

Mars Home Learning Grid w/b 25th May 2020

Big Question: Who am I? Who do I want to be?

This week we want to get you thinking about possibilities for career opportunities and desirable skills for employability. Activities in this week's grid will help you to explore your personal qualities and strengths, transferrable skills, digital literacy skills, as well as occupations.

Career Opportunities

https://www.youtube.com/watch?v=x9ofeV_nCUQ

Watch the video and use it to list different occupations, adding as many different jobs to your list as you can.

Visualisation: Make a key to help you to mark/categorise the different jobs. You might choose different coloured symbols to mark: Those that interest you, those you definitely would not like, those you think would be available in the local area, those you think you would have to study at college or university for, those that require shift working (not 9-5). You can add in any other criteria/factors. Some jobs may fall into more than one category.

Does this help you consider your choices?



Metalinguistics

Using your reading book, find 5 words that you are unsure of their meaning.

Using the metalinguistics strategies, try to find the meaning of the words and check your definitions with a dictionary. Add any changes to the definitions in coloured pencil to self-assess your work.

A new strategy you may be able to use is if a word has a prefix or suffix that can help you understand the word. For example: the word biped can be separated into bi (meaning 2) and ped (meaning feet). The word biped means an animal that uses two feet to walk.

Read On	Read Back
Partner Discussion	Familiar Word
Replace Word	Prefix/Suffix

Communication

Communication is considered as one of 4 general skills which can be applied to all careers. Have a go at the following activities to develop your communication skills.

Back to Back Six Bricks Challenge

For this activity, you need a partner and 2 **identical** sets of 6 lego bricks. If you do not have lego, other construction materials or a collection of craft materials will also work.

1. Sit or stand in pairs, back to back, with the same six bricks.
2. One partner builds a model, and then explains to the other how to build the same model.
3. The partner builds without looking or asking questions.
4. The pairs compare their models and discuss how it went.

Ask three questions

1. Sit or stand in pairs, back to back, with the same six bricks.
2. One partner builds a model.
3. This time, the partner builds without looking, but can ask three questions underway.
4. The pairs compare their models and discuss how it went.

How did you explain how to build the model? What instructions were clear and helpful? Which questions worked well? Why is that?

Create an Occupation Alphabet

Can you think of a job for every letter of the alphabet?

You might want to illustrate your alphabet by drawing someone doing this job and labelling the character with equipment or personal qualities and qualifications needed to do this job?



Equivalent Fractions

Use the BBC Bitesize website to further develop your knowledge of Equivalent fractions.

<https://www.bbc.co.uk/bitesize/articles/zv798xs>

The link includes videos and worksheets for further practice. The worksheets can be completed without printing them off, just draw/write your answers in your jotter.

Numeracy Skills

Use your knowledge of the four processes to solve the following question

The table shows the ages of people in a theme park.

Age	Number of people
Under 18	126
18 - 60	195
Over 60	38

These are the entry costs.

How much money did the theme park make from entry costs?



Origami

When the Japanese Space Agency is looking for new astronauts, they set them a challenge to create as many origami cranes as they can in a set time. The challenge is to try and make them identical and perfectly folded.

Can you make an origami creation and then make another one identical to it? How long did it take you? Would you be able to make more than one in 2 minutes?

You may make your own model or might want to try one of the ideas below.

Dog

<https://youtu.be/wWVppdfYOx8>

Hummingbird

<https://youtu.be/gn2iLmwvZPk>

Fish

https://youtu.be/ipsFC_GM9oc



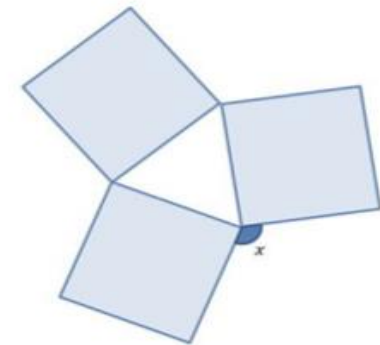
Critical Thinking

Critical thinking (problem solving), is another of the 4 general skills which can be applied to all careers.

