

Engineering And Robotics Learned Young

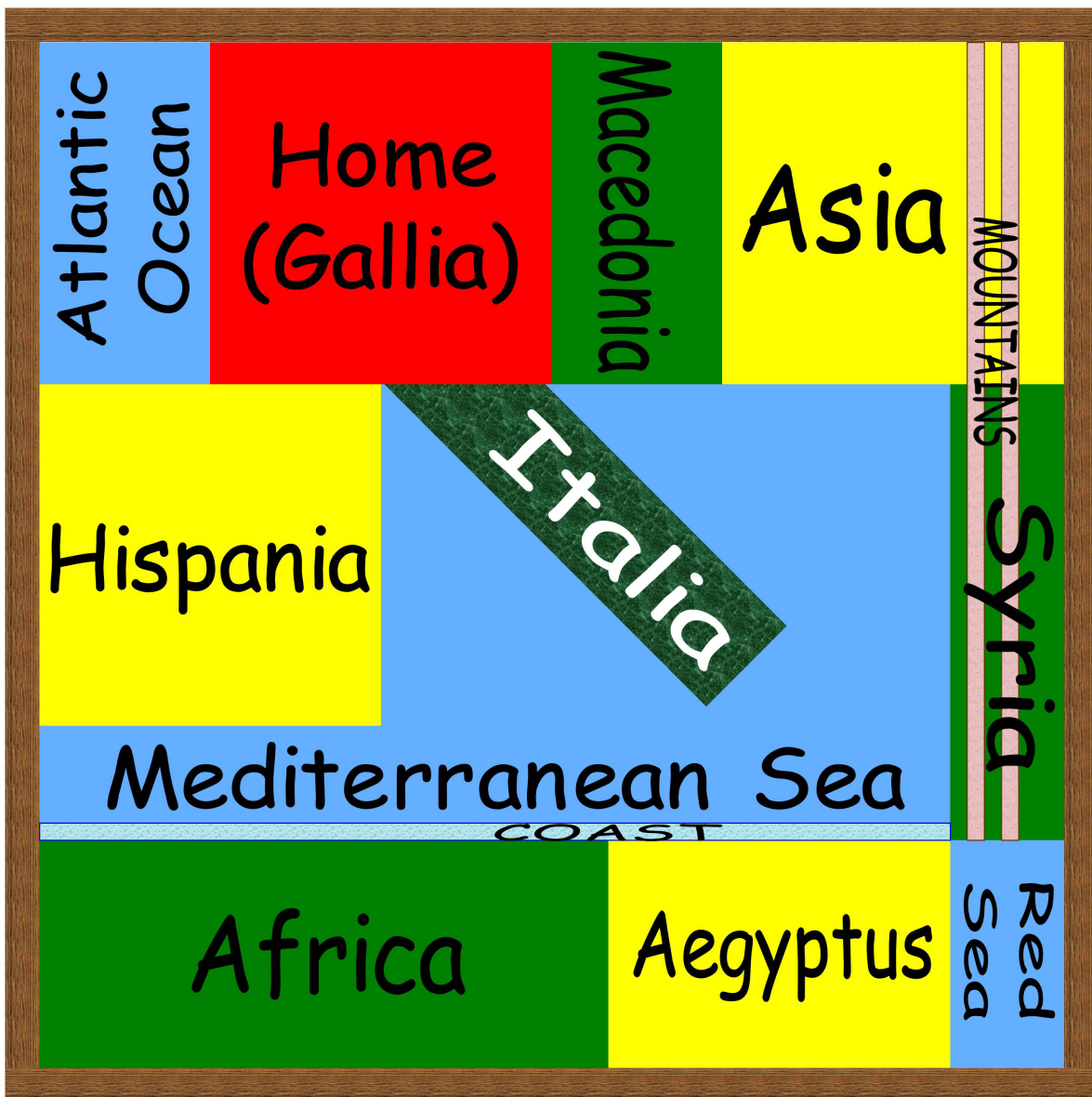
◆ EARLY ◆

2014-2015 Robotics Competition

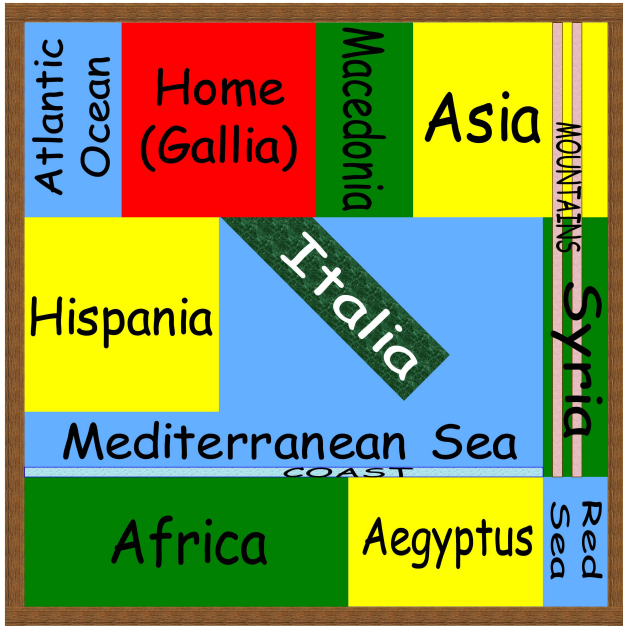
Mission Field Details

The 2014-2015 EARLY Robotics Competition mission field, the **Ancient Roman Empire**, is a 4' x 4' field with a 2" x 4" border with various terrain features. The following information is provided for constructing the mission field.

