



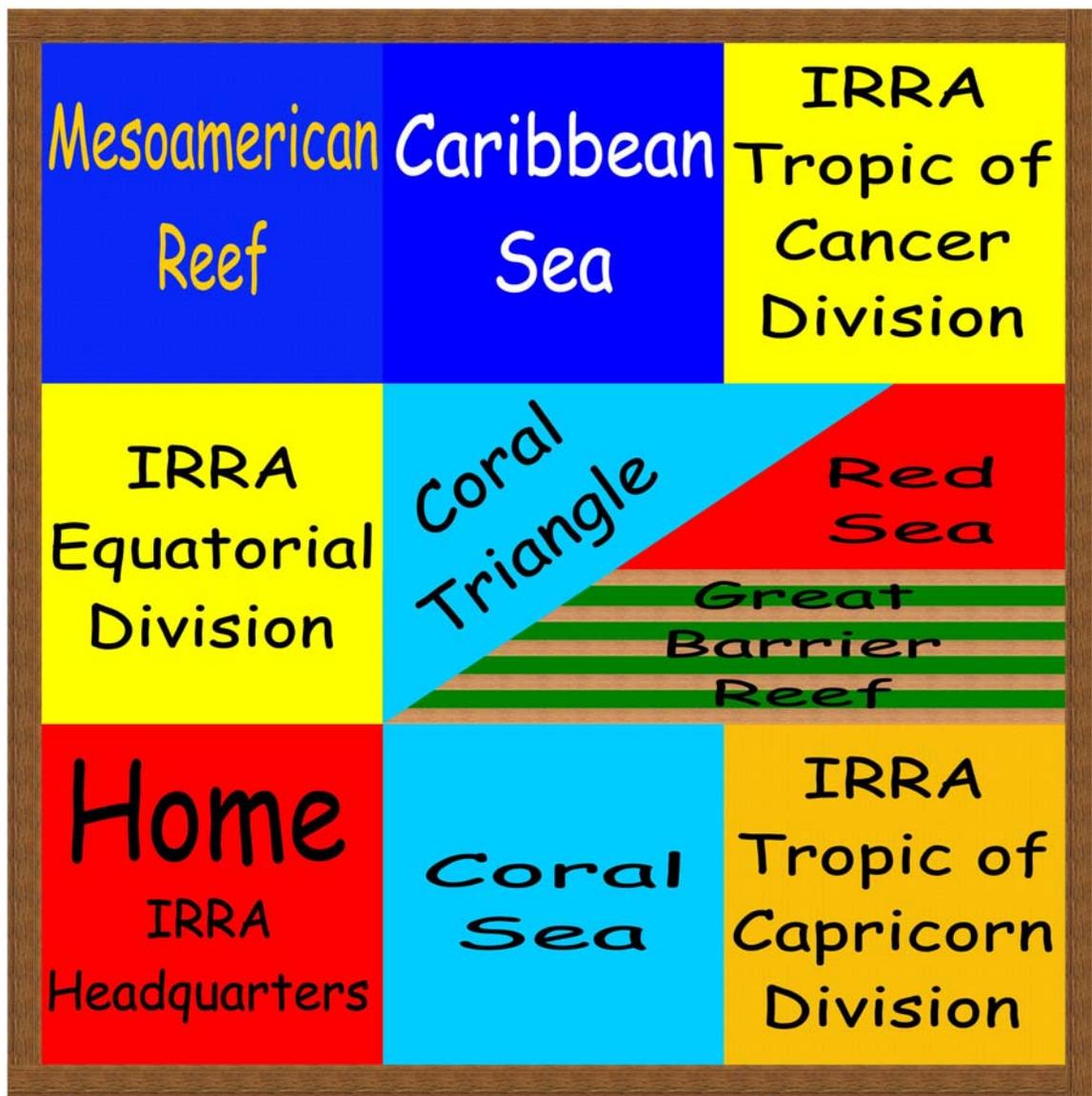
Engineering And Robotics Learned Young

◆ EARLY ◆

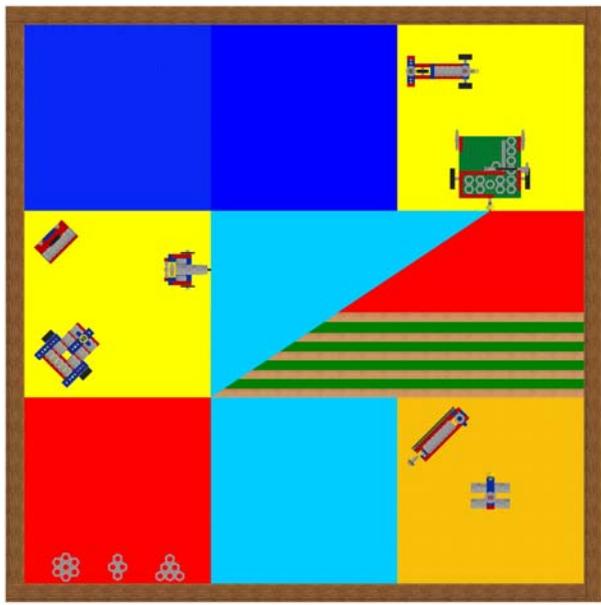
Fall 2007 Robotics Competition Mission Field Details

The Fall 2007 EARLY Robotics Competition mission field, The World, 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.

The World



Fall 2007 EARLY Mission Field



Fall 2007 Mission Model Positions

Field
48" x 48" x 3/8"
plywood

Field Perimeter
2" x 4" boards

Mesoamerican Reef
15" x 15"
3/4" plywood

Caribbean Sea
15" x 15"

Coral Triangle
22 1/2" x 15" triangle