Think about this problem:

4 identical squares were arranged to make this pattern.

What is the value of angle x?



What is the size of the angle marked x?

Remember what we discussed last week of the total of angles in a triangle.



Bubbles

Let's play with bubbles....

Find a space and stand in your imaginary bubble.
 Can you reach up to touch the top? Now try reaching the front, back and bottom of your bubble.
 Can you reach all around your bubble gently pushing out to make your bubble really big?
 See if you can use different body parts to push the bubble out.
 Can you put your hands on the floor and use your feet to push the bubble?
 Now take your imaginary bubble on a journey round the room, keep your arms and legs wide and look out for objects, you don't want your bubble to burst.
 Ask a family member to blow some bubbles in the air, can you catch them? can you catch them on different body parts? you will need to be very gentle. Can you jump and reach the high ones?
 Clap your hands and burst the bubble.

Box yourself fit

Practise these four boxing punches... obviously in your own space... punch the fresh air! When you know what you are doing, put on some lively 'Rocky' music and have a go at the boxing combinations. Little bit of skipping along with it and you will be fighting fit before you know it.

Use the links to have a go at a boxing workout

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

OOMIXs

EMERGING With your partner or using a punching bag, can you complete these boxing combinations successfully?

Punching Key
 1 = Jab
 2 = Cross
 3 = Left Hook
 4 = Right Hook
 5 = Left Uppercut
 6 = Right Uppercut

1 Jab - Jab - Cross.
 Jab - Cross - Jab - Jab.
 Jab - Jab - Jab - Cross.
 Jab - Cross - Left Hook.

2 Jab - Jab - Left Hook - Cross.
 Jab - Left Hook - Right Hook - Jab.
 Jab - Cross - Right Hook - Jab.
 Jab - Jab - Right Hook - Left Hook.

3 Code Breaker Challenge!
 1-1-2
 1-2-1-1
 1-3-4-1-2

Now try all 4 combos in a row without stopping!

<p>The Jab</p> <ol style="list-style-type: none"> Stand in boxing stance (Orthodox/Southpaw) Extend your non-dominant hand towards target. Twist your wrist before contacting the jab. Tighten fist right at the moment of impact. Return back to stance. 	<p>The Cross</p> <ol style="list-style-type: none"> Stand in your boxing stance (Orthodox/Southpaw). Distribute weight from back to front - This is done by rotating the body and pointing the back foot. Extend dominant hand & rotate fist. Keep body aligned to the target - chest faced towards opponent. Return back to stance.
<p>The Hook</p> <ol style="list-style-type: none"> Stand in your boxing stance (Orthodox/Southpaw) Bend your Arm at a 90 Degree Angle. Rotate Body & Plant your lead foot. Push through the punch - Making contact with the side of your target. Return back to stance. 	<p>The Uppercut</p> <ol style="list-style-type: none"> Stand in your boxing stance (Orthodox/Southpaw) Bend your knees - Generates power for the uppercut. Keep the legs down. Rotate the body - Plant your feet, pushing off the left calf for the left uppercut or right calf for right uppercut. Bring upwards. Return back to stance.

Creativity

Creativity is another of the four C's which can be applied to any career.

For a bit of fun, before you try the following expressive arts task, tune your brain in and see how creative you are with these optical illusions!

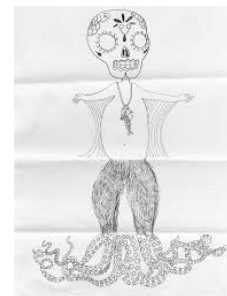
https://www.youtube.com/watch?v=2hlo_N-yRyE

Expressive Arts

Combination Creature

Draw a person or animal head and neck, fold your paper back but keep the neck showing.
 Ask someone to draw a body, person or animal then fold backwards again.
 Draw some animal or people legs then fold back.
 Ask someone to draw feet or shoes.

Open your combination creature up!

