**Activity 5.3.2: Technology of the Age of Exploration 5/18/2011**

**Purpose: Students will learn how early explorers used technology and compare to modern technology**

**Standard: SSWH10 (c) Explain the role of improved technology in European exploration; include the astrolabe**

**Directions: Students will look at the website to research several instruments used in navigation.** <http://www.seattleartmuseum.org/exhibit/interactives/spain/launchWin.htm>

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| **Technology** | **How and Why it was used** |
| ***Quadrant*** |  |
| ***Astrolabe*** |  |
| ***Sextant/Octant*** |  |
| ***Chronometer*** |  |

**Writing Prompt**: Which instrument would you choose if you were to sail across an ocean? Why?

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Make your instrument: Chose one of the instruments below and construct your own out of the materials provided



**What to do**

1. **Glue the scale onto particle-board (like the back of a note pad) & cut the board down to the shape of the scale (outer perimeter only)**
2. **Glue the FOLDED edge (dashed line) onto your meterstick, a little less than the distance from the "0" end as your arm is long (so you can reach it while holding the "0" end up to your eye)**
3. **Glue one end of a 30 cm. (1ft) long string to the orange circle & tie a weight to the other end of the string**

**\*\*\*For and Astrolabe ask Coach to print out “ Make Your Own Astrolabe” or Download it from Coach’s Websites\*\*\***