IRRA Equatorial Division
15" x 15"

Coral Sea
15" x 15"

Home IRRA Headquarters
15" x 15"



IRRA Tropic of Cancer Division
15" x 15"

Red Sea
7 1/2" top / 20" bottom
x 8 1/4"

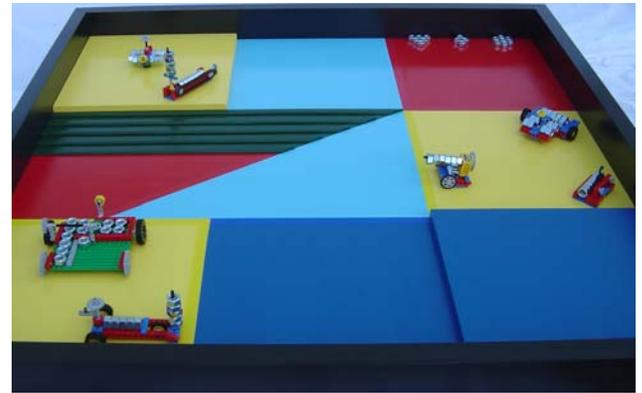
Great Barrier Reef
20" top / 30" bottom
x 6 3/4"
5 strips of
3/4" x 1/4" molding

IRRA Tropic of Capricorn Division
15" x 15"
3/4" plywood

Mission Field Details



View from the Coral Sea



View from the Caribbean Sea



View from the IRRA Equatorial Division



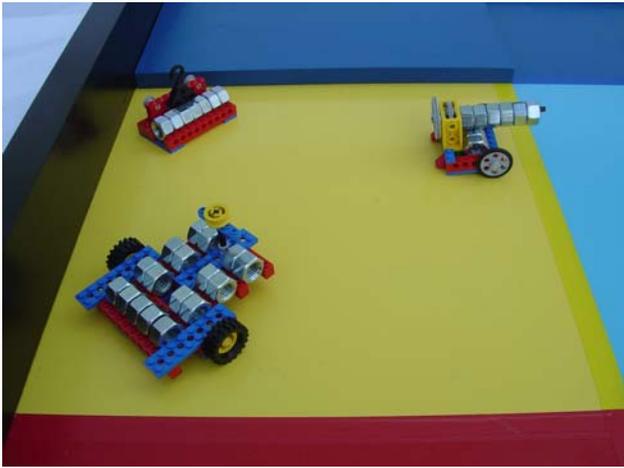
View from the Great Barrier Reef and Red Sea



