

## PolygonPat Gets Ready for PolySchool. Work Book1a

Stick your details in here in case you get lost or you lose this and someone has to return you or this work book to school.

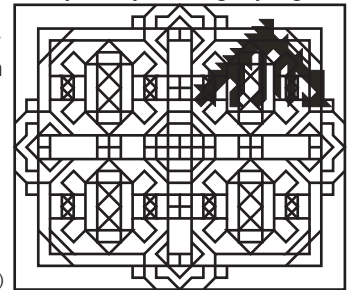
Name.....

Classroom.....

School.....

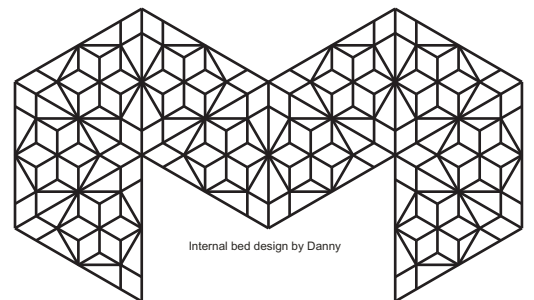
My PolyRific school day adventures began when I had to get ready to go to school. Yawning and opening one eye I wearily looked outside to see what the day would bring. It was a perfect sunny day. In my mind all the better for lazing in bed and watching the sun stream through the window. Knowing I had to get up and get ready for school I wearily braced myself by sticking my big toe

out in the hope the rest of my body might join it. But I think my big toe liked it better underneath my PolyQuilt because it came back under very very fast. Even my dog PolyBowWow wasn't moving from on top of my PolyQuilt. So instead of getting ready to go to school, I just snuggled up underneath my beautiful PolyQuilt (designed by Adrian)



daydreaming and quietly lying in my Pentagonal Dipyramid bed, not moving at all.

What do you think of my awesome bed?



Internal bed design by Danny

Suddenly mum's voice echoed from the corridor, "PolygonPat, if you don't get up this instant I am going to have to come and tickle you until your sides burst from laughing". I was certain that mum would do it. **"Up and at 'em and don't forget to make your bed"** mum yelled out. "OK. Mum". Firstly, I had to sort out my PolyQuilt and PolyBowWow before I could even try and make my bed.

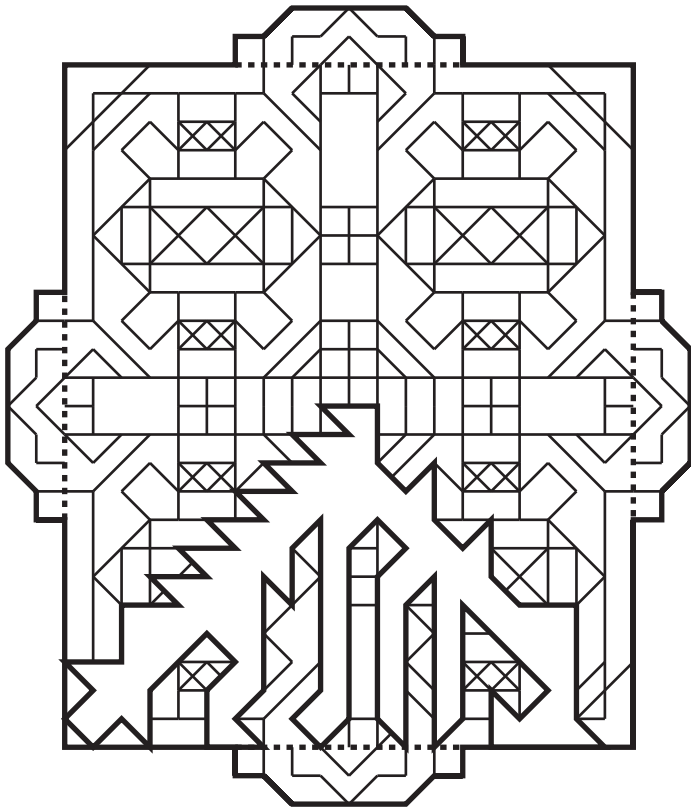
**"PolyBowWow move it !!!!!!!".**

I have really lost it now. Can you please help me to make my bed, get dressed and get ready for PolySchool?



