



Please record your learning in your Home Learning book.

Year 4 - Space and Aviation

13th July – 19th July

Soaring Skies Federation



Values

PSHCE – Changes

Write a definition for change.

What types of changes have you come across?

Have they been little changes or big changes?

List the changes you have experienced under the headings 'little changes' 'big changes'

Discuss how different changes made you feel. Did the feeling change depending on the situation?

Daily Activities:

Handwriting - write a section of the Poem of the Week each day using cursive handwriting.

Timetables - 8, 9 and 12 times tables. Work on your bronze, silver or gold award. **Login to [timestables.co.uk](https://www.timestables.co.uk) to practise.** Challenge yourselves with the speed tests!

Reading - Read aloud for 20 minutes each day

Spellings – Memorise and use each word in a sentence.

Useful websites

<https://www.educationcity.com/>

<https://www.timestables.co.uk>

<https://home.oxfordowl.co.uk/books/free-ebooks/>

<https://www.twinkl.co.uk/sign-in>

<https://whiterosemaths.com/homelearning/>

<https://schools.duolingo.com/>

Key Question:

How have creative people been inspired by space and aviation?

Topic

https://www.teachprimary.com/learning_resources/view/pie-corbetts-space-poems

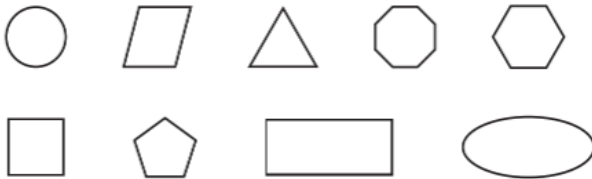
<https://www.jpl.nasa.gov/edu/learn/project/write-a-poem-about-space/>

- Look at the first link and read the poems about space
- Go to the second link to write your own poem about space
- Alternatively, look at the picture of the Orion nebula attached below as inspiration for your writing

Maths – Geometry

Polygons and quadrilaterals

1 Tick the polygons. Circle the quadrilaterals.



2 Complete this table:

	Name	Number of sides	Number of angles
a	rhombus		
b	pentagon		
c	trapezium		
d	octagon		
e	hexagon		
f	square		
g	rectangle		
h	triangle		

Complete the extension task below on shapes.

Science

Investigating Shadows

Watch the video clip on shadows below:

<https://www.youtube.com/watch?v=kLMdixL4WM>

Ask an adult to help you. Make shadow puppets on your walls using the same materials from the investigation in the video. How can you change the shape or length of your puppet's shadow?

Creativity

Art and Music

Listen to the theme tune from Doctor Who and watch the video about it:

<https://www.bbc.co.uk/teach/ten-pieces/classical-music-delia-derbyshire-doctor-who-theme/zfh792p>

Draw a picture in response to the music.

Listen to the extracts on this playlist from Gustav Holst's 'The Planets':

<https://www.lpo.org.uk/creative-classrooms-connect/holst-s-the-planets-for-key-stage-2.html>

Draw the planets as you listen to each one – use colour and different marks to reflect the mood of the music.

Spellings:

Memorise and use each word in a sentence:

- Orion nebula
- constellation
- inspiration
- material
- shadow
- geometry
- polygon
- quadrilateral



Poem of the Week: Key Stage 2

Rising from Earth

By Al Worden, an Apollo 15 astronaut

Read the poem out loud and learn it from memory.

Write the poem out in your best handwriting.

Investigate any words that you are not sure of using a dictionary.

Find interesting examples of nouns, verb, adjectives, adverbs, similes and metaphors from the poem.

Write your own poem using the same title, perhaps borrowing ideas from this poem.

Draw a picture or make a model of something from the poem

A vibration, a roar
Motion
Shaking, rattling we lift
Straight up

We climb on plumes of thunder
Into a rising sun
And away from reality

Goodbye my friends
You are gone
The whole world has gone
On a trip

But this must be finished
Faster, faster, can't turn back
Insignificant, I am insignificant

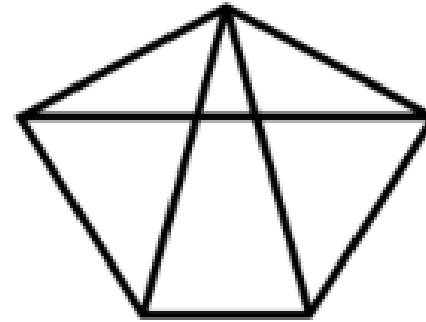
Lights flash, panel moves
Floating in nothingness
Then softly, softly,
The movement begins again
Push up the switch
And suddenly light everywhere

Earth is floating aimlessly, serenely
Peopled, I know, by intelligent life
Man is ever driven on
Vision greater than deed

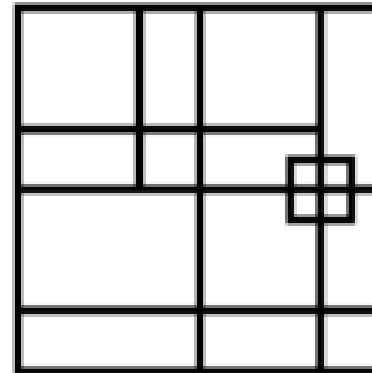
Floating so far
Extending the realm of man
Born again in light of day
And everything is suddenly right.

Spot the shapes

1. How many triangles can you count?



2. How many squares can you count?



3. Draw your own diagram to count triangles.
Don't use too many lines!

Orion Nebula



About the image: This vibrant image of the Orion nebula was created using data from NASA's Spitzer and Hubble space telescopes. The scene, which combines Spitzer's infrared view with Hubble's visible-light view, revealed new details about this region where stars are born.

