

Bellfield

Class 3

## Home learning pack 3.

This pack is set out into 5 days, each day has a spelling, reading, math's and literacy activity. At the back of the booklet you will find topic and science tasks.

(The reading tasks are to be completed based on a book of your choice, it would be beneficial for all activities to be based on the same text.)





Day 1

Math's

Work out the following number sentences using the **smile multiplication**. The first one has been done for you.

|   |                  |
|---|------------------|
| Example:<br>$30 \times 30 = 900$<br> | $40 \times 60 =$ |
| $70 \times 50 =$  | $30 \times 80 =$ |
| $50 \times 40 =$  | $30 \times 70 =$ |
| $70 \times 80 =$  | $60 \times 50 =$ |

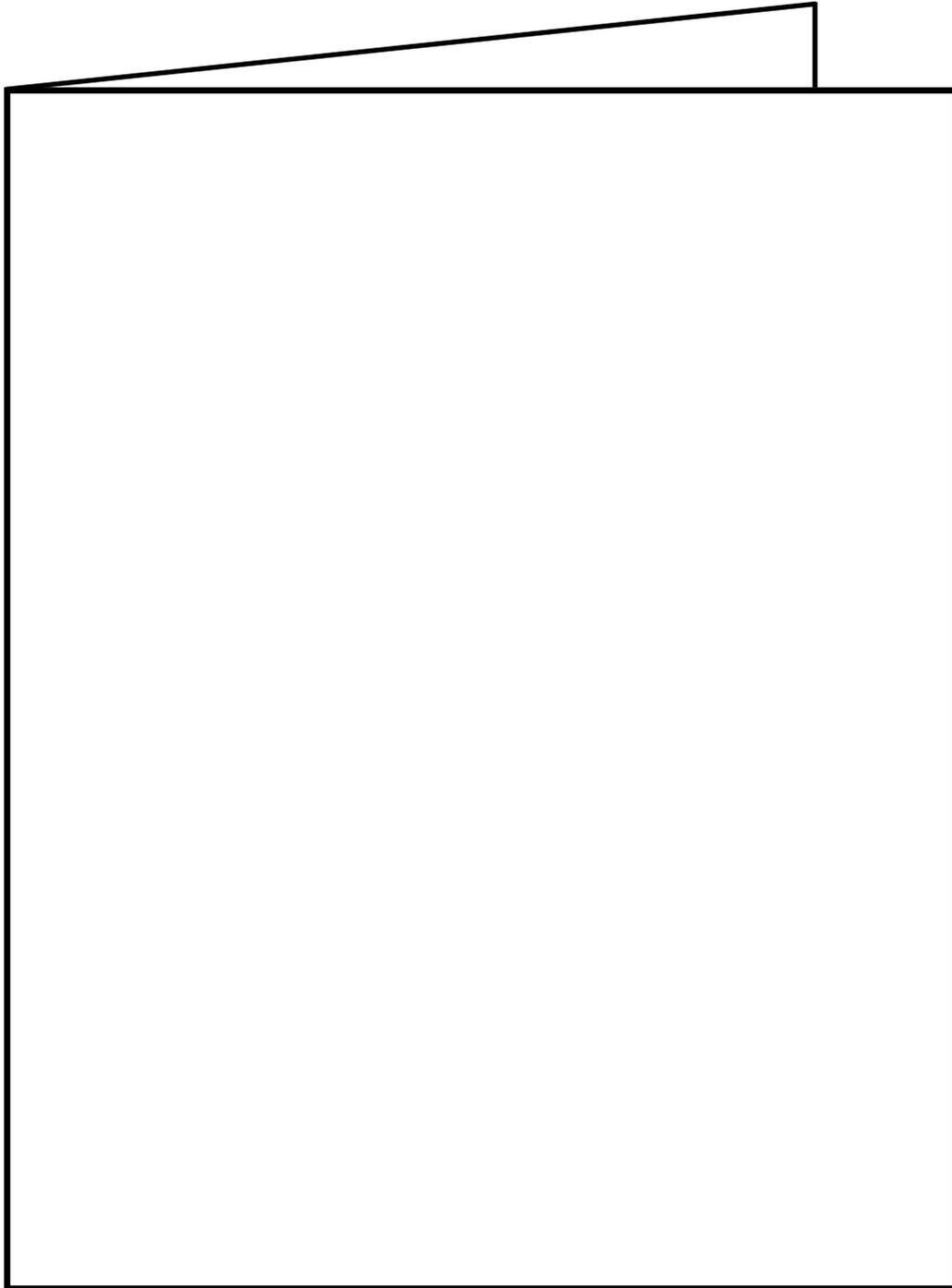




Day 2

Reading

Design a birthday card for the main character in the book. How old are they?



Day 2

Math's

Work out the following number sentences using the **smile multiplication**. The first one has been done for you.

|  |                  |
|--|------------------|
| Example:<br>$40 \times 70 = 2100$<br> | $20 \times 80 =$ |
| $50 \times 50 =$   | $50 \times 30 =$ |
| $60 \times 40 =$   | $30 \times 20 =$ |
| $20 \times 60 =$   | $60 \times 30 =$ |





Day 3

Reading

Draw a cartoon strip of the main events in the story you have read.

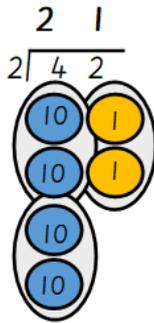
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Day 3

Math's

Work out the following number sentences using the bus stop method, drawing out the counters and grouping them into what you're dividing by. The first one has been done for you.

Example:  $42 \div 2 =$



$36 \div 3 =$

$69 \div 3 =$

$46 \div 2 =$

$96 \div 3 =$

$24 \div 2 =$

$63 \div 3 =$

$55 \div 5 =$