PolyBowWow design and idea by Boots

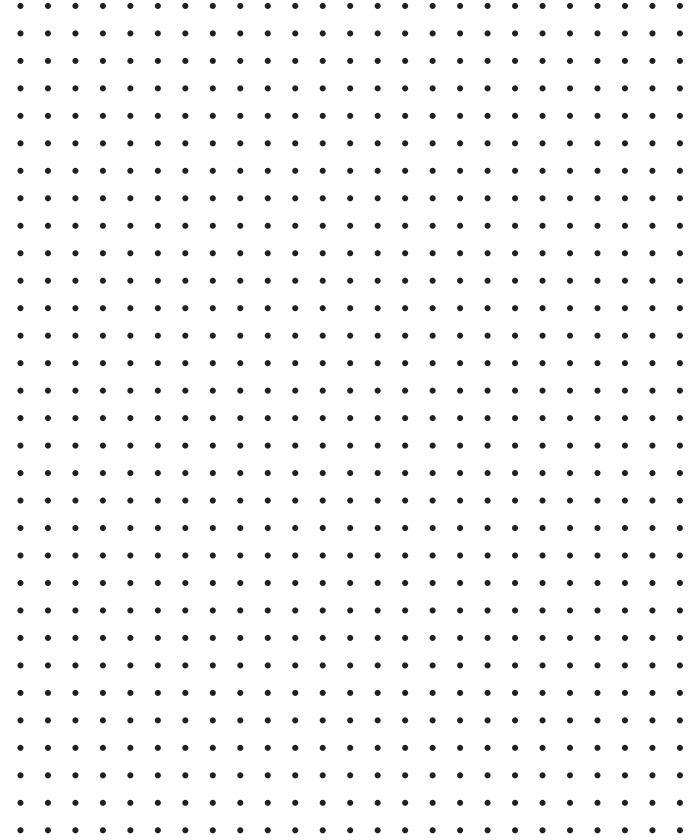
## PolygonPat's PolyBed PolyQuilt



Before you do this activity you may want to either, photocopy/enlarge this drawing, or download it from the internet at [www.polygonpat.com/workbook1apolyquilt](http://www.polygonpat.com/workbook1apolyquilt)

See if you can guess the colours of my quilt by colouring in its pattern. Then carefully cut around the outside edge. Carefully fold all the dotted lines backwards to form legs to raise the quilt up off the table. Don't forget about PolyBowWow.

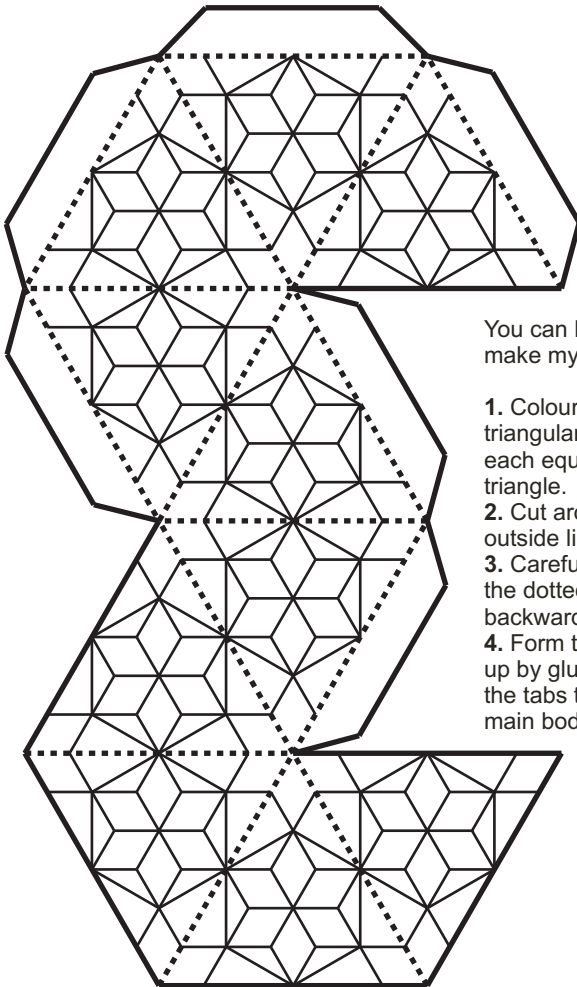
## PolygonPat's PolyBed PolyQuilt Grid



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How about designing a quilt for one of your friends or the person you sit next to at school and really make their day? You can design a quilt by joining the dots together using basic right angled triangles, squares or rectangular shapes to form a pattern. Colour in your finished design.

