

# Math PBL



## Wild Weather



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### The Task:

To predict and record the weather for the next week.

### Included Concepts:

- Making predictions with reasons
- Recording data
- Graphing data

### Requirements:



You will need to make predictions, with reasons, to forecast the weather for the next week. Following week record the actual temperature and weather patterns.

Record this data in a graph format (bar, line or graph)

**Challenge:** Make a pie graph showing percentage of rainy days/ dry days or days between certain weather temperatures.

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## Real World Mini Math Project

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### Steps to Take:

1. Make predictions with justification (reasons) for the next week.
2. Record the actual temperature in the table.
3. Create a bar or line graph of the temperatures for the week.
4. Complete the pie graph challenge.
5. Share information with the class.



### Assessment:

Concepts accurately covered	/5
All sections completed to a high standard	/5
On task work ethic	/5
Clearly shows mathematical thinking/working out	/5
Comment:	/20

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# Students Will Love!

# Detailed Student Outline with Concepts & Steps Covered



## Wild Weather



### The Task:

To predict and record the weather for the next week.

### Included Concepts:

- Making predictions with reasons
- Recording data
- Graphing data



### Steps:

1. To make predictions, with reasons, for the next week record the actual weather and weather patterns.

2. Record the actual weather in a table in a graph format (bar, line, or pie chart) showing the weather for every day or days and record the temperatures.

## Real World Mini Math

### Steps to Take:

1. Make predictions with justification (reasons) for the next week. Record the actual temperature in a table.
2. Create a bar or line graph of the temperatures for the week.
3. Complete the pie graph challenge.
4. Share information with the class.

### Assessment:

Can make predictions with justification	/5
Can accurately record data	/5
Can successfully create a bar or line graph including even spacing and labels	/5
Can create a pie graph to show relevant data	/5
Clearly shows mathematical thinking/ working out	/5
Comment:	/20



# Easy to Use Worksheets Included

**Line Graph - Weather**

Temperature

What do you think the weather will be this week?

day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday

What are your reasons for your predictions?

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# Digital & Printable Google Slides Option

**Pie Graph - Weather**  
Create a pie graph

Ideas can include: Percentages of rainfall ie (no rainfall, under 3mm, 3-6mm, 6-10mm, over 10mm)  
Temperature differences  
Percentage of days that are/ have: cloudy, sunshine, rain, snow etc

Key:

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8 - 2 = 6   9 + 1 = 10   7 - 4 = 3   5 + 4 = 9

2 = 3   9 - 4 = 5   10 - 6 = 4   3 + 5 = 8   7 - 3 = 4   6 + 4 = 10

5 - 4 = 1   7 + 2 = 9   10 - 7 = 3   8 - 6 = 2



# Quick Teacher & Self / Peer Assessment

## Assessment

### Mini Math Project: Wild Weather

Concepts accurately covered	/5
All sections completed to a high standard	/5
Clearly shows mathematical thinking/ working out	/5
On task work ethic	/5
Total:	/20

Comment:

1+2=3 9-4=5 10-6=4 8  
2 1+2=3 9-4=5 10-6=4 8  
3 8-6=2 1+2=3 9-4=5 10-6=4 8  
4 10-7=3 8-6=2 1+2=3 9-4=5 10-6=4 8  
5 10-7=3 8-6=2 1+2=3 9-4=5 10-6=4 8  
6 9-4=5 10-6=4 8 10-7=3 8-6=2 1+2=3 9-4=5 10-6=4 8  
7 10-7=3 8-6=2 1+2=3 9-4=5 10-6=4 8  
8 10-7=3 8-6=2 1+2=3 9-4=5 10-6=4 8  
9 10-7=3 8-6=2 1+2=3 9-4=5 10-6=4 8  
10 3+5=8 7-3=4 6+4=10