## Day 3

### Literacy

**Common noun** = person, place or thing that doesn't need a capital letter e.g. man, shop, game, book, river.

**Proper noun** = person, place or name of something that starts with a capital letter e.g. Millie, Oxton, Europa Swimming Pool, River Dee.

**Adjective** = A describing word.

#### **Task one-**

**Underline** all of the common nouns and **circle** all of the proper nouns in each sentence.

The first one has been done for you.

Henry plays games on his computer.

Mr Fan runs in the park every Sunday.

James lives in an apartment in Caston St.

Dr Flood is flying on a plane to Norway.

Neena's birthday is in March.

Fluffy likes playing catch in Victoria Park.

Did you see William at the party on Saturday?

Gerrard scored a goal for Liverpool on Tuesday night.

New Brighton was flooded because of the heavy rain.

Quinn saw Vebus through her telescope.

#### **Task two-**

**Underline** the adjectives in these sentences:

The little man carried the heavy box across the wide street.

The red house stood at the bottom of the deep valley.

The narrow road was long and the children were tired.

The log burned brightly in the old fireplace.

The young lady sat down on the soft, green cushion.

The busy bee flew to the bright flowers to gather honey

Day 4

Spellings

Practice these words.

| Read     | Trace    | Practise | Practise | Practise | Practise |
|----------|----------|----------|----------|----------|----------|
| appear   | appear   |          |          |          |          |
| business | business |          |          |          |          |
| enough   | enough   |          |          |          |          |
| probably | probably |          |          |          |          |
| weight   | weight   |          |          |          |          |

Can you think of a really fun way to  
practice your spelling words?

Then go for it!

Be sure to explain your activity so that I can share it with the class when we get back.

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Day 4

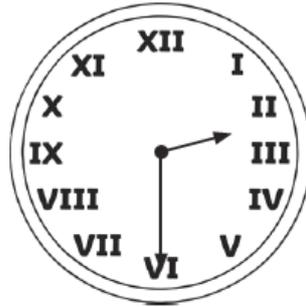
Math's

Tell and write the time on an analogue clock and on 12-hour and 24-hour clocks.

