

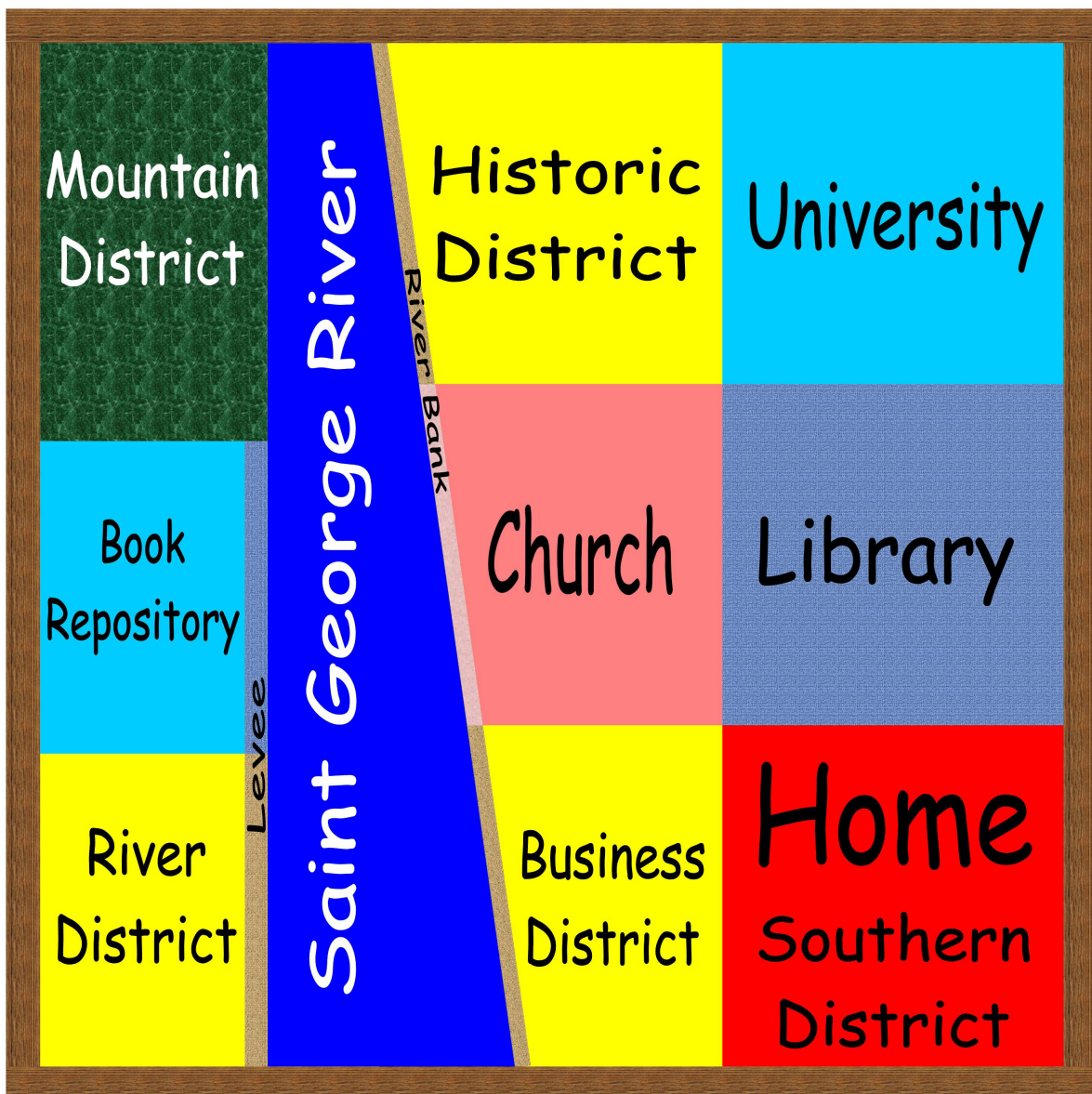
# Engineering And Robotics Learned Young