## PolygonPat's Pentagonal Dipyramid Bed



You can help me to make my bed by:-

1. Colouring in the triangular shapes in each equilateral triangle.
2. Cut around the outside line, then,
3. Carefully fold all the dotted lines backwards.
4. Form the shape up by glueing all the tabs to the main body.



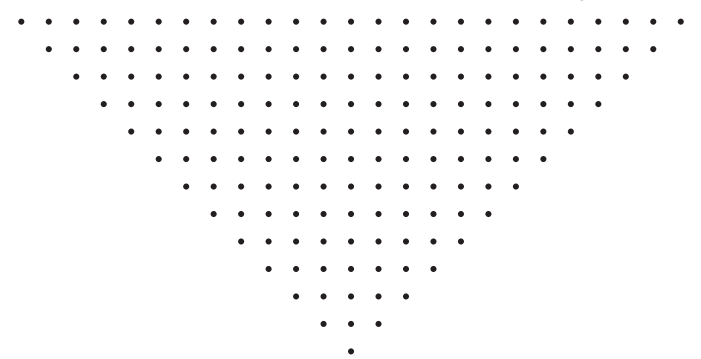
Before you do this activity you may want to either, photocopy/enlarge this drawing, or download it from the internet at

Best enlarged onto A3 size paper [www.polygonpat.com/workbook1apentagonaldipyramidbed](http://www.polygonpat.com/workbook1apentagonaldipyramidbed)

## PolygonPat Takes a Shower

Thanks for helping me out with the bed stuff. Unfortunately now that I am out of bed I have to pop into the shower. But on the upside showering is always fun. Why? Because I can stand under the water and I can't hear mum yelling at me to get out. Hey, do you like my PolyShower maze? It is called an Ashleen maze and was designed by two girls in my class. Awesome!

The best bit besides not being able to hear mum yell at me for taking my time is what I like to call the slippery maze dance. What is that you may ask? Well because the maze is on the bottom of the shower I can push the soap around with my foot and try to stop the soap going down the plug hole. The only problem is it can get quite slippery down there and I have to be careful I don't slip and fall over while I am tracing the soap through the maze. Time has really raced around the clock. Once again I am running late. Looks like I have been mucking around too much in the shower again, instead of getting ready to go to school. I am really going to be late now. This time mum isn't yelling, she is banging loudly on the door! I grab my triangular towelrific teranadol towel and I dry as fast as greased lightning. Want to have a go at designing a triangular towelrific teranadol towel?

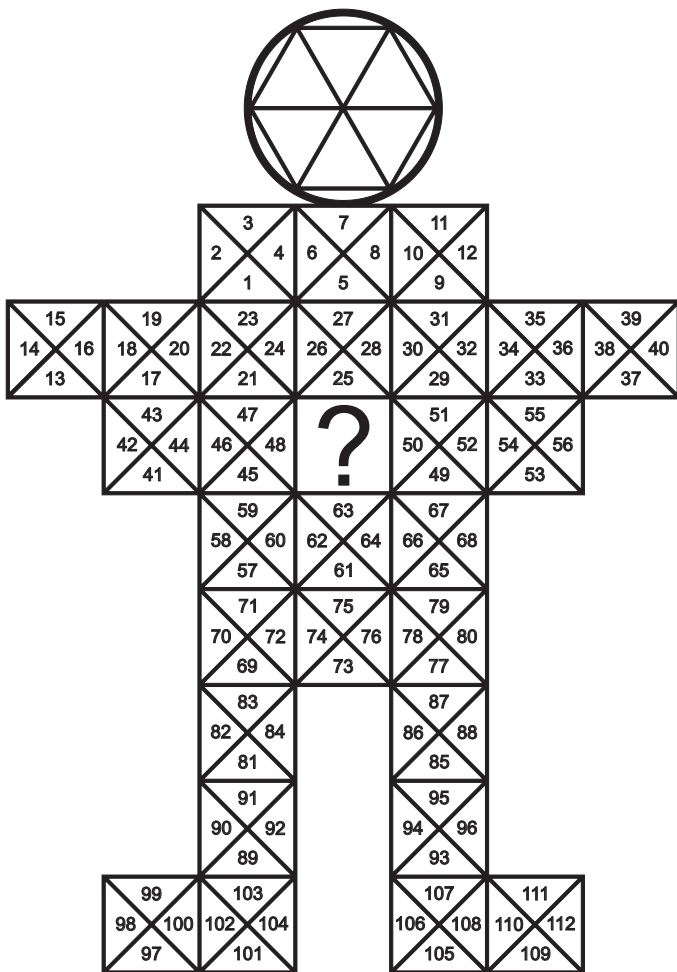


Then have a go by joining the dots together using basic right angled triangles, squares or rectangular shapes to form a pattern. Colour in your finished design.