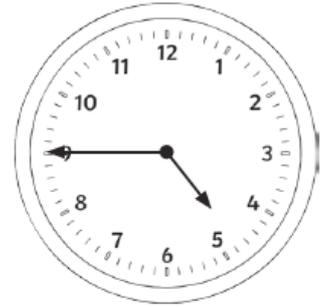
1. Write the digital time underneath each clock.
2. Match the 12-hour and 24-hour times.



a. \_\_\_\_\_



b. \_\_\_\_\_



c. \_\_\_\_\_

3:45 p.m.

14:00

7:30 a.m.

15:45

12:15 p.m.

08:20

8:20 a.m.

07.30

3. A film  
1/2  
How  
the film  
minutes?

2:00 p.m.

12:15

lasted 2  
hours.  
long was  
in

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James ran the 400m race in 1 minute and 40 seconds. Oscar ran it in 85 seconds. Who was fastest? Explain how you know.

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Tania spent 45 days of last year in Spain. How many days was she in the UK?

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## Day 4

### Literacy

A synonym is a word with the same meaning as another. We use synonyms to make our writing more interesting for the reader.

*For example: Pretty = beautiful or stunning.*

*Find 2 synonyms for each of these words*

Tall \_\_\_\_\_

Angry \_\_\_\_\_

Shy \_\_\_\_\_

Chubby \_\_\_\_\_

Kind \_\_\_\_\_

A verb is a doing word.

Add a powerful verb to complete these sentences.

I went to the swimming pool and \_\_\_\_\_ 20 lengths.

In netball I \_\_\_\_\_ the ball to my team mates.

When I play football I \_\_\_\_\_ in-between my opponents.

I went to the library and saw a lot of children \_\_\_\_\_ books.

On Thursdays I enjoy \_\_\_\_\_ the lava lamp bubble.

On Sports' Day I \_\_\_\_\_ as fast as I can.

The doctor \_\_\_\_\_ a prescription.

Mrs Ashdown \_\_\_\_\_ a ticket to see Beyonce.

Millie likes to \_\_\_\_\_ raspberries.

When I go to watch a basketball game I \_\_\_\_\_ loudly for my team.



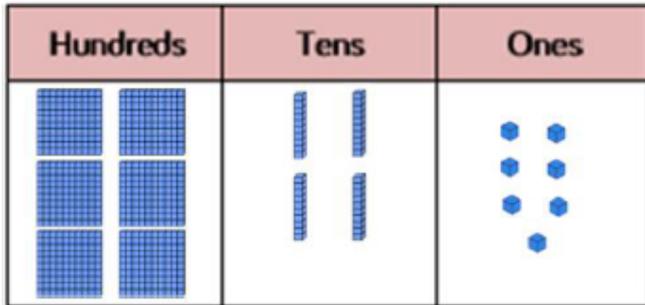


Day 5

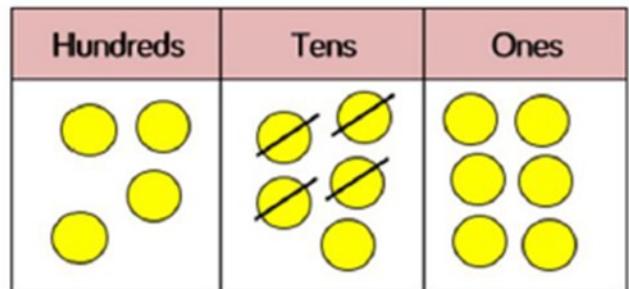
Math's

Work your way through these problems. Are the children correct?

Explain your reasoning.



Sarah thinks the chart shows  $456 - 4$   
Do you agree?



Steph



The place value grid shows 467

Do you agree?

Explain why.

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There are 6 children.  
Each child has 3 sweets.  
How many sweets altogether?

- $1 \times 3 = 3$
- $2 \times \underline{\quad} = 6$
- $3 \times 3 = \underline{\quad}$
- $9 \times 3 = \underline{\quad}$
- $\underline{\quad} \times 3 = 30$
- $8 \times \underline{\quad} = 24$
- $6 \times 3 = \underline{\quad}$
- $\underline{\quad} \times 3 = 21$

## Day 5

### Literacy

A synonym is a word with the same meaning as another. We use synonyms to make our writing more interesting for the reader.

