- them, and m
- Can you jum
- Jump to num

**E Letter Scramble** encourages children to spell words as they go through the space. Younger students can also work on identifying letters and sounds, as well as vowels and consonants

- There are 14
- Can you find
- Can you spe
- How many w

prompt will be translated into either Spanish, Amharic, Arabic, Tigrinya

you walk with 5 steps

feet can you jump with one leg? \*

meters can you stretch holding hands with a friend?

and a way to go through the puzzle only stepping on one color?

and a way to go through the puzzle only stepping on one shape? \*

shapes, and number of feet!

foot when the circle has two feet

feet when the circle has one foot. \*

left foot when the hopscotch shows the right foot

right foot when it shows the left foot.

to different numbers and add them, subtract them, divide

multiply them!

up on all the multiples of 9? \*

number 28, 39, 64, 71, 88

414 many words in this scramble, can you find them all?

and words in languages other than English? \*

enough words to make a sentence?

words can you find in one minute?

## **To Learn More:**

[kathyhirshpasek.com/learning-landscapes/](http://kathyhirshpasek.com/learning-landscapes/)

[kathyhirshpasek.com/wp-content/uploads/sites/9/2018/06/Learning-Landscapes-Playing-the-way-to-learning-and-engagement.pdf](http://kathyhirshpasek.com/wp-content/uploads/sites/9/2018/06/Learning-Landscapes-Playing-the-way-to-learning-and-engagement.pdf)

[www.seattle.gov/transportation/projects-and-programs/programs/pedestrian-program/sidewalk-development-program](http://www.seattle.gov/transportation/projects-and-programs/programs/pedestrian-program/sidewalk-development-program)