

Academy Closure – July 2021

Please remember to submit all completed learning to the Remote Learning account of the Academy, the email address is:

- Remote-Learning@twapa.co.uk

KS2 Computing

To be able to follow an algorithm to create images

For this lesson I would like you to watch the following video and complete the tasks below.

<https://classroom.thenational.academy/lessons/to-identify-2d-shapes-c9gkjd?activity=video&step=2&view=1>

What is an algorithm?

An algorithm is a sequence of instructions or a set of rules that are followed to complete a task. This task can be anything, so long as you can give clear instructions for it.

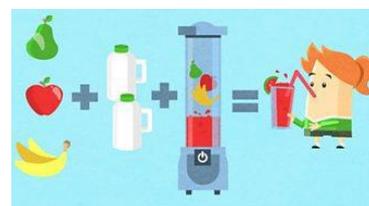
For example, to make yourself a drink you have to follow a sequence of steps in the right order. If you do something in the wrong order you might end up making a mess.

Clear instructions

When you write an algorithm, you need to include precise, step-by-step instructions.

Here are the instructions for making a smoothie:

- Add fruit to the blender.
- Add milk to the blender.
- Put the lid on the blender.
- Switch the blender on.



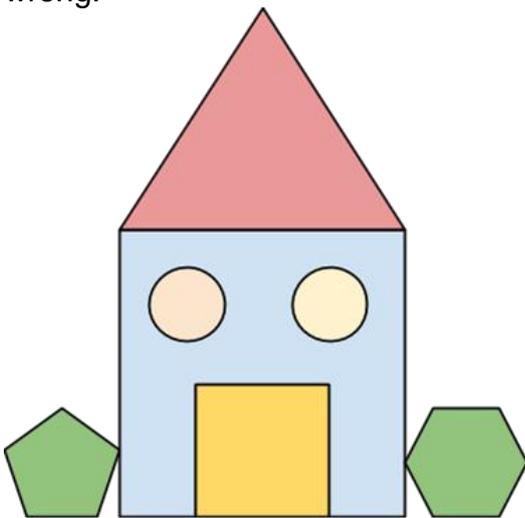
Imagine if we missed out one of the steps or reversed the order. We could end up switching on the blender with nothing in it. Or there could just be milk in the blender and no fruit.

Algorithm	Shapes
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1. Draw a blue square in the centre of your page.
2. Draw an orange triangle with one edge aligned with the top of the square.
3. Draw two blue triangles inside the square.
4. Draw a yellow square with sides half the length of the first square, inside the first square.
5. Draw a green regular hexagon to the left of the square. The bottom of this shape should be in line with the bottom of the square.
6. Draw a purple regular pentagon to the right of the square.

That wouldn't make a very tasty smoothie, would it? In fact, it wouldn't make a smoothie at all!

Does your picture look like this? If not, highlight the part of the algorithm that went wrong.



Useful links: <https://www.bbc.co.uk/bitesize/topics/zs7s4wx/articles/zqrq7ty>

Success criteria:

- Gold: to create a detailed algorithm.
- Silver: to follow and create a simple algorithm.
- Bronze: to follow simple algorithm steps.

KS2 Topic / Humanities

Why does it rain?

LO: I understand why it rains and the different types of rainfall.

Follow this link to a recorded lesson:

[Why does it rain? \(thenational.academy\)](https://thenational.academy/why-does-it-rain/)

In this lesson, you will be learning about why it rains. We will also be learning about the three different types of rainfall (convectional, frontal, and orographic). This is an additional lesson to what we have been learning about recently about erosion and weathering as we know one of the causes of erosion is water (rain).

KS2 PSHCE

Community Care

LO: I understand what it means to live in a community.

Follow this link to a recorded lesson:

[Community Care \(thenational.academy\)](https://thenational.academy/community-care/)

This is a recap of a lesson we have done previously relating to community. In this lesson, you will understand what a community is, explore the different types of communities (place, interest, action, and practice) and consider the benefits of being a part of one.

KS2 French

Animals and Pets

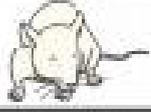
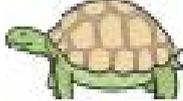
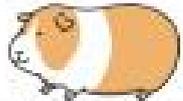
LO: I can begin to understand how to pronounce animals and pets in French.

As-tu un animal ? (Have You Got a Pet?)



Can you match the picture of each pet with the right word? Look at the hint to help you!

Draw a line to join them up; one has been done already to start you off.

	o _____	un chien
	s _____	un chat
	h _____	une souris
	c _____	un hamster
	l _____	un serpent
	p _____	un oiseau
	s _____	une tortue
	c _____	un lapin
	t _____	un cochon d'inde
	e _____ d' _____	un poisson

KS2 RE

How did Islam begin?

LO: I understand how Islam began relating to the Prophet Muhammad and Angel Gabriel.

Follow this link to a recorded lesson:

[How did the religion of Islam begin? \(thenational.academy\)](https://www.thenational.academy/)

In this lesson, we will be exploring the beginning of the religion of Islam. We will learn about the life of the Islamic Prophet Muhammad, who established the religion following revelations from the Angel Gabriel.

This lesson will continue on from our previous RE I lesson, which was a general overview about the Prophet Muhammad and the Islamic god, Allah.