*For example: Pretty = beautiful or stunning.*

*Find 2 synonyms for each of these words*

Tall \_\_\_\_\_

Angry \_\_\_\_\_

Shy \_\_\_\_\_

Chubby \_\_\_\_\_

Kind \_\_\_\_\_

A verb is a doing word.

Add a powerful verb to complete these sentences.

I went to the swimming pool and \_\_\_\_\_ 20 lengths.

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When I play football I \_\_\_\_\_ in-between my opponents.

I went to the library and saw a lot of children \_\_\_\_\_ books.

On Thursdays I enjoy \_\_\_\_\_ the lava lamp bubble.

On Sports' Day I \_\_\_\_\_ as fast as I can.

The doctor \_\_\_\_\_ a prescription.

Mrs Ashdown \_\_\_\_\_ a ticket to see Beyonce.

Millie likes to \_\_\_\_\_ raspberries.

When I go to watch a basketball game I \_\_\_\_\_ loudly for my team.

### Topic activities.

I have created 12 activities for you to choose from, complete at least 2 of these activities during the week, it would be good to spend a few days researching and creating your final outcome for certain tasks. Activities relating to next terms topic have been highlighted in blue, please choose one of these and an activity of your choice. Work with an adult where necessary.

#### Quiz

Design a quiz based on the Space Race.

Research information on the space race and design your own quiz, remember to include the answers to your questions. Your quiz needs to have at least 10 questions.

#### Diary

Record a written or video diary of your time in isolation. This will be something talked about in history lessons of the future and will be a very interesting this for you too look back on.

Design a daily fitness circuit with 7 different tasks plus a water/rest station.

Remember to organise it so you have different activities to work on different muscles types and a range of cardio moves.

#### Music

Write your own song or rap about a topic of your choice.

#### Hand Written Letters

Can you write a letter to a friend or a family member who you can't see to cheer them up, perhaps you could include a picture or something you have made?

Write your own instruction manual on how to create and launch a rocket.

#### Time to Talk:

Play a board game, facetime a member of your family that you have not seen this week or have a family dinner.

#### Portraits and Photography

Take portrait photographs of your family members considering light and textures. Can you use the photographs to draw portraits considering light and tone?

#### Organise an treasure hunt

There are lots on the internet to help but organise and write a scavenger hunt or a clue based treasure hunt for the whole family.

#### Art

Create a picture relating to space, you can use any type of media e.g. collage, paint, coloured pencils.

#### Restaurant

Organise a restaurant in your home. Could you cook a meal or bake something for your family to share? Be sure ask for adult supervision.

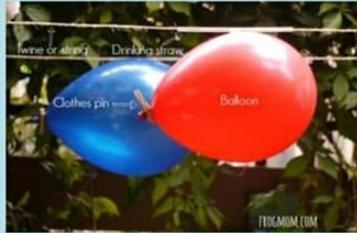
#### Space Race

Research the Space Race and come up with your own creative way of presenting your findings. This could be on the computer or made by hand. (Include information on the two countries involved)

# Balloon Rockets

## You will need:

- Balloon (round ones work but the longer ones are best)
- String
- Straw
- Tape
- Clothes peg



## THE SCIENCE

The rocket moves by something called thrust. As the air rushes out of the balloon, it creates a forward motion called thrust. Thrust is a pushing force created by energy. This thrust comes from the energy of the balloon forcing the air out. Different sizes and shapes of balloon will create more or less thrust. In a real rocket, thrust is created by the force of burning rocket fuel as it blasts from the rocket's engine – as the engines blast down, the rocket goes up.

1. Tie one end of a piece of string to a chair, door handle etc. or have someone hold the end.
2. Put the other end of the string through a straw and pull the string tight.
3. Inflate the balloon, twist the end and secure it with a clothes peg.
4. Use tape to attach the balloon under the straw.
5. Release the peg to launch your rocket!