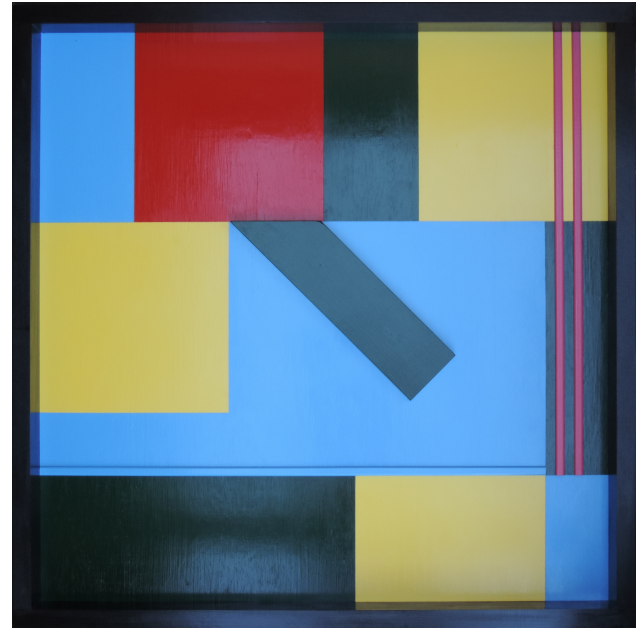
Ancient Roman Empire



2014-2015 EARLY Mission Field



Mission Field Rendering



Mission Field Image

Field
48" x 48"
 $\frac{1}{2}$ " Plywood

Field Perimeter
2" x 4" Boards

Home (Gallia)
15" x 15"

Atlantic Ocean
 $7\frac{1}{2}$ " x 15"

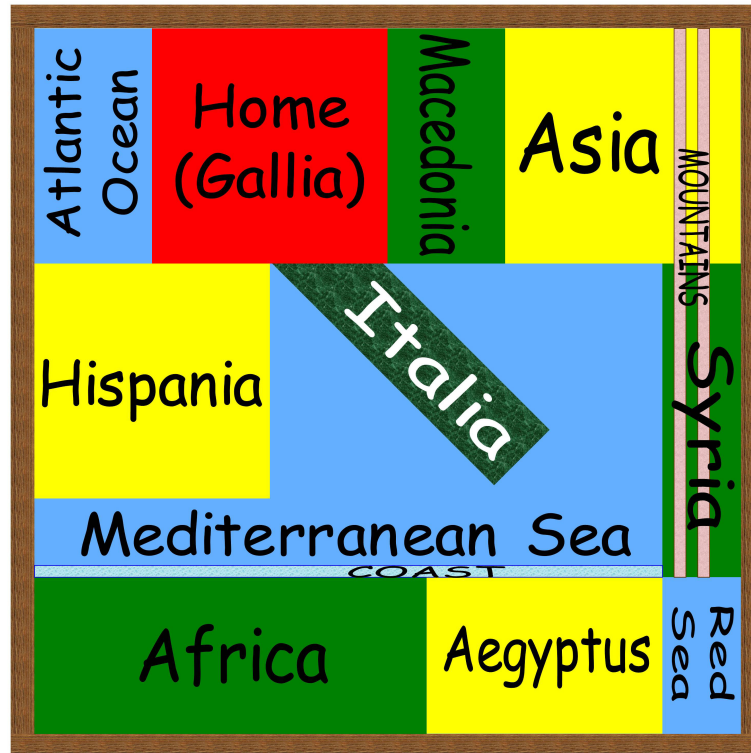
Hispania
15" x 15"

