

Expanding...

Create your own Binary Code!

Pick two letters, numbers, shapes,
or colors. Put them into the pattern!

My first name begins with the letter.

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My partner's first name begins with
the letter.

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Student Name:_____

Teacher's Name:_____

Due Date:_____

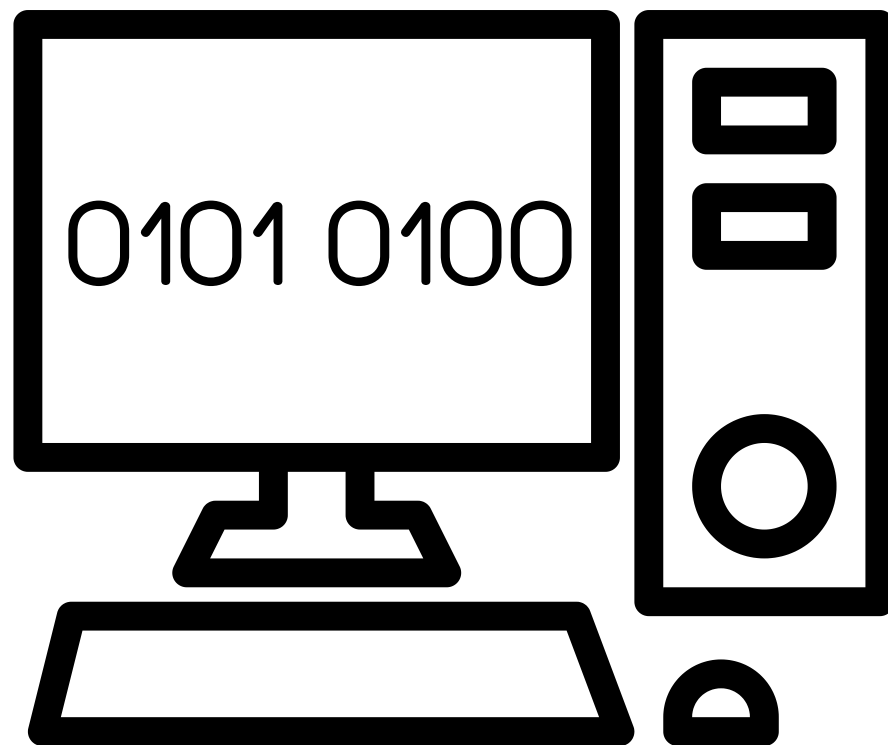
Partner's Name:_____



The Science Alliance of Tennessee, a coalition of 6 Science and Children's Museums, aims to foster children's curiosity, wonder and problem-solving skills using STEM curricula and community connections that set students on a positive trajectory of learning where they live and play. This project, the Tennessee Rural Impact Project (TRIP), was made possible in part by the Institute of Museum and Library Services.

Let's Explore

Binary Code



Exploring...

Computers have their own language.

This language is called Binary Code.

It uses "0"s and "1"s called "bits" for letters. It makes a pattern of bits for each letter.

We can write like a computer too!

We will use white and black squares to make our own binary code pattern.

Black is 0. White is 1.

With a partner look at the Binary Code key.

Each letter has a pattern of black and white squares.

Find your letter and color in the squares to match.

What to do

A	■□■□ ■■■□	N	■□■□ □□■□
B	■□■□ ■■□■	O	■□■□ □□□□
C	■□■□ ■■□□	P	■□□□ ■■■■
D	■□■□ ■□■□	Q	■□□□ ■■■□
E	■□■□ ■□■□	R	■□□□ ■■□■
F	■□■□ ■□□■	S	■□□□ ■■□□
G	■□■□ ■□□□	T	■□□□ ■□■□
H	■□■□ □■■■	U	■□□□ ■□■□
I	■□■□ □■■□	V	■□□□ ■□□■
J	■□■□ □■□■	W	■□□□ ■□□□
K	■□■□ □■□□	X	■□□□ □■■■
L	■□■□ □□■□	Y	■□□□ □■■□
M	■□■□ □□■□	Z	■□□□ □■□■

*from sswww.com

My first name begins with the letter.

□	□	□	□	□	□	□	□
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My partner's first name begins with the letter.

□	□	□	□	□	□	□	□
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