Mark on the string with pen where your balloon ends and try to beat it.

Why not set up two and have a race?

# Framing Nature

## You will need:

- Cereal box
- Scissors
- Camera



1. Cut out a cardboard frame from a cereal. Ask an adult to help with the centre!
2. On a walk or in the garden, use your frame to capture nature.
3. Take a photograph and create a nature collage!

## EXTENSION

Why don't you draw or paint what you have captured in your frame?

Use your images to create a book about nature. Label each flower, plant or tree and add a description.

Start a project about cloud formations and use your frame to capture the different cloud formations.

Take time to notice and appreciate the beauty of nature around you.

# DIY Lava Lamps

## You will need:

- Vegetable/sunflower oil
- Vinegar
- Food colouring
- Bicarbonate of soda
- Tall glass or bottle
- Spoon
- Small cup



## THE SCIENCE

Oil and vinegar do not have the same density (how heavy something is for its size). Vinegar is more dense than this type of oil - that's why it sinks to the bottom of the container.

Once the vinegar touches the bottom of the container, it reacts with the bicarb. This chemical reaction creates bubbling carbon dioxide which rises - these are the bubbles you see within the container.

1. Add three spoons of bicarbonate of soda into the tall glass or bottle.
2. Fill two thirds of the container with oil - but don't mix!
3. In the small cup, add some vinegar and several drops of food colouring.
4. Slowly add drops of your coloured vinegar into your oil/bicarb mixture and watch your lava lamp come to life!

Why not try adding different colours to your lava lamp?

# The Leakproof Bag

## You will need:

- Sharpened pencils or skewers
- A sealable bag
- Water



1. Make sure your pencils are sharp before you begin.
2. Fill three quarters of your bag with water and seal it.
3. Holding the top of the bag with one hand, use the other hand to push a pencil right through to the other side. Like magic, there are no leaks!
4. Repeat with several pencils - making sure they are pushed through in different places on the bag.

## THE SCIENCE

The Science for this one is quite complicated! The bag is made out of a polymer which has lots of molecules attached together in long chains (think strands of cooked spaghetti!). The tip of the pencil can easily push apart the flexible strands of spaghetti but the strands' flexible property helps to form a temporary seal against the edge of the pencil. When the pencil is removed, the hole in the plastic bag remains because the molecules were pushed aside permanently and the water leaks out.

Test how many pencils your bag can hold!

Do pencils with flat or round edges work best?

Try different thicknesses of bag to see which works best.

# How to Grow a Rainbow

## You will need:

- Kitchen roll/paper towel
- Felt tip pens
- Two small bowls of water
- Paper clip
- Thread



1. Cut your kitchen roll into the shape of a rainbow.
2. Colour a rainbow with felt tips about 2 cm up on both sides.
3. Attach your paper clip to the top and tie a piece of thread to it. This will give you something to hold your rainbow with.
4. Fill each small container with water.
5. Hold your rainbow with the ends slightly submerged in the water then watch your rainbow grow!



## THE SCIENCE

A brief introduction to 'capillary action'! Water molecules like to stick to things - including themselves. Sticking to things is called *adhesion* and sticking to itself is called *cohesion*. The fibres in kitchen roll make lots of little holes. Water is 'sucked' through the holes because of adhesion (liking to stick to other things) and cohesion (liking to stick to itself) means the rest of the water follows. The water pressure will eventually slow down and the pressure of gravity will mean it stops moving.

# Grow your own Hanging Crystals

## You will need:

- Two glass jars
- Hot water
- Bicarbonate of soda
- Two paper clips
- String or wool
- Small plate

1. Pour hot water into the two jars and stir in bicarbonate of soda until no more will dissolve (about 6 teaspoons). When a layer forms at the bottom of the jars, this means no more will dissolve.
2. Tie a paper clip to each end of the piece of wool or string and place each end in each jar so it hangs between.
3. Put a small plate underneath the wool between the jars.
4. Leave the jars for a week. Crystals will begin to form along the wool - hanging down like stalactites. You may even get crystal stalagmites forming on the plate!