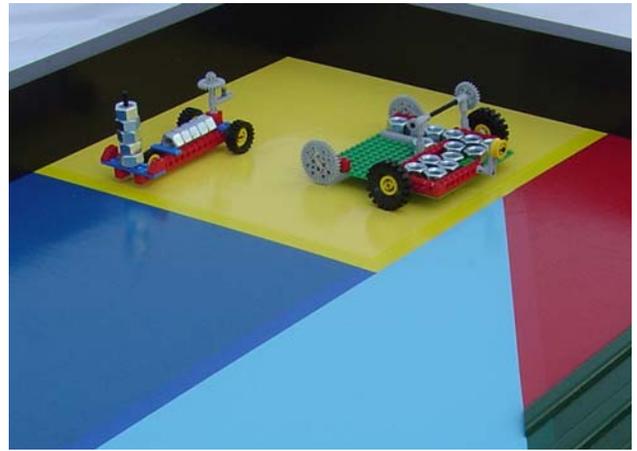
View from Home - IRRA Headquarters



View from Home of the
IRRA Tropic of Capricorn Division



View from Home of the IRRA Equatorial Division



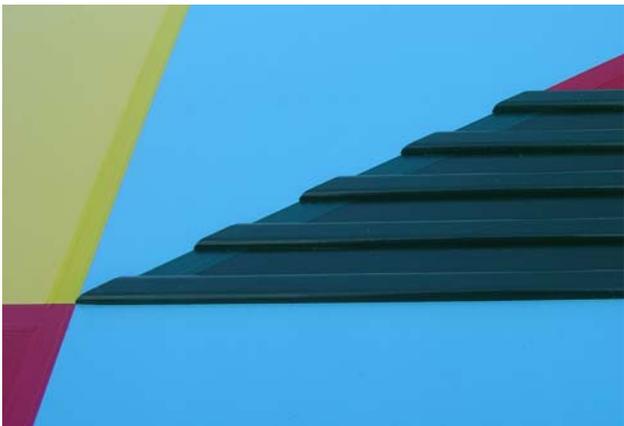
View from Home of the IRRA Tropic of Cancer Division



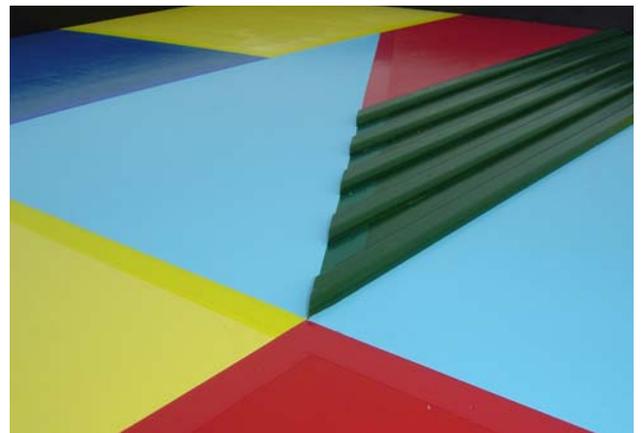
View from the IRRA Equatorial Division of Home - IRRA Headquarters



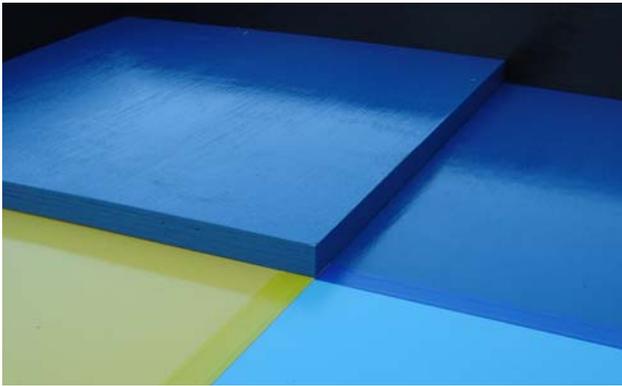
View from the Great Barrier Reef of Home - IRRA Headquarters



