

GEOMETRY
IF-THEN STORY/PICTURE (CH. 2)

Name: _____
 Date: _____ Period: _____

GROUP MEMBERS: _____ (___ / 15)

OBJECTIVE: CREATE AN ARTISTIC TWO-DIMENSIONAL PICTURE (ANIMAL, OBJECT, DESIGN, ETC.) USING THE TI-NSPIRE ROVERS. EACH GROUP WILL BE REQUIRED TO PRODUCE AN **IF-THEN** STORY THAT DESCRIBES THE CODING USED TO GENERATE THE PICTURE DRAWN. WRITE/TYPE THE **IF-THEN** STORY ON A SEPARATE SHEET OF PAPER AND BE PREPARED TO DEMONSTRATE YOUR CODING TO THE TEACHER. GRADES WILL BE BASED ON THE FOLLOWING CRITERIA...

	3	2	1	POINTS EARNED
CREATIVITY	PICTURE EXEMPLIFIES A TRUE STRETCH OF CAPABILITY AND IMAGINATION.	PICTURE IS APPROPRIATE FOR THE PROJECT, BUT VERY BASIC WITH NO COMPLEXITY.	PICTURE IS NOT ARTISTIC AND DOES NOT MEET THE CRITERIA FOR THE PROJECT.	
CODING	AT LEAST 20 LINES OF CODING USED TO CREATE THE PICTURE.	19 TO 10 LINES OF CODING USED TO CREATE THE PICTURE.	UNDER 10 LINES OF CODING USED TO CREATE THE PICTURE.	
IF-THEN STORY	STATEMENTS ARE IN IF-THEN FORM, CLEAR, SPECIFIC, AND ACCURATE.	STATEMENTS ARE IN IF-THEN FORM, BUT ARE VERY GENERAL (NOT SPECIFIC WITH MEASUREMENTS/TURNS).	STATEMENTS ARE NOT IN IF-THEN FORM AND LACK CLARITY/ACCURACY.	
PRESENTATION (FINAL ATTEMPT)	THE ROVER DEMONSTRATES THE STORY WITH LITTLE TO NO ERRORS (1-2).	THE ROVER DEMONSTRATES THE STORY WITH A FEW ERRORS (3-5).	THE ROVER DEMONSTRATES THE STORY BUT HAS MAJOR ERRORS (OVER 5).	
PARTICIPATION	ALL GROUP MEMBERS ARE ACTIVELY INVOLVED IN ALL PARTS OF THE PROJECT.	GROUP MEMBERS ARE INVOLVED IN THE PROJECT, BUT NEEDED REMINDERS TO STAY ENGAGED AND ON TASK.	GROUPS MEMBERS STRUGGLE TO WORK TOGETHER AND THE SAME PEOPLE KEEP DOING ALL THE WORK.	

IF-THEN STORY EXAMPLES:

If I tell the Rover “Forward 1”, then it will move straight ahead 10 centimeters.

If I tell the Rover “Left 40”, then it will turn left 40° and create a 140° angle.

WHO CAME UP WITH THE DESIGN FOR THE PICTURE? _____

WHO CODED THE ROVER? _____

WHO WROTE THE IF-THEN STORY? _____

WHAT WAS YOUR PROCESS THROUGH TROUBLE SHOOTING?

WHAT WERE YOUR INTIAL SUCCESSES?

WHAT WAS CHALLENGING FOR YOUR GROUP?

ANY OTHER INFORMATION THAT YOU WOULD LIKE TO SHARE...

RATE YOUR GROUP MEMBERS ON THEIR PARTICIPATION AND WILLINGNESS TO HELP.

1 = MINIMAL PARTICIPATION AND EFFORT GIVEN, WASN'T MUCH OF A GROUP PROJECT

10 = WORKED WELL WITH MY GROUP, EVERYONE PITCHED IN AND DID THEIR PART

1 2 3 4 5 6 7 8 9 10