KS2 Creative Art

Drawing from Nature

LO: I can discuss about Nature Sculptures and draw an observational drawing of a natural object.

Follow this link to read through and hear the pronunciation of French animals and pets:

[Animals and Pets - KS2 French - BBC Bitesize - BBC Bitesize](https://www.bbc.com/1/learningenglish/ks2/french/animals_pets)

There is a worksheet attached to support your learning after you have read through the webpage in the link.

Observational Drawing: Top Drawing Tips



Look Closer

Take a closer look at what you are drawing.

- Is it rough or smooth? Shiny or dull?
- What colours is the object made up of?
- What markings can you see?

Try to include as much **detail** as possible!



Use Your Hands

If you can, pick up the object and feel it. Take care if it is fragile!

- What are the textures like?
- Is it rough or smooth?
- Is it hard or soft?

Think about how you might draw these **textures**.

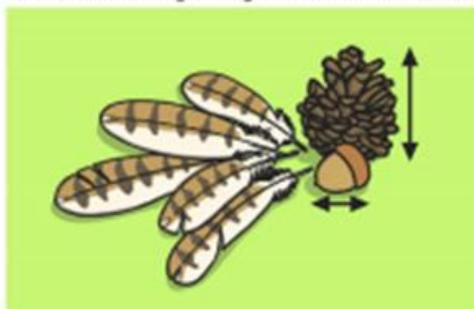


Step Back

Take a look at the whole object.

- What is the overall shape?
- Is it made up of different shapes?
- Which details are the most important?

Think about the **perspective** of the object.



Compare Sizes

Take a look at each part of the object.

- Which parts are small?
- Which parts are large?
- How do the sizes of each part compare?

Try and draw the objects in **proportion** with each other.

Observational Drawing: Top Drawing Tips



Frame It

Use a frame to decide which parts to draw.

- Do you want to draw the whole object or just one part?
- Which parts are the most interesting.

Use your frame to get a good composition.



Light and Shade

Look at the shadows on the object that you are drawing.

- Where is the light source?
- What shadows can you see?
- Which areas are light and which are dark?

Show the shadow and light to create contrast.



Keep Looking

Look at your object and compare it to your drawing.

- Are the proportions correct?
- Have you missed anything?

Keep looking at the object to make sure your drawing is accurate.



Thick and Thin

Use thick and thin lines.

- Where are the edges of your object?
- Are there any fine details that need thinner lines?

Change the weight of your line to add form to your drawing.

KS2 PE

LO: I will develop my understanding of the different components of fitness.

Day 1**Go for a 40 minute walk**

Make sure you are wearing appropriate trainers and you make someone aware of where you are going. Try and walk at a consistent, but fast walk. This will push your heart and lungs which will improve your **Cardiovascular fitness**.

How many tricep dips can you do in a row?**Can you beat Mr. Nicholas-29**

Using a chair, table or step, place your hands out flat behind you and hold your body weight above your chair, table or step.

With only your arms working, lower your body towards the floor **flexing**

**Plank for as long as possible**

(Challenge someone else in your household for extra fun!)

Can you beat Mr. Dennis – 83 seconds

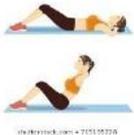
Plank position: On the floor on all fours, positioning your hands slightly wider than your shoulders then place forearms flat with hands and elbows on the floor. Extend your legs back so that you are balanced on your hands and toes and hold keeping your body straight.

Day 2**How many Squat Jumps can you do in 1 minute?****Can you beat Mr. Nicholas – 39 squat jumps**

Stand up straight feet should width apart, lower body until knees are bent keeping your back as straight as possible, then push up from your legs as hard as possible into a jump

Complete as many Sit-ups as possible
(Challenge someone else in your household for extra fun!)

Can you beat Mr. Nicholas – 32



Lie on the ground with your shoulders in-line with your knees. Raise your legs up so that your knees are the highest part of your body and the soles of your feet are on the ground. With your hands on your head, see how many times you can sit up using your core muscles (**Abdominals**)

Shuttle runs
(Workout with someone in your household for extra fun)



Pick a landmark on your road, whether it be 2 bins or 2 lamp-posts, and see how many runs there and back you can do before you stop!

Remember! Focus on your breathing – this will make it easier in the long run!

Day 3

Go for a 20-minute jog

Make sure you are wearing appropriate trainers and you make someone aware of where you are going. Try and run at a steady pace for 3 or more minutes, the walk for 2 minutes to recover. Try and stretch out your running phases and shorten your walking phases as your run goes on.

Bicep Curls
(Workout with someone in your household for extra fun)



Grab two weight or fill two carrier bags with tins of food so that the weight is challenging. Starting with your arms at the sides curl one arm towards your chest and return

to your side. Then repeat for the other arm. Aim to complete 10 repetitions for each arm, so 20 repetitions in total.

Repeat this exercise 3 times or as many times as you can for extra challenge.

Complete as many Press-ups as possible

(Challenge someone else in your household for extra fun!)

Can you beat Mr. Dennis – 46



Press-up position: On the floor on all fours, positioning your hands slightly wider than your shoulders. Extend your legs back so that you are balanced on your hands and toes. Lower body until elbows are bent then return to starting position.