◆ EARLY ◆

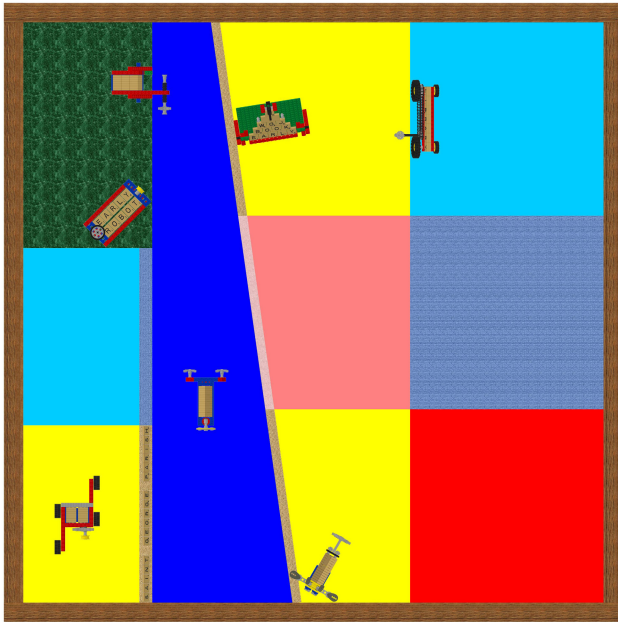
## Spring 2009 Robotics Competition Mission Field Details

The Spring 2009 EARLY Robotics Competition mission field, Saint George Parish, 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.

### Saint George Parish



Spring 2009 EARLY Mission Field



Spring 2009 Mission Model Positions

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

**Field Perimeter**  
2" x 4" boards

**Mountain District**  
10" x 17 1/2"  
3/4" plywood

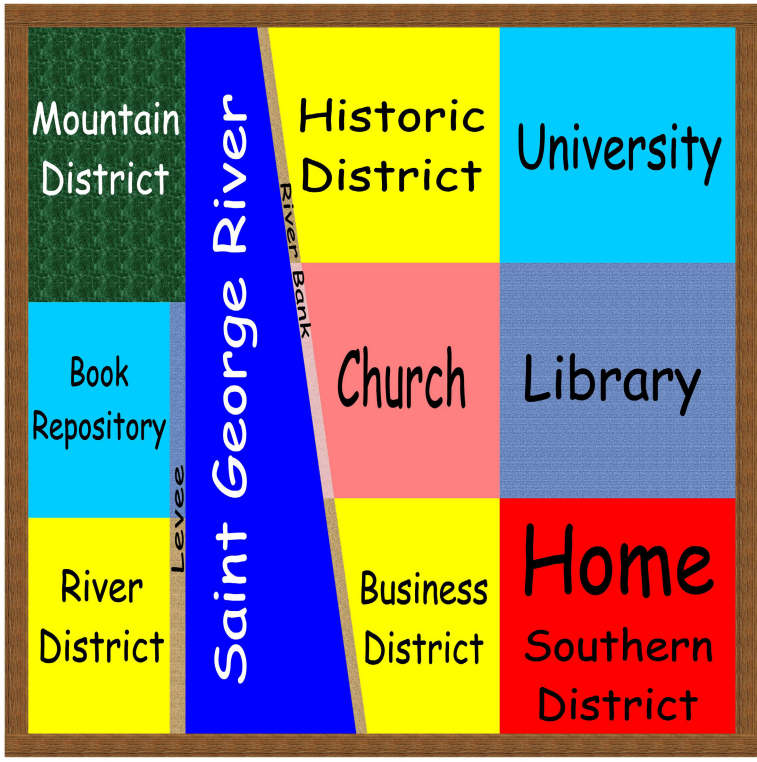
**Book Repository**  
10" x 13 3/4"

**Saint George River**  
5" top / 11" bot x 45"

**Levee**  
4 Scrabble® Tile Racks  
(27 1/2")

**River Bank**  
3/4" x 1/4" molding  
(~45 1/2")

**River District**  
10" x 13 3/4"



**Historic District**  
15" top / 13" bot x 15"

**University**  
15" x 15"

**Church**  
13" top / 11" bot x 15"

**Library**  
15" x 15"  
3/4" plywood

**Business District**  
11" top / 9" bot x 15"

**Home Southern District**  
15" x 15"

Saint George Parish



View from the **BUSINESS DISTRICT**



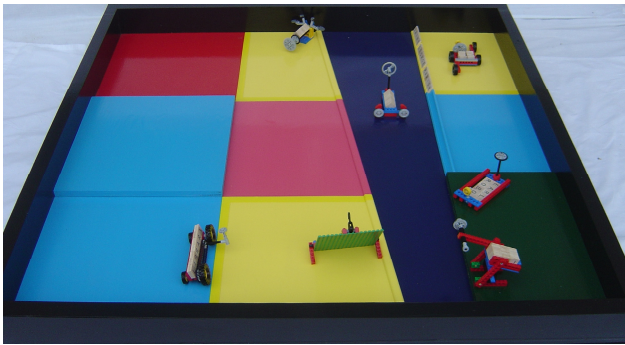
View from the **HOME - SOUTHERN DISTRICT**