Italia
20" x 5" @ 45°
 $\frac{3}{4}$ " Plywood

Mediterranean Sea
40" x 20"

Coast
 $\frac{3}{4}$ " x $\frac{1}{4}$ " Molding

Africa
25" x 10"



Macedonia
 $7\frac{1}{2}$ " x 15"

Asia
15" x 15"

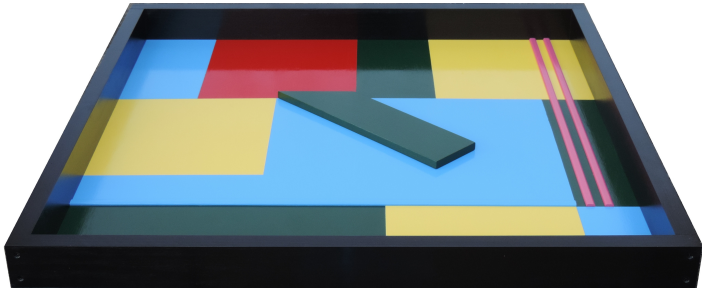
Syria
5" x 20"

Mountains
2 strips
 $\frac{3}{4}$ " x $\frac{1}{4}$ " Molding
 $\frac{3}{4}$ " from Mediterranean Sea
 $\frac{3}{4}$ " apart

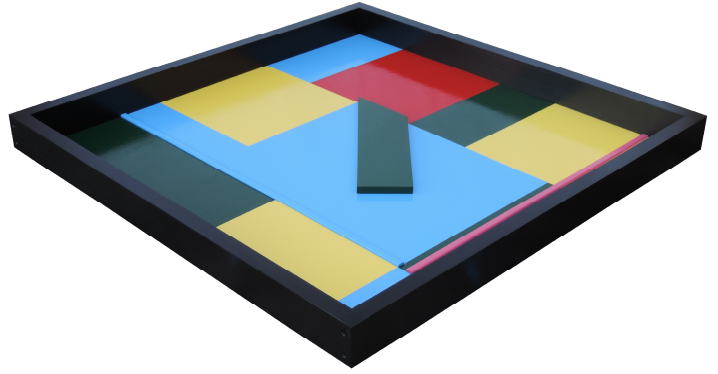
Aegyptus
15" x 10"

Red Sea
5" x 10"

