

Name: _____

01

MOVE TANK 2

1. Open Lego Mindstorms
2. Click File → New Project → Program.
3. Click File → Save Project As → Computer → your name → file name {Name Move Tank 2} . For example, it would say "Hill Tank Move 2"
4. After saving your project create programs within this project by clicking the + next to Program tab (NOT THE + NEXT TO THE PROJECT!!). Name the programs:

Recreate	Recreate 2	360 Turn
Circle	3 point turn	
4. Since the project is already named at the end of every class you will click FILE → SAVE PROJECT NOT FILE → SAVE PROJECT AS

CHALLENGE 1: Recreate

The first green block makes the robot....?

What does the second green block do?

The third green block makes the robot....?

What does the fourth green block do?

CHALLENGE 2: Move in a rectangle around an object

Place an object on the floor. Using ONLY tank moves drive in a rectangle around the object without the robot stopping. What was the largest challenge for this activity?



CHALLENGE 3: Following a line

Have the teacher provide you a non-linear "line" either with tape or on a sheet of paper. Using the Tank Block plus any other type of blocks you have learned, get the Robot to follow the line.

CHALLENGE 4: Following a line

Attach a writing device to your robot. Create a program where the robot uses the writing device to make the robot create any capital letter *except* I, J, L, O, P, S, U, or Z. This letter must be different than the one you did last time. Write your code below, crossing out what blocks you did not need.



CHALLENGE COMPLETED

