

## Bret J. Gensburg's Good Practice

### Lesson Title:

Using a Compass Feature on the SMART Board

### Lesson Introduction:

This lesson is one of the newest creations that I have developed. For this lesson you will need to save the image of the "White Circle" to a gallery, or download my math three gallery from my website.

(<http://www.ahs.stark.k12.oh.us/Math/Gensburg/SMARTBUGS.htm#Galleries>)

Math three is a gallery dedicated to my students and one of my major philosophies of education: "If the students can play with it on their desks", then I must be able to play with on the SMART Board. In the state of Ohio, there are math content standards. It was obvious that the SMART Board, through SMART Notebook, could handle every one of those content standards until it got to geometry constructions. This racked my brain. Finally it hit me. I created a circle with the ellipse feature and a 10 x 10 grid. I added a red dot for the center, removed the grid and grouped the circle and dot together. I then drew a thick white mark over the black circle, creating a white-out. Now, only the red dot shows if the background of my notebook file is white. I can then use the "erase" feature, "clone" feature, and "order" feature to show different sections of the circle, thus creating an arc like a compass. Now I can use this for any construction problem that I may need to teach, and if I change my background, I can change the white-out to the same color. Have Fun!

### Resources/Materials:

SMART Board Interactive White Board, SMART Notebook, and a SMILE!

### Lesson Overview:

Constructions are done the same as if you were using an actual straight edge and compass, however there may need to be an occasional order change to send the new arc to the back.

### System Requirements:

All the normal requirements to run and operate the SMART Board Interactive Whiteboard.

See the associated SMART Notebook File.