

Off Season Game



**Grandville
Academic
Team
Boosters**



Introduction

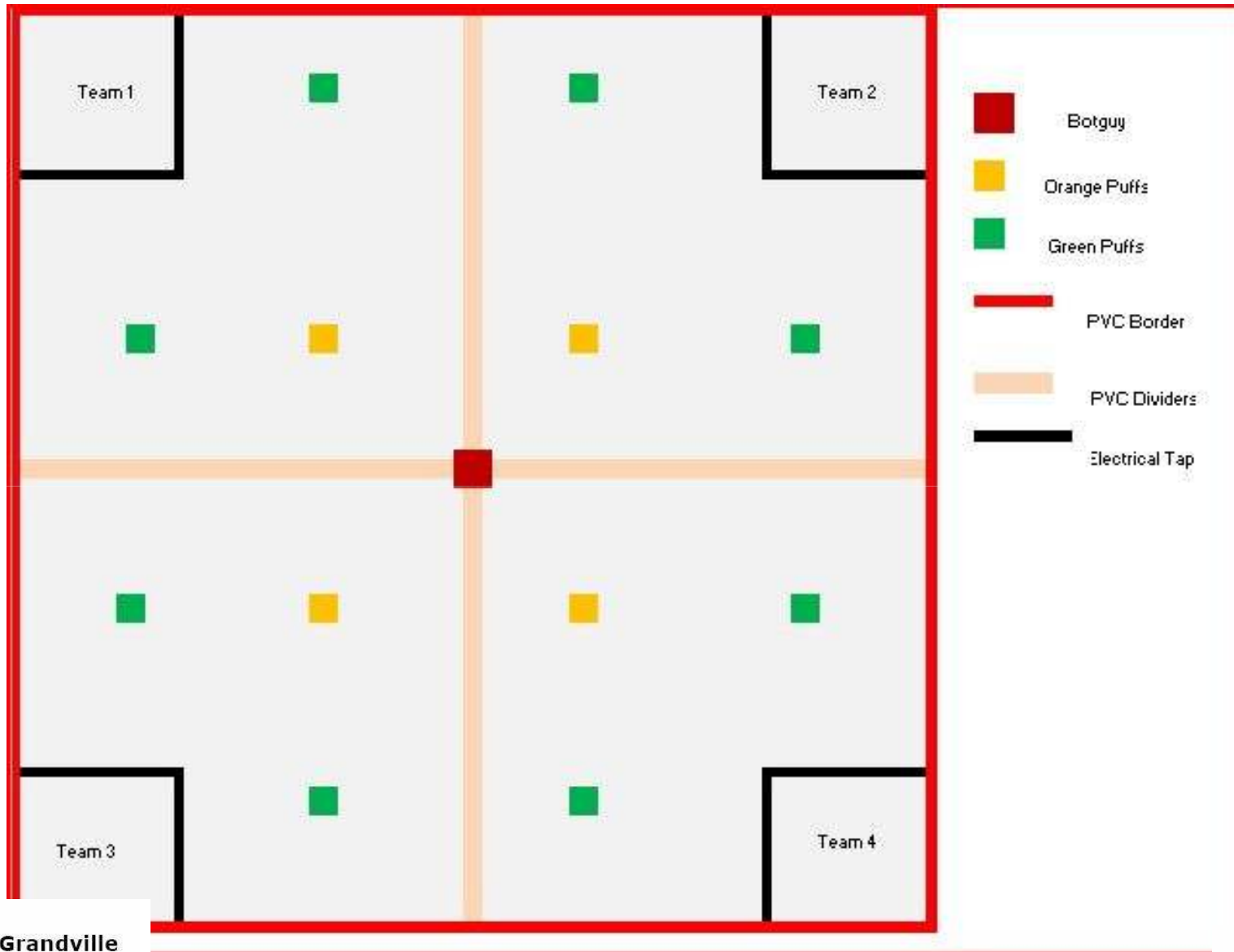
- This is an off season game I created for the Grandville Middle School Botball teams to keep them busy in the summer and teach the new students about programming and basic building concepts. Hopefully some teams will like the idea and use it for their team during the summer time as well.



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The Game



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Information on the game (1)

- Four teams compete against each other.
- The field can be easily constructed from this years game materials (Additional green puffs might be needed though.)
 - The four MDF Fiberglass Reinforced Panels are made into a square using the FRP dividers.
 - PVC surrounds the whole field
 - Starting boxes are 18" x 18"



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Information on the game (2)

- For my scoring items I am using:
 - 1 Botguy
 - 40 green puffs
 - 20 orange puffs.
- Scoring object values in your starting box:
 - Green Puffs -- 1 point
 - Orange Puffs -- 3 points
 - Botguy -- 15 points



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Information on the game (3)

- The placement of these scoring items can be decided by the coach or who ever is in charge. Just make sure not any team has an advantage over the other in point position.
- The game time is 90 seconds long.
- My teams will not be starting by light sensors but teams can do manual if they choose.



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Robot Construction

- Most teams hopefully have at least two CBCs and XBCs in addition with some creates to be able to have 4 teams.
- I would encourage the veteran students not to use the create and build their own custom drive train and allow new students to start on the create.
- There will be no limit on what parts the teams can use, just what ever is available to them.



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Changes to game for more advanced teams

- In every starting box have a different colored piece of paper.
- The teams will be told what color their team corresponds to before the start of the competition.
- Robots will be placed randomly on the field and use cameras seek out their base for scoring.



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Conclusion

- I know that this game is going to basically be a bulldozer robot game, but to encourage students just to have fun and introducing them to Botball, I did not want to make the game to sophisticated.
- **As always suggestions and ideas are always welcome!!**



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