Home, IRRA Equatorial Division, Coral Triangle, Great Barrier Reef and Coral Sea intersection



Home, IRRA Equatorial Division, Coral Triangle, Great Barrier Reef and Coral Sea intersection
Fall 2007 Mission Field Details Version 1.0



IRRA Equatorial Division, Mesoamerican Reef, Caribbean Sea, and Coral Triangle intersection



Coral Triangle, Caribbean Sea, IRRA Tropic of Cancer Division, Red Sea, and Great Barrier Reef intersections



Coral Triangle, Red Sea, and Great Barrier Reef intersection



Great Barrier Reef, IRRA Tropic of Capricorn Division, and Coral Sea intersection



Great Barrier Reef intersections



$\frac{3}{4}$ " \times $\frac{1}{4}$ " Molding

- 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 - IRRRA HEADQUARTERS** is a 15" by 15" flat area and is *red*.
- The **IRRRA EQUATORIAL DIVISION** is a 15" by 15" flat area and is *yellow*.
- The **MESOAMERICAN REEF** is a 15" by 15" piece of $\frac{3}{4}$ " plywood and is *blue*. It is positioned against the mission field boundary corner and is fastened to the bottom of the mission field with glue, nails, or screws.
- The **CARIBBEAN SEA** is a 15" by 15" flat area and is *blue*.
- The **IRRRA TROPIC OF CANCER DIVISION** is a 15" by 15" flat area and is *yellow*.
- The **CORAL TRIANGLE** is a triangular flat area and is *light blue*. The side of the triangle adjacent to the **CARIBBEAN SEA** and the **IRRRA TROPIC OF CANCER DIVISION** is $22\frac{1}{2}$ " and the side adjacent to the **IRRRA EQUATORIAL DIVISION** is 15".
- The **RED SEA** is a trapezoidal flat area and is *red*. The side of the trapezoid adjacent to the **IRRRA TROPIC OF CANCER DIVISION** is $7\frac{1}{2}$ ", the side adjacent to the **GREAT BARRIER REEF** is 20", and the side adjacent to the field border is $8\frac{1}{4}$ ".
- The **GREAT BARRIER REEF** is a trapezoidal terrain area and is *green*. The side of the trapezoid adjacent to the **CORAL SEA** and the **IRRRA TROPIC OF CAPRICORN DIVISION** is 30", the side adjacent to the **RED SEA** is 20", and the side adjacent to the field border is $6\frac{3}{4}$ ". The terrain is five strips of $\frac{3}{4}$ " x $\frac{1}{4}$ " screen molding. One strip is placed adjacent to the **CORAL SEA** and the **IRRRA TROPIC OF CAPRICORN DIVISION**, another strip is placed adjacent to the **RED SEA**, and the remaining three strips are spaced equally, approximately $\frac{3}{4}$ ", between these two outer strips. The molding is fastened to the mission field with glue, nails, or screws. The molding can be purchased at Home Depot (part # 927-139).
- The **IRRRA TROPIC OF CAPRICORN DIVISION** is a 15" by 15" piece of $\frac{3}{4}$ " plywood and is *yellow*. It is positioned against the mission field boundary corner and is fastened to the bottom of the mission field with glue, nails, or screws.
- The **CORAL SEA** is a 15" by 15" flat area and is *light blue*.
- The *light blue* color can be made by mixing 1 part blue paint with 1 part white paint.

Please visit the EARLY Neighborhood Forums at www.EARLYrobotics.org or contact Mission.Control@EARLYrobotics.org with any questions or comments.

Thank you for maintaining the spirit of the game!