Bee Bot Lesson Plan

3rd	**Topic**: Multiplication Facts 0 and 1	

Standard:
MGSE3.OA.7 Fluently multiply and divide within 100, using strategies such as the relationship between multiplication and division (e.g., knowing that $8 \times 5 = 40$, one knows $40 \div 5 = 8$) or properties of operations. By the end of Grade 3, know from memory all products of two one-digit numbers.

Vocabulary:	**Materials**:
Product	Bee Bot Mat Cards
Factor	Bee Bot Mat
Bee Bot	Bee Bot
Program	2 Dice

Instruction:
1. Set up Bee Bot Mats by placing bee bot number cards randomly on the squares.
2. Students will draw an equation card, and then multiply the two factors.
3. Students then program the Bee Bot to go to the product of the cards.

Summarizer/Assessment:	**Teacher Notes**
Teacher Observation.	This is a great Friday activity if you have multiple mats, and bee bots to do whole class. But also makes a great center rotation with just one mat and one Bee Bot.

Bee Bot Mat Cards

0	1
2	3

4	5
8	9

6	7
10	11

Equation Cards

0 x 1=	4 x 0=
0 x 2=	5 x 0=
0 x 3=	6 x 0=

0 x 7=	0 x 11=
0 x 8=	12 x 0=
0 x 10=	1 x 1=

1 x 2=	3 x 1=
1 x 4=	5 x 1=
6 x 1=	1 x 7=

8 x 1=	1 x 9=
10 x 1=	12 x 1=
0 x 1=	1 x 11=