

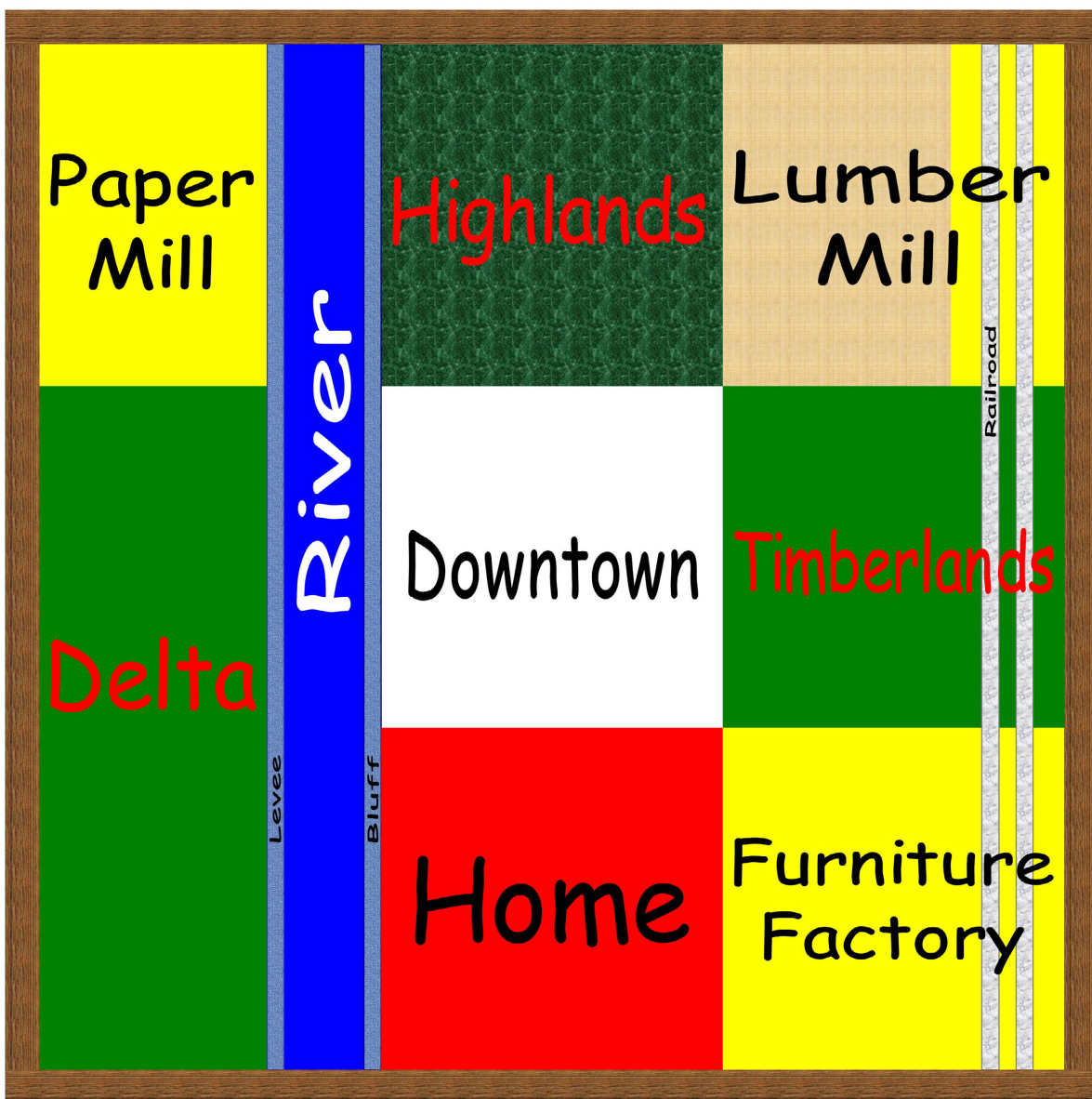
Engineering And Robotics Learned Young

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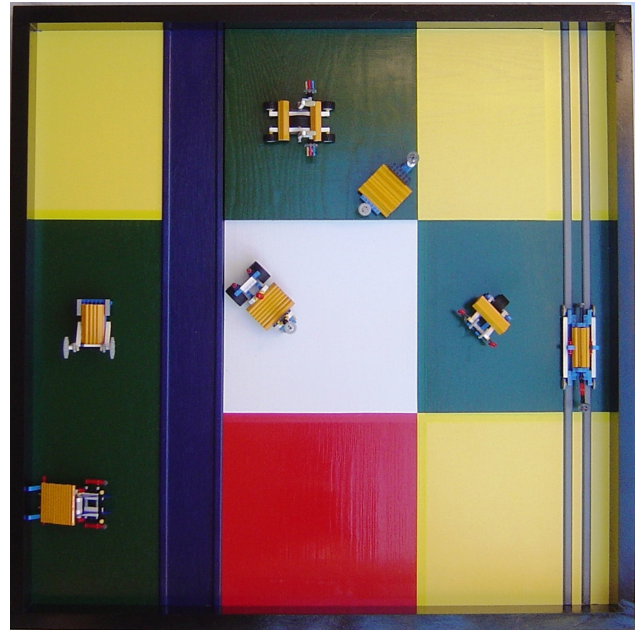
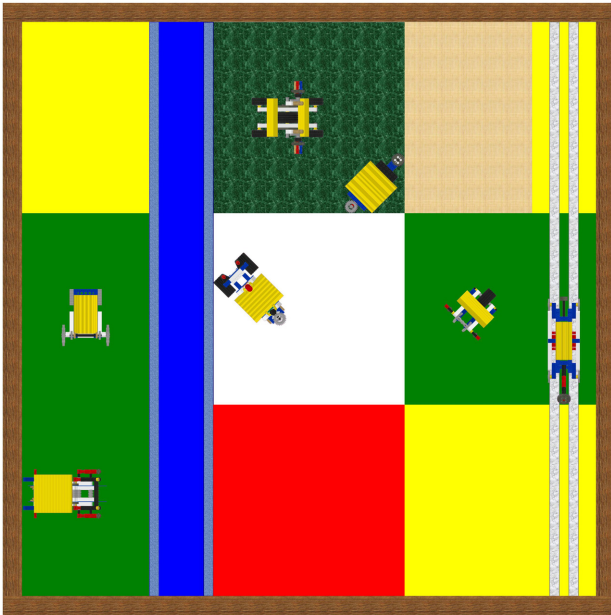
Fall 2010 Robotics Competition Mission Field Details