Ancient Roman Empire



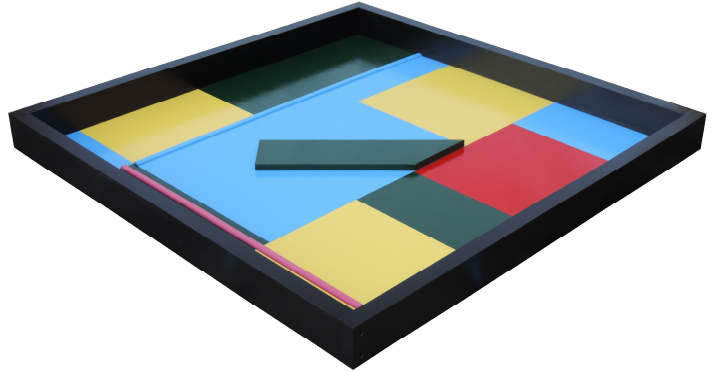
View from **AEGYPTUS**



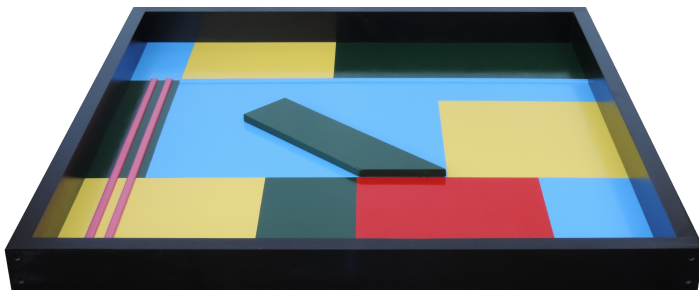
View from the **RED SEA**



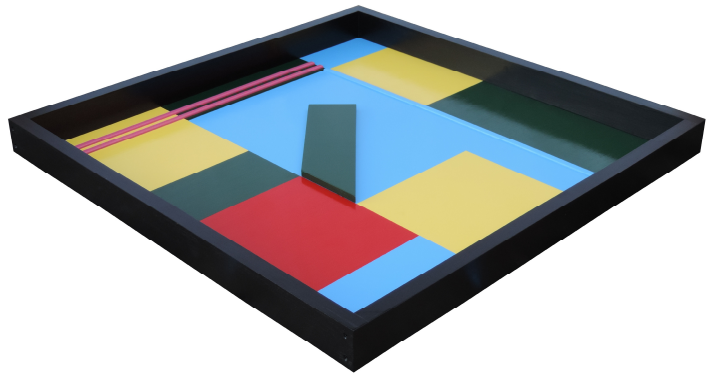
View from **SYRIA**



View from **ASIA**



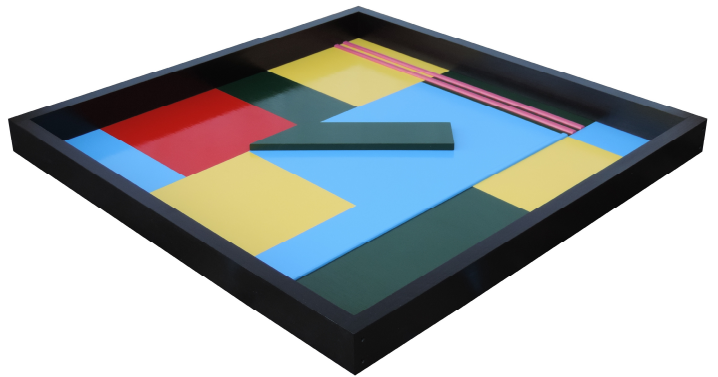
View from **HOME (GALLIA) & MACEDONIA**



View from the **ATLANTIC OCEAN**

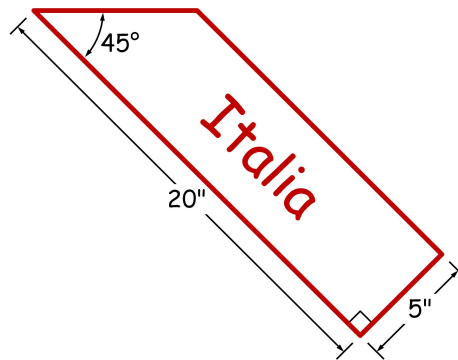


View from **HISPANIA**



View from **AFRICA**

- The bottom of the mission field is a 4' x 4' sheet of $\frac{1}{2}$ " plywood.
- The outer boundary of the mission field is made of 2x4 boards (actual dimension of $1\frac{1}{2}$ " x $3\frac{1}{2}$ ") and is *black*. The side of the 2x4 board that is $1\frac{1}{2}$ " is attached to the plywood with glue, nails, or screws.
- **HOME** is a 15" by 15" flat area and is *red*.
- The **ATLANTIC OCEAN** is a 7.5" by 15" flat area and is *blue*.
- **HISPANIA** is a 15" by 15" flat area and is *yellow*.
- The **ITALIA** is a 20" by 5" piece of $\frac{3}{4}$ " plywood with the upper edge cut at 45 degrees, is positioned at 45 degrees, and is *green*.



- The **MEDITERRANEAN SEA** is a 40" by 20" area and is *blue*. A portion of the **MEDITERRANEAN SEA** is overlapped by **HISPANIA** and **ITALIA**. The **MEDITERRANEAN SEA** includes the **COAST** that is made from one 40" strip of $\frac{3}{4}$ " x $\frac{1}{4}$ " screen molding; the molding is fastened to the mission field with glue, nails, or screws. The screen molding can be purchased at Home Depot (part # 927-139).
- **AFRICA** is a 25" by 10" flat area and is *green*.
- **MACEDONIA** is a 7.5" by 15" flat area and is *green*.
- **ASIA** is a 15" by 15" flat area and is *yellow*.
- **SYRIA** is a 5" by 20" flat area and is *green*.
- **ASIA** and **SYRIA** include the **MOUNTAINS** that are made from two 35" strips of $\frac{3}{4}$ " x $\frac{1}{4}$ " screen molding, are positioned $\frac{3}{4}$ " from the **MEDITERRANEAN SEA**, are separated by $\frac{3}{4}$ ", and are *rose*; the molding is fastened to the mission field with glue, nails, or screws. The screen molding can be purchased at Home Depot (part # 927-139).
- **AEGYPTUS** is a 15" by 10" flat area and is *yellow*.
- The **RED SEA** is a 5" by 10" flat area and is *blue*.
- The *blue* color can be made by mixing 1 part navy blue paint with 1 part white paint.
- The *rose* color can be made by mixing 1 part red paint with 1 part white paint.

Please contact Mission.Control@EARLYrobotics.org with any questions or comments.
Thank you for maintaining the spirit of the game!