## THE SCIENCE

You've created a super-saturated solution. Hot water can hold more dissolved bicarb than cold water because the molecules are further apart. When the water cools, the bicarb can no longer 'fit' in the water and 'clings' to the wool. As the water evaporates, crystals form. These crystal strings get longer as more water drips down.



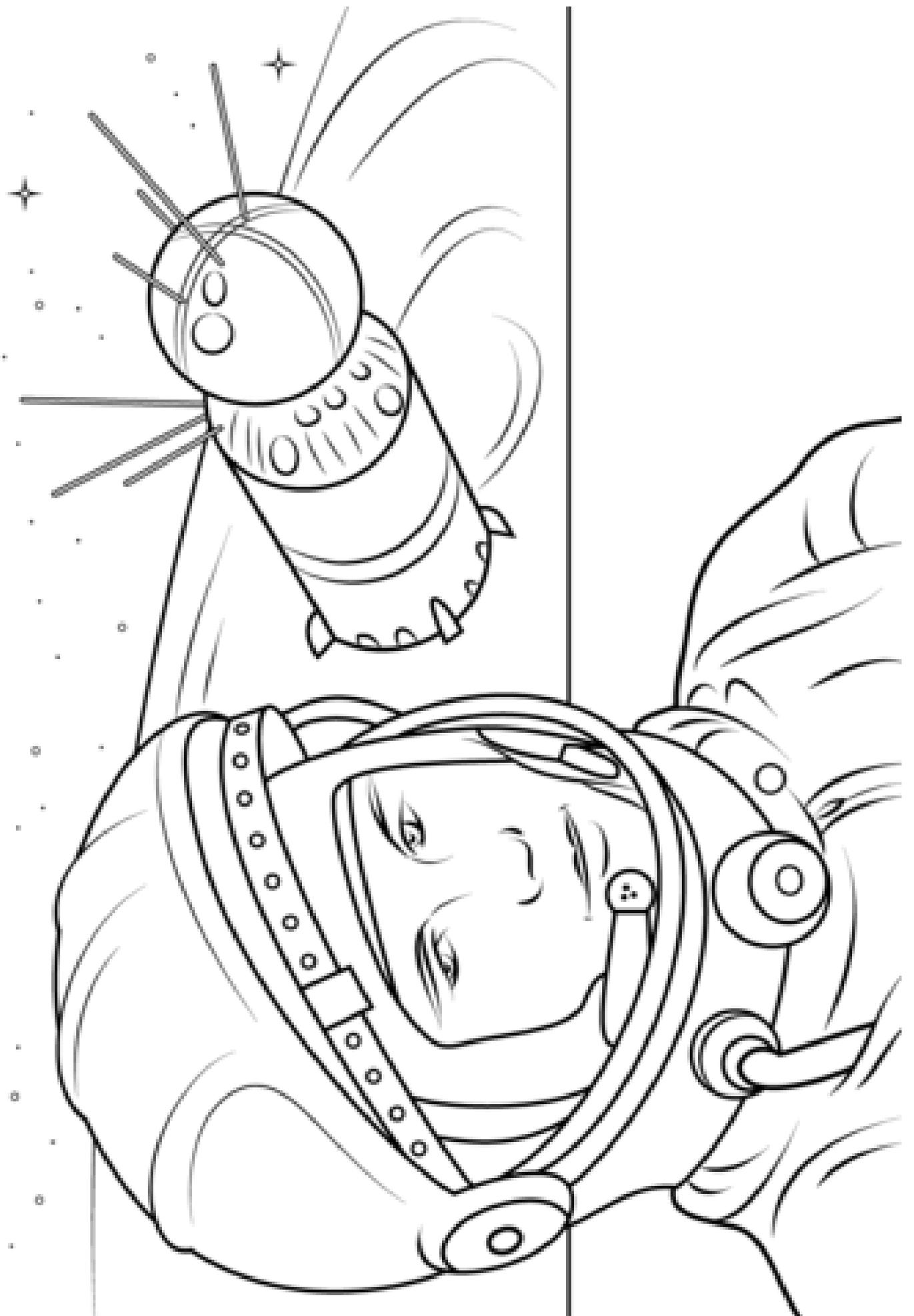
Science.

