

# Math PBL

## New Park

### The Task:

To design a brand new and exciting park for your local area

### Requirements:

You will need to design a new park to entertain children in your local area. This might include a skate park, playground, sporting facilities etc.

After you have come up with some ideas and surveyed a small group, you will record the findings in a graph.

You will then make a mini model of the park, including costs, to show the committee at the next local development meeting. How will you make your design stand out?

### Included Concepts:

- Data collection & Graphing
- Scale
- Estimation
- Multiplication

## Real World Mini Math Project

### Steps to Take:

1. Conduct a survey on some ideas you would like for your new park. Record findings in a graph.
2. Use the grid paper to draw and plan the layout for the park.
3. Create a mini model of your park. Use a scale of 1cm = 1m when working out materials.
4. Keep an estimation of the cost of materials.
5. Record your accurate final costs of each section of the park.

### 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

# Students Will Love!

# Detailed Student Outline with Concepts & Steps Covered



## New Park



**The Task:**  
To design a brand new and exciting park for your local area

**Included Concepts:**

- Data collection & Graphing
- Scale
- Estimation
- Multiplication




**Requirements:**

You need to design a new park to entertain children in your local area. This park will include a skate park, playground, etc.

Each group will come up with some ideas and a list of requirements. You will record the requirements in a table.

Each group will create a model of the park, and present it to the committee at the end of the lesson. How will you make it exciting?

next  
mak

## Real World Mini Math

**Steps to Take:**

1. Conduct a survey on some ideas for your new park. Record your findings in a graph.
2. Use the grid paper to draw and plan the layout for the park.
3. Create a mini model of your park. Use a scale of 1cm = 1m when working out the materials.
4. Keep an estimation of the cost of materials.
5. Record your accurate final costs of each section of the park.

**Assessment:**

Can use tallies to collect data on a set topic.	/5
Can record information in an appropriate graph.	/5
Is able to build a model using a set scale	/5
Can successfully use estimation to help keep track of costs.	/5
Can accurately use correct multiplication strategies to work out exact costs.	/5
Comment:	/20



# Easy to Use Worksheets Included

## New Park – Survey



What type of facilities would you like in a new park?  
Ask a small group of people what they would like to see built  
in their local area.



(ie playground)

Tally



## New Park

Estimation for the cost of each section of your park



Section one  
(ie playground)








Section Two

Section Three



# Digital & Printable Google Slides Option

**MATERIAL COSTS FOR NEW PARK  
MINI MODEL**

 <p>Tape \$2 per 5cm (2 inches)</p>	 <p>Glue \$2 per 10 mins</p>	
 <p>Cardboard \$150 per sheet</p>	 <p>Straws \$10 each</p>	 <p>Paper \$100 per sheet</p>
 <p>Cup \$20 per each</p>	 <p>Craft Sticks \$2 each</p>	

# Quick Teacher & Self / Peer Assessment

## Assessment

### Mini Math Project: New Park

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

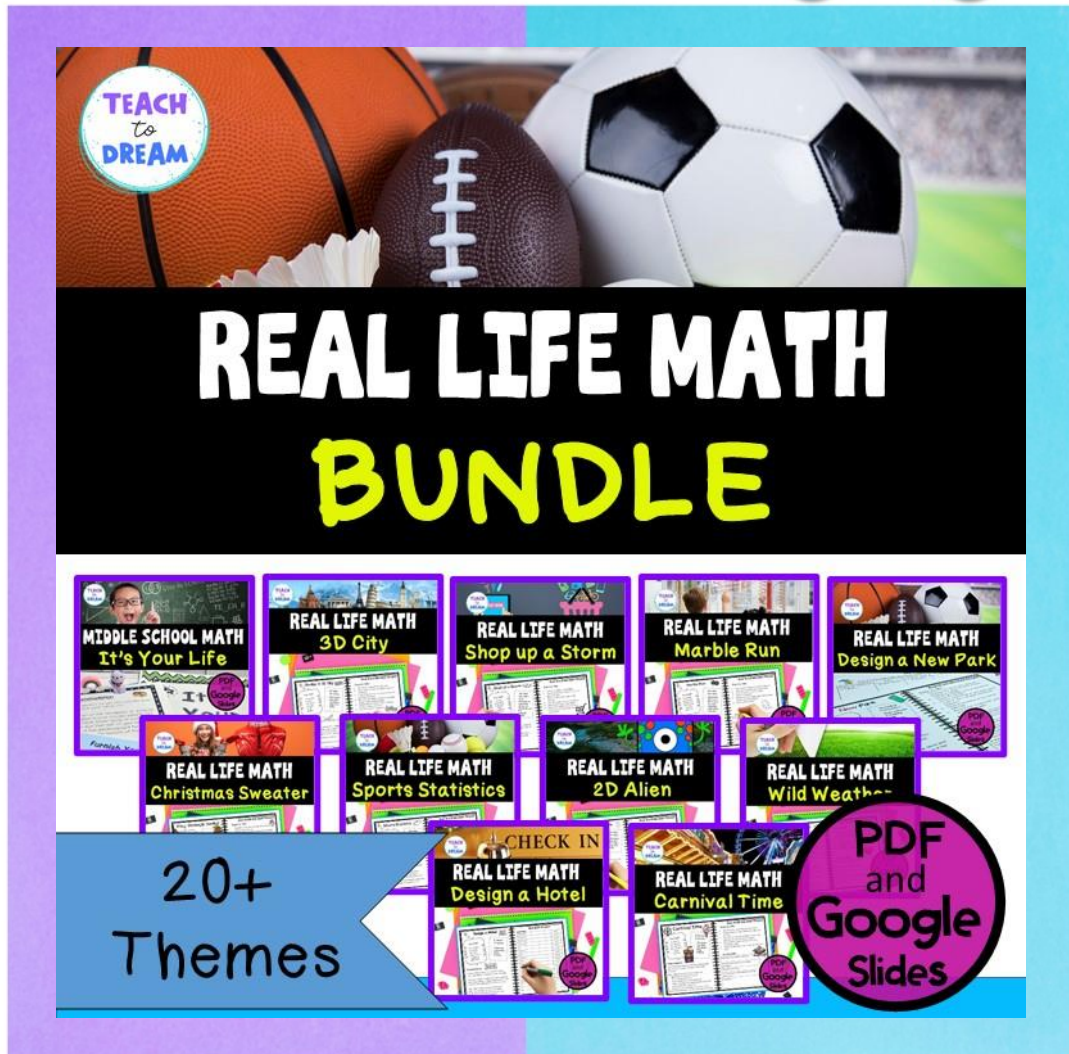
Comment:

### Self/Peer Assessment: Mini Math Project: New Park

Shows mathematical thinking	1 2 3 4 5
Easy to follow/ understand	1 2 3 4 5
Mathematical concepts are completed accurately	1 2 3 4 5
On task work ethic during lessons/ task assignment	1 2 3 4 5
Total:	/20

Best part of the project	Ideas for improvement

# Interested in PBL writing Tasks that Engage?



TEACH to DREAM

## REAL LIFE MATH BUNDLE

MIDDLE SCHOOL MATH  
It's Your Life

REAL LIFE MATH  
3D City

REAL LIFE MATH  
Shop up a Storm

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  
REAL LIFE MATH  
Design a Hotel

REAL LIFE MATH  
Carnival Time

PDF and Google Slides

Click to SAVE time & Money.