Now I have to tackle the problem of getting dressed. This is going to be a complicated exercise, trust me.

## PolygonPat Gets Dressed 1

It's going to be a no uniform day at school today. It's the annual PolyDressUp day. I have decided to dress up as an Odds and Evens PolyNumber person. Can you please help me to get dressed by selecting and colouring in the correct isosceles triangles and numbers from my wardrobe. Mum has put a list up on the door so I don't get confused, but I still get into a muddle sometimes. (you will find the clothing list on the next page, Page 12).



## PolygonPat's Clothing List

FROM THE LIST OF RANDOM NUMBERS LOCATED ON THE LEFT HAND SIDE OF EACH COLUMN YOU NEED TO CROSS OUT ALL THE ODD NUMBERS AS SHOWN IN THE FIRST TWO EXAMPLES.

|                   |         |         |          |
|-------------------|---------|---------|----------|
| <del>1 E T1</del> | 0 E T29 | 2 E T57 | 2 E T85  |
| <del>3 E T2</del> | 3 E T30 | 9 E T58 | 4 E T86  |
| 4 E T3            | 1 E T31 | 4 E T59 | 7 E T87  |
| 0 E T4            | 2 E T32 | 5 E T60 | 6 E T88  |
| 0 E T5            | 4 E T33 | 7 E T61 | 8 E T89  |
| 3 E T6            | 6 E T34 | 5 E T62 | 0 E T90  |
| 7 E T7            | 1 E T35 | 8 E T63 | 1 E T91  |
| 4 E T8            | 3 E T36 | 4 E T64 | 5 E T92  |
| 2 E T9            | 2 E T37 | 6 E T65 | 4 E T93  |
| 4 E T10           | 3 E T38 | 7 E T66 | 3 E T94  |
| 1 E T11           | 7 E T39 | 1 E T67 | 2 E T95  |
| 9 E T12           | 6 E T40 | 4 E T68 | 5 E T96  |
| 3 E T13           | 0 E T41 | 9 E T69 | 4 E T97  |
| 4 E T14           | 8 E T42 | 0 E T70 | 8 E T98  |
| 0 E T15           | 5 E T43 | 2 E T71 | 9 E T99  |
| 7 E T16           | 3 E T44 | 4 E T72 | 7 E T100 |
| 2 E T17           | 5 E T45 | 2 E T73 | 1 E T101 |
| 8 E T18           | 6 E T46 | 1 E T74 | 6 E T102 |
| 9 E T19           | 2 E T47 | 9 E T75 | 2 E T103 |
| 1 E T20           | 1 E T48 | 8 E T76 | 9 E T104 |
| 3 E T21           | 8 E T49 | 5 E T77 | 3 E T105 |
| 2 E T22           | 1 E T50 | 7 E T78 | 6 E T106 |
| 4 E T23           | 3 E T51 | 0 E T79 | 4 E T107 |
| 9 E T24           | 2 E T52 | 6 E T80 | 9 E T108 |
| 3 E T25           | 4 E T53 | 2 E T81 | 1 E T109 |
| 5 E T26           | 6 E T54 | 5 E T82 | 3 E T110 |
| 2 E T27           | 5 E T55 | 3 E T83 | 8 E T111 |
| 8 E T28           | 7 E T56 | 4 E T84 | 4 E T112 |

### NOW

- Go back to the start and find the first "E" (even number) that has not been crossed out.
- Now move your pencil across to the "T" (triangle number).
- The number next to the "T" is the first triangle you need to colour in on PolygonPats clothing.
- Now move down to the next "E" (even number) that has not been crossed out and move your pencil across to the "T" (triangle number) to find the next number to colour in on PAT'S clothing.
- Keep going till you reach the end of the list.

When you have finished making your selection you can then colour in my outfit to correspond with your selection to see what I look like. (you will find me on the previous page, Page 11).

## PolygonPat's PolyPlate

Its feed time at the zoo. But I deffo do not feel like eating. I do not like doing breakfast and I am in a rush. I know its the most important meal of the day. But rather than hear mum say once more "no breakfast, no brains PolygonPat" I eat as much as I can.

