**4.0 Catch Me If You Can**

**GRADES K-2**

**What is the best distance to play catch?**

**Hypothesis: We think \_\_\_\_\_\_\_\_ yards is the best distance to play catch.**

**Experiment: Set-up 5 distances to play catch and collect data.**

|  |  |  |
| --- | --- | --- |
| **Distance** | **Effort****1 (easiest) - 5 (hardest)** | **Observation** |
| **3 yards** |  |  |
| **5 yard** |  |  |
| **10 yards** |  |  |
| **15 yards** |  |  |
| **20 yards** |  |  |

**Analyze:**

1. **Which distance was easiest? Which distance was the hardest?**
2. **Does the ball you used matter?**
3. **What other factors contributed to your findings?**

**Report:**

1. **Look back at your hypothesis, were you correct?**
2. **Based on your experiment, what is the ideal distance to play catch? What factors influenced your answer?**