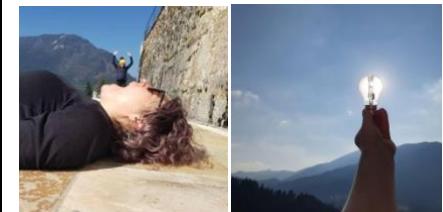


Outdoor Photo Challenge??

Can you work with someone at home to make an interesting photo like this famous one of the Leaning Tower of Pisa. You will need to explain exactly how and where to move!

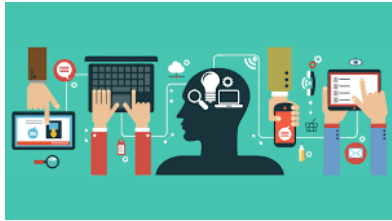


The Campbells tried this as part of a family photo challenge whilst locked down in France. Some of their results are shown below.



Computer Science and Technology

Explore one of the resources below to help further develop your Computing and Digital Literacy Skills.



BBC Bitesize

Check out BBC Bitesize Computer Science and ICT guides which provides handy and easy to understand animated guides about all areas of computing, from Software to how to create an app.
<https://www.bbc.co.uk/bitesize/subjects/zfhhbwmn>

Coding

<https://blockly.games/?lang=en>

<https://hourofcode.com/uk/learn>

Typing

<https://www.bbc.co.uk/bitesize/topics/zf2f9j6/articles/z3c6tfr>

A Job for the Future

<https://www.youtube.com/watch?v=qT7ZE5uosityU>

This video talks about transferrable soft skills that can be applied to any job such as growth mindset, creativity, collaboration, communication & critical thinking.

By the time you are ready to join the workforce there will be many new job opportunities that don't exist now.

Try to think of a job which might exist in the future.

What is it?

What are the key responsibilities / What would the job involve?

What uniform / equipment would be required to carry out the job?

What kind of person would be best suited to the job? What skills would they need?

Animal Personalities

<https://icould.com/buzz-quiz/>

Discover which animal personality type you are and which job you may be suited to.

Find out more about the jobs you may enjoy. Do any of them sound interesting or are any of them a surprise?

Ask your family members to take the quiz too, are the results accurate?

Share Your Dream Job with Us!

Whole School Challenge

This week we would like you to share your dream job with us. You could take a photograph or video of you acting out the job, draw a picture, create a job advert or write yourself a contract. We can't wait to get a glimpse of your futures!

Remember to share your work on our school or your class Facebook page!

ADDITIONAL RESOURCES

Who am I? Who do I want to be?

Career Opportunities

- <https://www.bbc.co.uk/teach/skillswise/job-skills/zdh8vk7> - Short videos investigating different areas of work.
- <https://www.firstcareers.co.uk/> - Research different career opportunities
- <https://www.bbc.co.uk/bitesize/articles/zmdc382> - Explore different careers by job sectors
- <https://www.bostondynamics.com/careers> - Current job opportunities at 'Boston Dynamics' - which one might best suit you and why?

Transferrable Skills – Ready for future careers

- Download the British Red Cross app to learn more about developing your First Aid Skills or visit the website below to watch “How To” First Aid videos
<https://lifeliveit.redcross.org.uk/What-is-first-aid/How-to-videos>

Critical Thinking / Problem Solving

- <http://www.mathematicshed.com/the-mf-thinking-shed.html> - Some great critical thinking number & maths tasks on this site

Communication

- https://www.legofoundation.com/media/1070/sixbricks_ok_print.pdf - The Lego Foundation, Six Bricks Booklet

Digital Literacy – World of Work

- Barefoot Computing have developed a range of activities for children to access during their time spent at home, from interactive games to computing challenges and mini missions (note – not all are computer based - “decomposition” for example is explored through creating dance routines with a partner or creating a “Human Robot” for programming). See link below
<https://www.barefootcomputing.org/homelearning>
- What’s inside my mobile? Use the attached link to access a PDF which helps children learn the different components of a mobile phone. You can play a game similar to Beetle Drive to gather all the different elements.
https://warwick.ac.uk/fac/sci/wmg/about/outreach/technology/inside_my_mobile.pdf