Also I enjoy seeing the bottom of my plate. It's my favourite PolyPlate. It was designed by Haley from school and glazed by our art teacher. Haley is real clever at art.

Once I am nearly to the bottom of the plate I slow down. I like to peek and imagine which bit of food I can eat so I can expose the best colour and design on the bottom. Its fun. I like making swirls with my food in what I call my magical PolyPlate. See if you can guess the colours I like by colouring in the plate design.

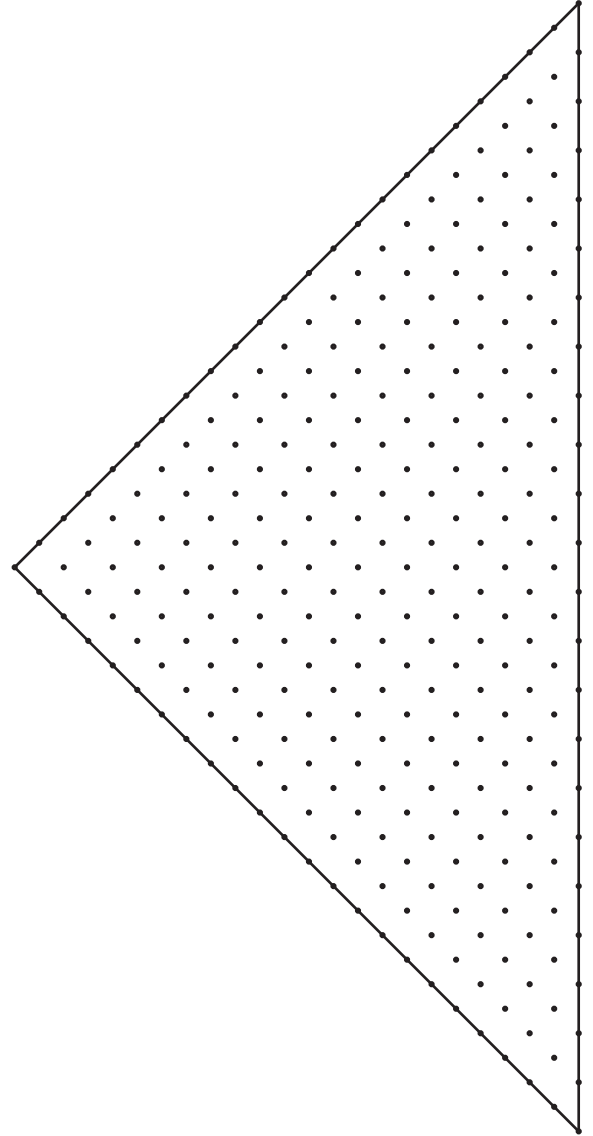


Before you do this activity you may want to either, photocopy/enlarge this drawing, or download it from the internet at [www.polygonpat.com/workbook1aplate](http://www.polygonpat.com/workbook1aplate)

After you have finished colouring in the plate cut around the outside and paste onto a paper plate.

Page 13.

## PolygonPat's PolyPlate Grid



Want to have a go at designing your own PolyPlate from one of the two isosceles triangles needed for the plate centre? Then, join the dots together using basic right angled triangles, squares or rectangular shapes to form a symmetrical pattern. Colour in your finished design.

Then photocopy your design, cut around the outside, rotate it and place against this existing design, so that you end up with a square. You can now see how your finished design would look like as a plate centre.

Page 14.

## PolygonPat's PolyRoad Maze

Thank you for visiting me at home and helping me out. As you can see it has been a PolyRific day right from the start.

Hmmmmmmmmmm. My mum knows that I like to dawdle when I have to get ready to go to school. Finally out of frustration mum has thrown her hands up in the air and yelled. "Well, once again PolygonPat I will have to drive you". I am late for school again. Now there is one thing about my mum that I forgot to tell you. She is not so great on directions, so every time she drives me to school we always seem to get lost. Because my teacher was getting annoyed at always hearing the same late excuse of why we got lost, she got the class to design a school map from our house to the school. Now if you want to visit my PolySchool and see what goes on there you will need this map. This amazing PolyMap was done by kids at my school. If you get lost don't blame me. If you want to design your own amazing PolyMap road maze have a go below by joining the dots together. Remember to have a start and finish.

