Project Title: Race to the finish!

Grade level: 3rd

Subject areas: math and writing

School: Starlight Park Elementary

Lesson Plan Creator: Rebecca Brinkman

How long will it take for a hermit crab to move through a 2 foot race course?

Students will create and conduct 3 races to record data that will be shared with their peers

|	Monday	Tuesday	Wednesday	Thursday	Friday
Academic Standards:	**3.SL.1 Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 3 topics and texts, building on others' ideas and expressing their own clearly.**	**3.SL.1 Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 3 topics and texts, building on others' ideas and expressing their own clearly.**	**3.MD.B3 Create a scaled picture graph and a scaled bar graph to represent a data set with several categories. Solve oneand two-step "how many more" and "how many less" problems using information presented in scaled bar graphs.**	**3.MD.B3 Create a scaled picture graph and a scaled bar graph to represent a data set with several categories. Solve oneand two-step "how many more" and "how many less" problems using information presented in scaled bar graphs.**	**3.W. 4 Recall information from experiences or gather information from print and digital sources; take brief notes on sources and sort evidence into provided categories.** **3.SL.4 Report on a topic or text, tell a story, or recount an experience with appropriate facts and relevant, descriptive details, speaking clearly at an understandable pace.**
Learning Target	I can create a linear race track that measures 2 feet	I can create a linear race track that measures 2 feet	I can conduct 3 races to record data (using a timer to record how long it takes to reach end of course)	I can create a bar graph to represent data from 3 races	I can create a bar graph to represent data I can retell my experiences from working in a group
Success Criteria	I will use blueprints and materials to create a race track	"I will use blueprints and materials to create a race track	I will use a data recording sheet to record data	I will use my data to represent a bar graph	I will share data with the class and explain findings I will use a reflection sheet to retell my experiences
Guiding Questions	**Can students create a clear blueprint? Can students work cohesively in a group? Is the race track made with correct measurements?**	**Can students create a clear blueprint? Can students work cohesively in a group? Is the race track made with correct measurements?**	**Can students record data clearly and correctly?**	**Can students create a bar graph with their data in the correct form?**	**Can students clearly explain data findings?**

Data Recording Sheet

Race 1	Race 2	Race 3
Race duration:	Race duration:	Race duration:

Data Reflection Questions:

1. Which race took the longest? What were possible causes?
2. What race took the shortest? What were possible causes?
3. Were any of your predictions correct? Explain why or why not.

Group 1 Bar Graphs
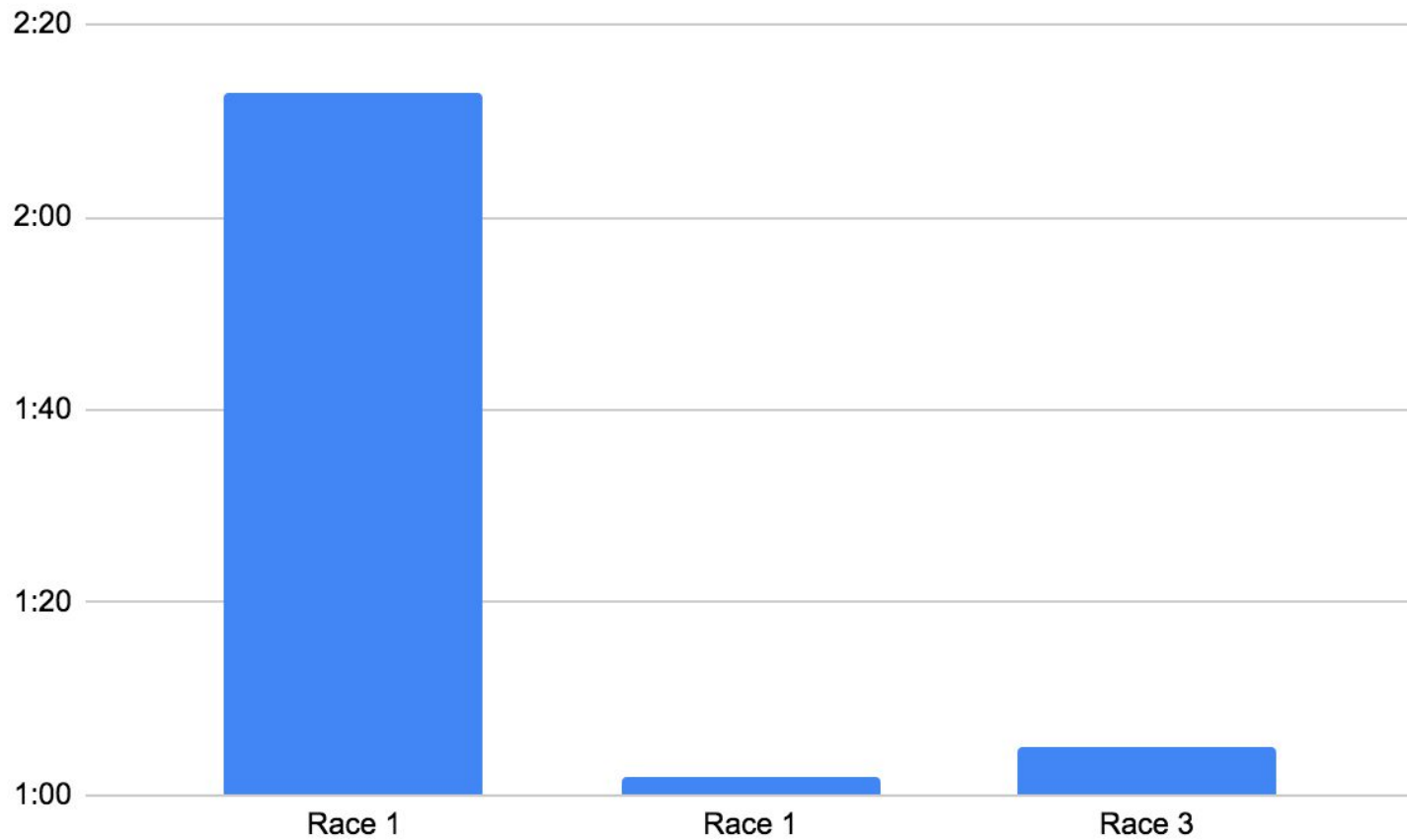
Reflection questions for team:

1. What were strengths my team had?
2. What were some challenges we faced?
3. What was a celebration we had?

Reflection questions for self:

1. How did I contribute to the team?
2. What was my challenge on the team, if any?
3. How did I feel working with this team?