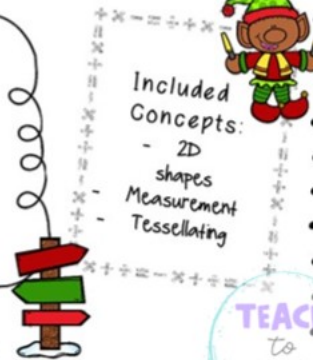


Math PBL

Crazy Christmas Sweater



The Task:
To design a great Christmas sweater using a range of shapes.



Included Concepts:
- 2D shapes
- Measurement
- Tessellating



Requirements:

You will design a new crazy Christmas sweater for a best dressed competition.

The sweater needs to be designed using only 2D shapes.

You will need to include at least 6 different shapes in your design.

Bonus:

Include a tessellating pattern (a shape/s that can repeat without gaps) in your design.



Real World Mini Math Project



Steps to Take:

1. Research and view a range of possible shapes you may use.
2. Sketch a few designs on the mini sweater outlines.
3. Choose the best one to draw on the enlarged version.
4. Record the 2D shapes that you have used.
5. Fill in the number sides of each shape.
6. Record your tessellating pattern if you created one.



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



© Teach to Dream

Students Will Love!

Detailed Student Outline with Concepts & Steps Covered



Crazy Christmas Sweater



The Task:
To design a great Christmas sweater using a range of shapes.

Included Concepts:

- 2D shapes
- Measurement
- Tessellating



Requirements:

- Design a new crazy Christmas sweater for a best dressed competition.
- Sweaters to be designed using only 2D shapes.
- Must include at least 6 different shapes.
- Label each shape (a shape/s) in your design.

Real World Mini Math

Steps to Take:

1. Research and view a range of pictures of Christmas sweaters and shapes you may use.
2. Sketch a few designs on the mini math paper.
3. Choose the best one to draw on the enlarged version.
4. Record the 2D shapes that you have used.
5. Fill in the number of sides for each shape.
6. Record your tessellating pattern if you created one.



Assessment:

Can accurately draw 2D shapes	/5
Can successfully include a range of 2D shapes in the design.	/5
Can accurately label the number of sides	/5
Bonus - uses a tessellating pattern correctly	/5
Comment:	

Easy to Use Worksheets Included

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

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

3 = 0 + 3

Sketch of Each 2D shape used

Shapes name:
Number of sides:

Shapes name:
Number of sides:

SAMPLE DESIGN OPTIONS
Create 4 different designs

Digital & Printable Google Slides Option



Quick Teacher & Self / Peer Assessment

Assessment

Mini Math Project: Crazy Christmas Sweater

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:

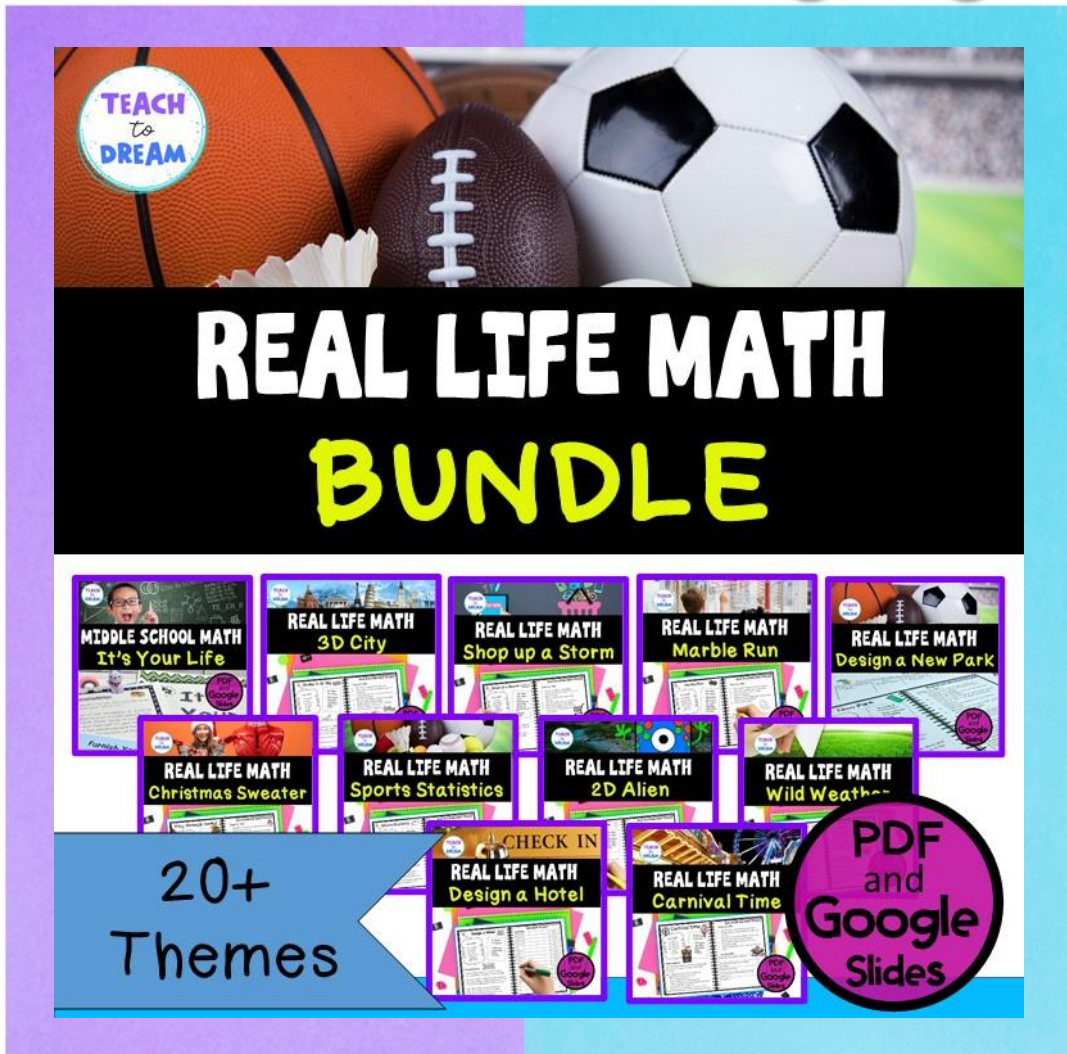
Self/ Peer Assessment:

Mini Math Project: Crazy Christmas Sweater

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

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+ tasks' badge. A blue banner on the left indicates '20+ Themes', and a purple circle on the right specifies 'PDF and Google Slides'. A 'CHECK IN' badge is also present over one of the project thumbnails.

Click to SAVE time & Money.