The Fall 2010 EARLY Robotics Competition mission field, Woodville, 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.

Woodville



Fall 2010 EARLY Mission Field



Fall 2010 Mission Model Positions

Field
48" x 48" x 1/2"
plywood

Field Perimeter
2" x 4" boards

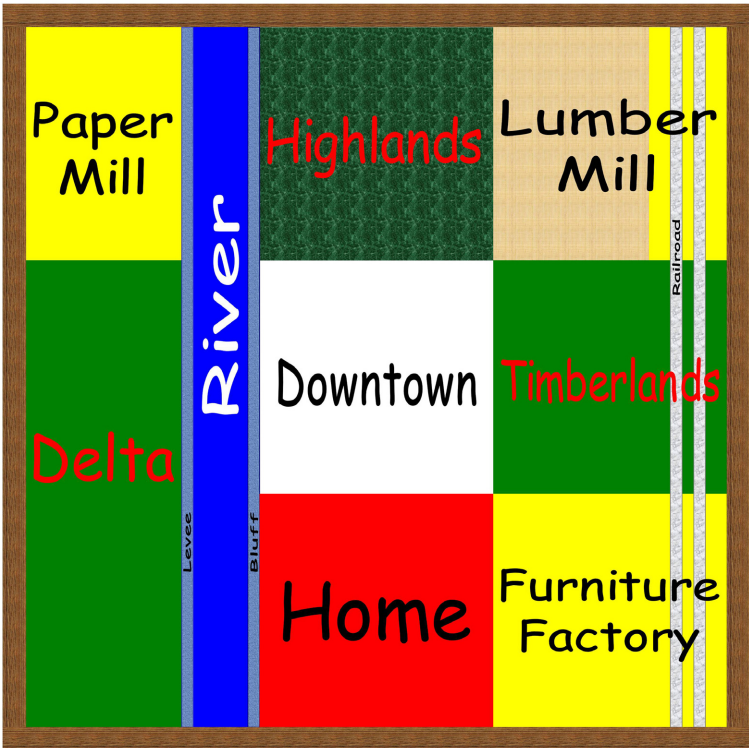
Paper Mill
10" x 15"

Highlands
15" x 15"
3/4" plywood

Delta
10" x 30"

River
5" x 45"
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Levee & Bluff
3/4" x 1/4" molding

Home
15" x 15"



Lumber Mill
15" x 15"
10" x 15" x 3/4" plywood
aligned with left border

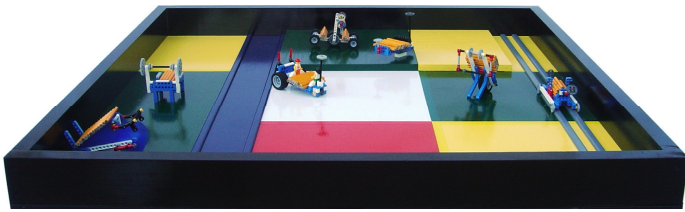
Downtown
15" x 15"

Timberlands
15" x 15"

Railroad
3/4" x 1/4" molding
3/4" separation
centerline 2 1/2" from
right field border

Furniture Factory
15" x 15"

Woodville



View from the HOME



View from the FURNITURE FACTORY



View from the TIMBERLANDS



View from the LUMBER MILL



View from the HIGHLANDS



View from the PAPER MILL



View from the DELTA



View from the DELTA

- 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 **FURNITURE FACTORY** is a 15" by 15" flat area and is **yellow**.
- The **TIMBERLANDS** is a 15" by 15" flat area and is **green**.
- The **LUMBER MILL** is a 15" by 15" area and is **yellow**. The 10" by 15" portion adjacent to the **Highlands** is a piece of $\frac{3}{4}$ " plywood. The plywood is positioned against the mission field boundary and positioned adjacent to the **Highlands** and the **Timberlands** borders; it is fastened to the bottom of the mission field with glue, nails, or screws. The 5" by 15" portion adjacent to the field border is a flat area.
- The **RAILROAD** is two strips of $\frac{3}{4}$ " x $\frac{1}{4}$ " screen molding 45" long and is **gray**. The molding strips are $\frac{3}{4}$ " apart and the centerline of the **RAILROAD** is $2\frac{1}{2}$ " from the field border. 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).
- The **HIGHLANDS** is a 15" by 15" piece of $\frac{3}{4}$ " plywood and is **green**. It is positioned against the mission field boundary and is fastened to the bottom of the mission field with glue, nails, or screws.
- The **PAPER MILL** is a 10" by 15" flat area and is **yellow**.
- The **DELTA** is a 10" by 30" flat area and is **green**.
- The **RIVER** is a 5" by 45" area and is **blue**. The **RIVER** includes the **LEVEE** and **BLUFF** that are $\frac{3}{4}$ " x $\frac{1}{4}$ " screen molding 45" long. 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).
- **DOWNTOWN** is a 15" by 15" flat area and is **white**.
- The **gray** color can be made by mixing 1 part black 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!