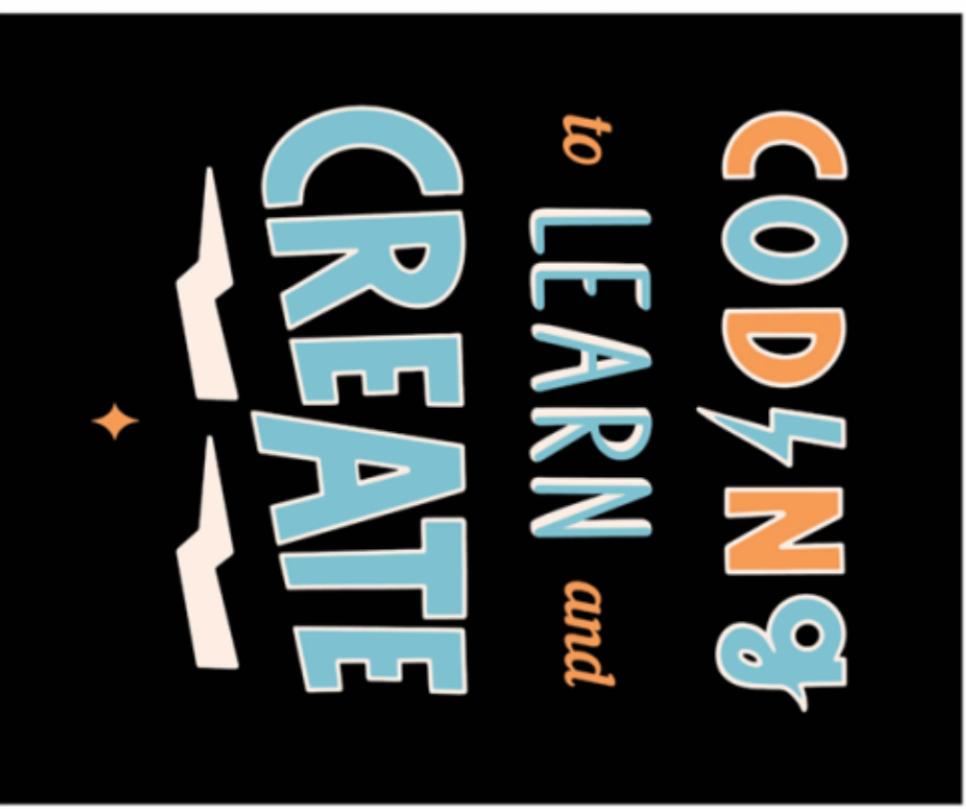


This activity was designed to support

CODING
to LEARN and



For more information
on this project, please
contact one of the
following partners:


BRIDGES
C A N A D A


inclusive design
research centre

This activity is designed to support students in developing an understanding of repeated patterns and the coding language associated with them. The slides in this section are to be used during the MODEL segment of the lesson plan.

Print, cut, laminate and use velcro for individual use.

Have students create a pattern sequence in step 1.

Identify any repeating patterns in their pattern sequence. Place the image blocks of the repeated pattern in step 2.

Introduce the concept of the Function command block and how it replaces any multiple block repeated pattern with a single block.

Re-create the pattern sequence in step 3, using the Function block.

1



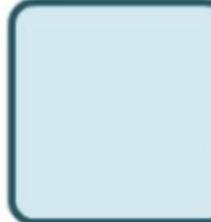
Create a sequence



2



Show a repeated pattern



=



3



Recreate the sequence using the function block

function



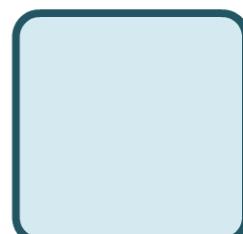
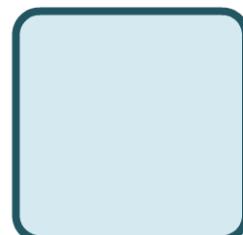
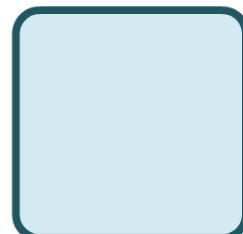
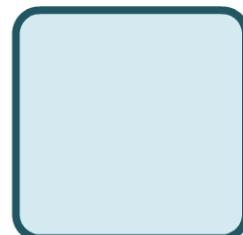
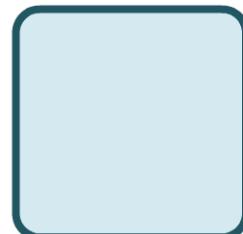
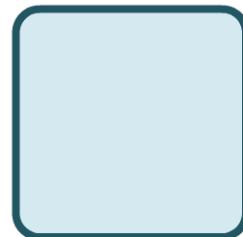
function



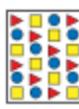
1



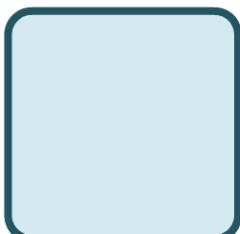
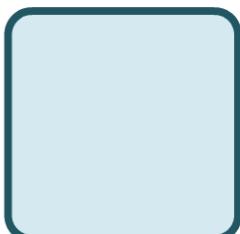
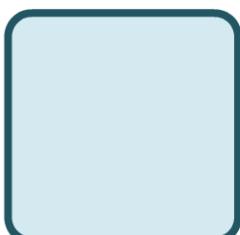
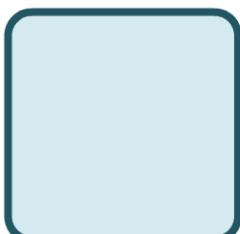
Create a sequence.