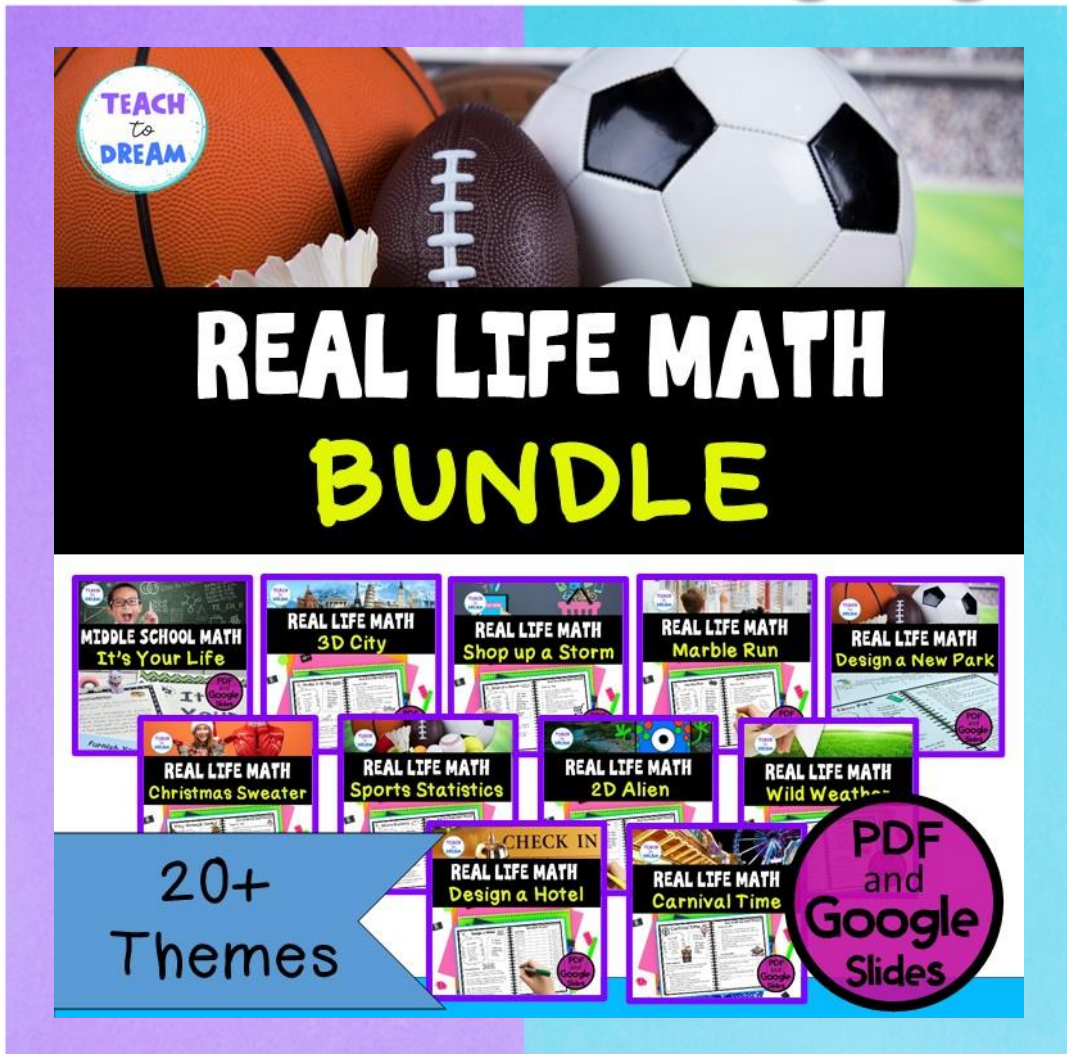
Self/ Peer Assessment:

### Mini Math Project: Wild Weather

Shows mathematical thinking	/5
Easy to follow/ understand	/5
Mathematical concepts are completed accurately	/5
On task work ethic during lessons/ task assignment	/5
Total:	/20

Best part of the project	Ideas for improvement

# Interested in PBL writing Tasks that Engage?



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## REAL LIFE MATH BUNDLE

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It's Your Life

REAL LIFE MATH  
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REAL LIFE MATH  
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REAL LIFE MATH  
Marble Run

REAL LIFE MATH  
Design a New Park

REAL LIFE MATH  
Christmas Sweater

REAL LIFE MATH  
Sports Statistics

REAL LIFE MATH  
2D Alien

REAL LIFE MATH  
Wild Weather

20+ Themes

CHECK IN  
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Design a Hotel

REAL LIFE MATH  
Carnival Time

PDF and Google Slides

The advertisement features a central image of a basketball, a football, and a soccer ball. Below this, the text 'REAL LIFE MATH BUNDLE' is prominently displayed. A collection of ten smaller images shows various math project themes, each with a title and a small '20+ topics' badge. A blue banner on the left indicates '20+ Themes', and a purple circle on the right specifies 'PDF and Google Slides'.

Click to SAVE time & Money.