Sources of light.

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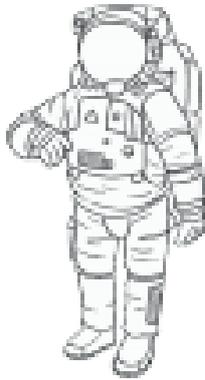
| Non-light source | Light source |
|------------------|--------------|
|                  |              |





# Space Dictionary

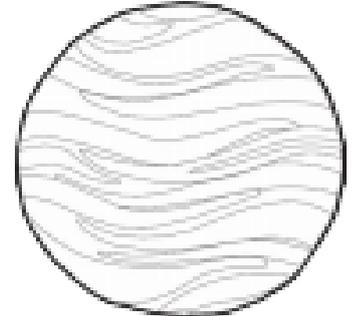
## Colouring Sheet



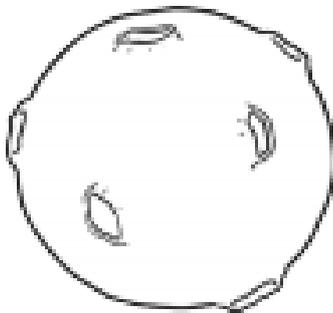
**Astronaut**



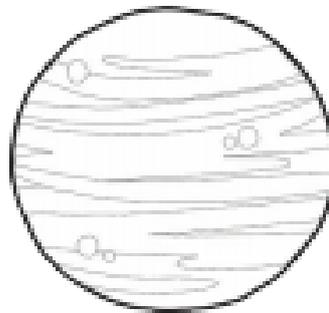
**Earth**



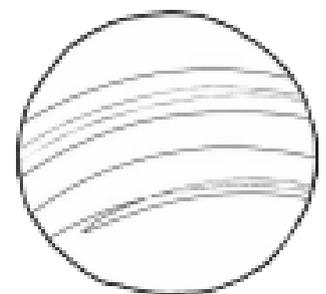
**Jupiter**



**Mars**



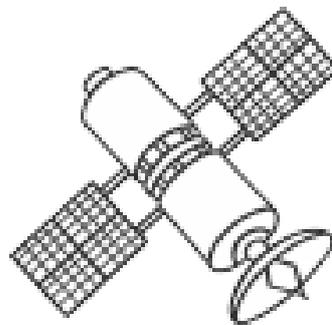
**Mercury**



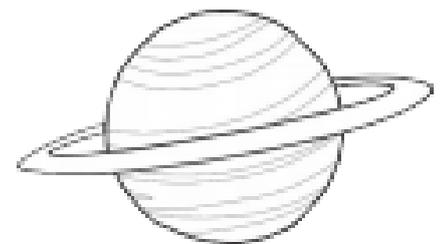
**Neptune**



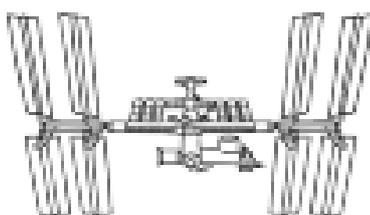
**Pluto**



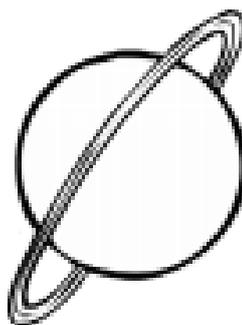
**Satellite**



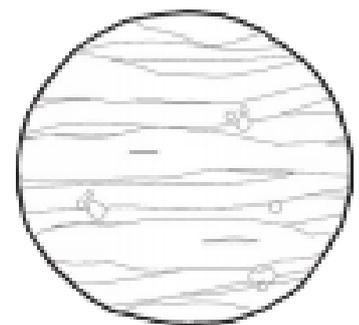
**Saturn**



**Space Station**



**Uranus**



**Venus**