2



Show a repeated pattern.



=



3

Recreate the sequence using the function block.



function



function



function



function



function



function



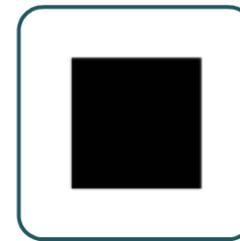
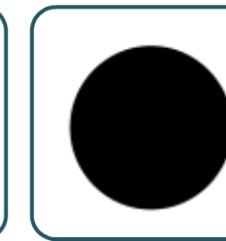
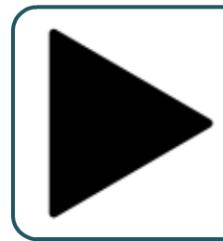
function



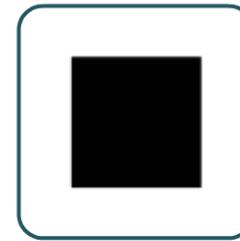
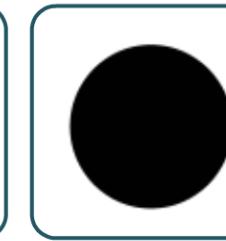
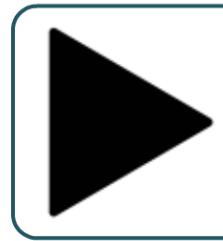
function



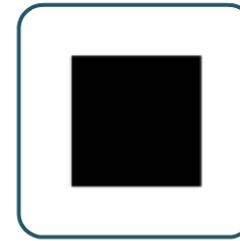
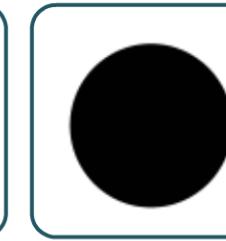
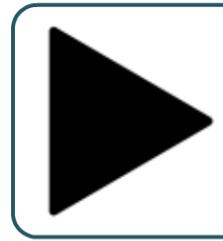
function



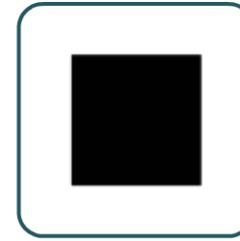
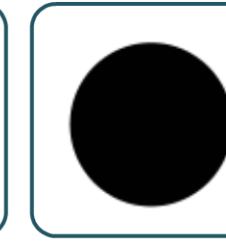
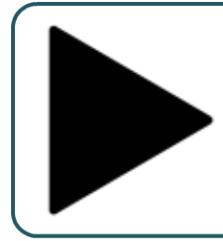
function



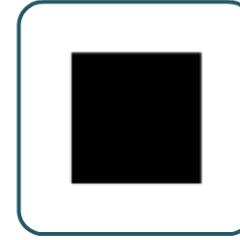
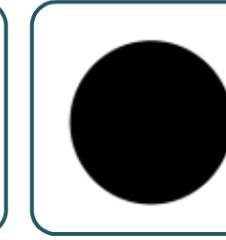
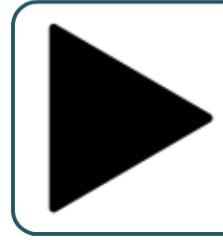
function



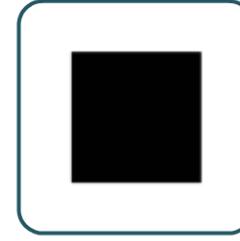
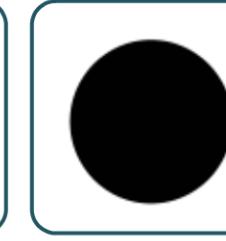
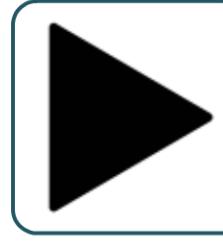
function



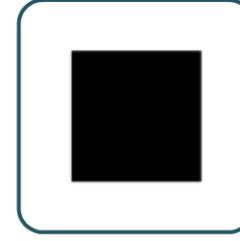
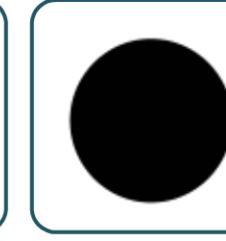
function



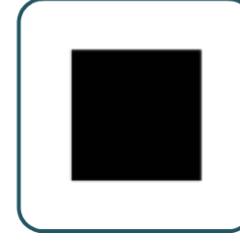
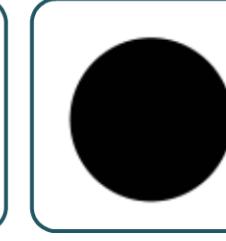
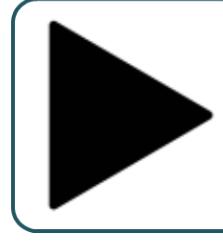
function



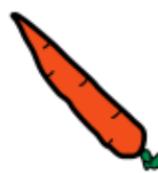
function



function



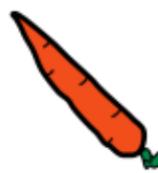
function



function



function



function



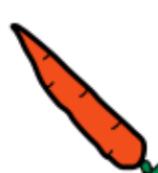
function



function



function



function