View from the **LIBRARY**



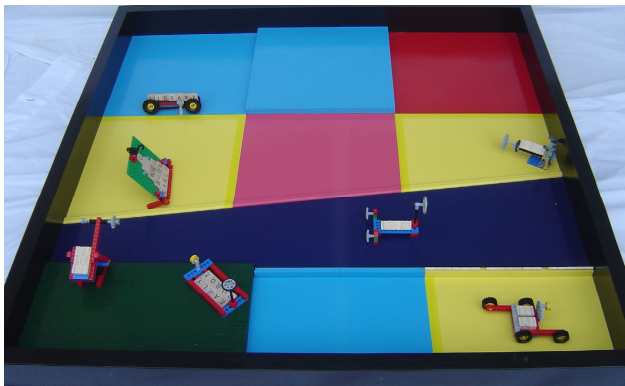
View from the **UNIVERSITY**



View from the **HISTORIC DISTRICT**



View from the **MOUNTAIN DISTRICT**



View from the **BOOK REPOSITORY**



View from the **RIVER DISTRICT**

- 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 - SOUTHERN DISTRICT** is a 15" by 15" flat area and is **red**.
- The **BUSINESS DISTRICT** is a trapezoidal flat area and is **yellow**. The side of the trapezoid adjacent to the **CHURCH** is 11", the side adjacent to the mission field boundary is 9", and the side adjacent to the **HOME - SOUTHERN DISTRICT** is 15".
- The **HISTORIC DISTRICT** is a trapezoidal flat area and is **yellow**. The side of the trapezoid adjacent to the mission field boundary is 15", the side adjacent to the **CHURCH** is 13", and the side adjacent to the **UNIVERSITY** is 15".
- The **RIVER DISTRICT** is a 10" by  $13\frac{3}{4}$ " flat area and is **yellow**.
- The **MOUNTAIN DISTRICT** is a 10" by  $17\frac{1}{2}$ " piece of  $\frac{3}{4}$ " plywood and is **green**. 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 **CHURCH** is a trapezoidal flat area and is **rose**. The side of the trapezoid adjacent to the **HISTORIC DISTRICT** is 13", the side adjacent to the **BUSINESS DISTRICT** is 11", and the side adjacent to the **LIBRARY** is 15".
- The **UNIVERSITY** is a 15" by 15" flat area and is **light blue**.
- The **LIBRARY** is a 15" by 15" piece of  $\frac{3}{4}$ " plywood and is **light blue**. It is positioned against the mission field boundary and is fastened to the bottom of the mission field with glue, nails, or screws.
- The **BOOK REPOSITORY** is a 10" by  $13\frac{3}{4}$ " flat area and is **light blue**.
- The **SAINT GEORGE RIVER** is a trapezoidal flat area and is **blue**. The side adjacent to the upper mission field boundary is 5", the side adjacent to the lower mission field boundary is 11", and the boundary adjacent to the **MOUNTAIN DISTRICT**, **BOOK REPOSITORY**, & **RIVER DISTRICT** is 45".
- The **RIVER BANK** is a strip of  $\frac{3}{4}$ " x  $\frac{1}{4}$ " screen molding approximately  $45\frac{1}{2}$ " long. The **RIVER BANK** is part of the **HISTORIC DISTRICT**, **CHURCH**, & **BUSINESS DISTRICT** and is **yellow** and **rose**. 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 **LEVEE** is four Scrabble® tile racks facing the **SAINT GEORGE RIVER**. The **LEVEE** is part of the **BOOK REPOSITORY**, & **RIVER DISTRICT** and is **light blue** and **yellow**. The racks are fastened to the mission field with glue, nails, or screws. Four racks are included in each Scrabble® game.
- The **light blue** color can be made by mixing 1 part 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](mailto:Mission.Control@EARLYrobotics.org) with any questions or comments.

Thank you for maintaining the spirit of the game!