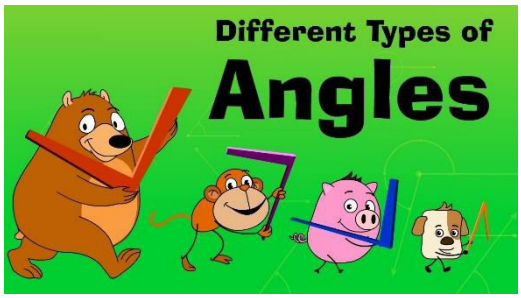


6.07.20 Y5 Maths Home Learning:

Angles and 3D Shape

Hi Year 5,

For the next two weeks, your new maths topic is Angles and 3D shape. This is a new topic, so we have researched some great videos for you to watch, to help you to complete the question booklet. Below is a list of clips from YouTube, BBC Bitesize and other websites. We have included some songs and raps about shapes, which we know some of you will love!

Each day, try to do some reading / watch a video then complete at least one task. There are lots of activities to choose from, you don't need to complete all of them but obviously you can if you want to. There are sheets from Classroom secrets, so make sure you choose the correct level for you – developing, expected or greater depth. For some of the work a protractor would be beneficial but is not essential.

This is your last home learning pack before the summer holidays. You will not receive any more learning packs but it would be great if you kept up with your times tables practise over the holidays!

Don't forget, you can email us with any questions you have.

Have fun!

From Miss Johnson, Mrs Cashmore and Mrs Williams.

Geometry: what you need to learn in year 5:

- Identify 3-D shapes, including cubes and other cuboids, from 2-D representations.
- Know angles are measured in degree and estimate and compare acute, obtuse and reflex angles.
- Identify and describe the properties of 2D shapes: language; length of lines; angles; and symmetry.

Year 5 6.07.20

- Draw given angles and measure them in degrees (˚) and identify: angles at a point and one whole turn (total 360˚); angles at a point on a straight line and 1/2 a turn (total 180˚); other multiples of 90˚.
- Use the properties of rectangles to deduce related facts and find missing lengths and angles.
- Distinguish between regular and irregular polygons based on reasoning about equal sides and angles.

Videos you could watch to help you learn about angles and shapes:

Angles (Try to watch these in this order)

https://www.bbc.co.uk/bitesize/topics/zb6tyrd/articles/zg68k7h

https://www.youtube.com/watch?v=2JSk0DC5q4g

https://www.youtube.com/watch?v=_n3KZR1DSEo

https://www.youtube.com/watch?v=DGKwdHMiqCg

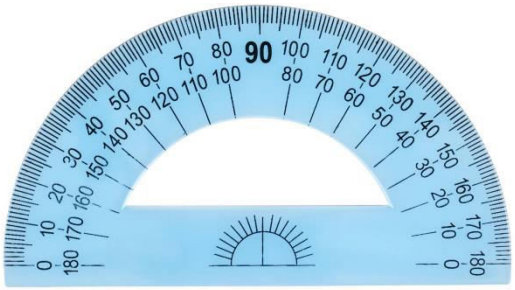
https://www.youtube.com/watch?v=3QRRdAaLZBA

https://www.youtube.com/watch?v=ABgR-QaMrSU

https://www.youtube.com/watch?v=QjwbvNdUSTk

https://www.youtube.com/watch?v=7MT5kZQpfVU

https://www.youtube.com/watch?v=f7qxRMHttRk



2D Shape (A reminder, to help with discussing the 3D shape faces)

https://www.bbc.co.uk/bitesize/topics/zjv39j6/articles/ztpwdmn

https://www.bbc.co.uk/bitesize/topics/zvmxsbk/articles/z98n4qt

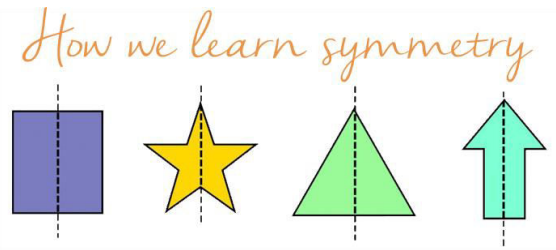
https://www.youtube.com/watch?v=IaoZhhx_I9s

Symmetry

https://www.bbc.co.uk/bitesize/topics/zrhp34j/articles/z8t72p3

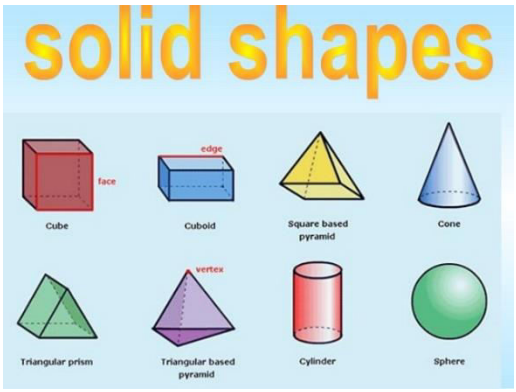
https://www.youtube.com/watch?v=YFzktJNmnPU

https://www.youtube.com/watch?v=VuxxoZ8dsg0



Year 5 6.07.20

3D shape and Nets



https://www.bbc.co.uk/bitesize/topics/zjv39j6/articles/zcsjqty

https://www.bbc.co.uk/bitesize/topics/zjv39j6/articles/zgqpk2p

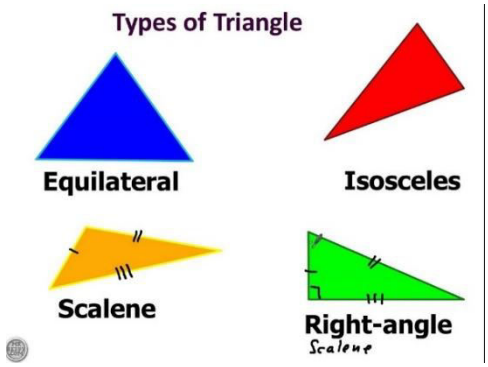
https://www.youtube.com/watch?v=3nLpD6bE4fE

https://www.youtube.com/watch?v=uVg-hvZhzUY

https://www.bbc.co.uk/bitesize/topics/zt7xk2p/articles/z247tv4

https://www.youtube.com/watch?v=0Brhus7jiw4

Triangles



https://www.bbc.co.uk/bitesize/topics/zvmxsbk/articles/zggsfrd

https://www.youtube.com/watch?v=oQeK4LyKLHw

https://www.youtube.com/watch?v=mLeNaZcy-hE

Shape songs and raps

https://www.youtube.com/watch?v=NVuMULQjb3o

https://www.youtube.com/watch?v=WMkY_uIku9Q

https://www.youtube.com/watch?v=ZnZYK83utu0

https://www.youtube.com/watch?v=2cg-Uc556-Q

https://www.youtube.com/watch?v=zI3rUMrRLF8

https://www.youtube.com/watch?v=JQUTVgT9RXY

https://www.youtube.com/watch?v=yNH8GDyCMto

https://www.youtube.com/watch?v=SJlhywRfvh8

Some useful information for your families can be found here:

https://www.theschoolrun.com/what-are-degrees

https://www.theschoolrun.com/what-are-the-properties-of-2d-and-3d-shapes

https://www.theschoolrun.com/what-is-symmetry

We hope you have fun and enjoy your new learning – good luck!