

Week beginning – Monday 1st March 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

Lesson Objective:

- To understand what coding is and why it is important.

Success Criteria:

- Gold: explain what coding is and give some examples.
- Silver: to create a simple algorithm.
- Bronze: know why coding is important.

In this lesson we are going to talk about coding and why coding is important.

Coding is the process of writing in a language so that the computer programs know what to do when given an instruction.

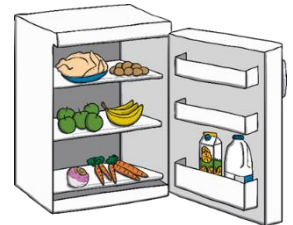
Coding is used in mobile phones, for programs, text messaging and phone calls.

Coding is used in computer software for playing music, connecting to the internet and writing documents. Game consoles such as Xbox, Play Station and Wii use coding in the games we play, the images we see and the sounds we hear.



Household appliances like washing machines, televisions, microwaves and cars all need coding to be able to run.

These computers may seem like they know everything but in fact they are working off a list of instructions that have been coded into them. They cannot think for themselves so they simply follow the instructions very quickly.



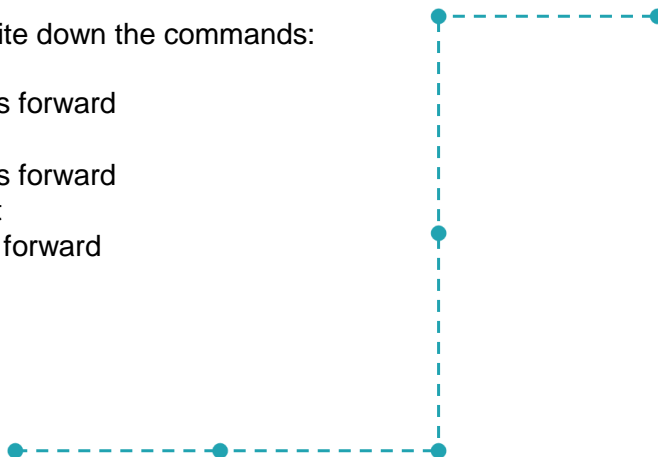
It is up to the person using the device to tell the computer or appliance what to do.

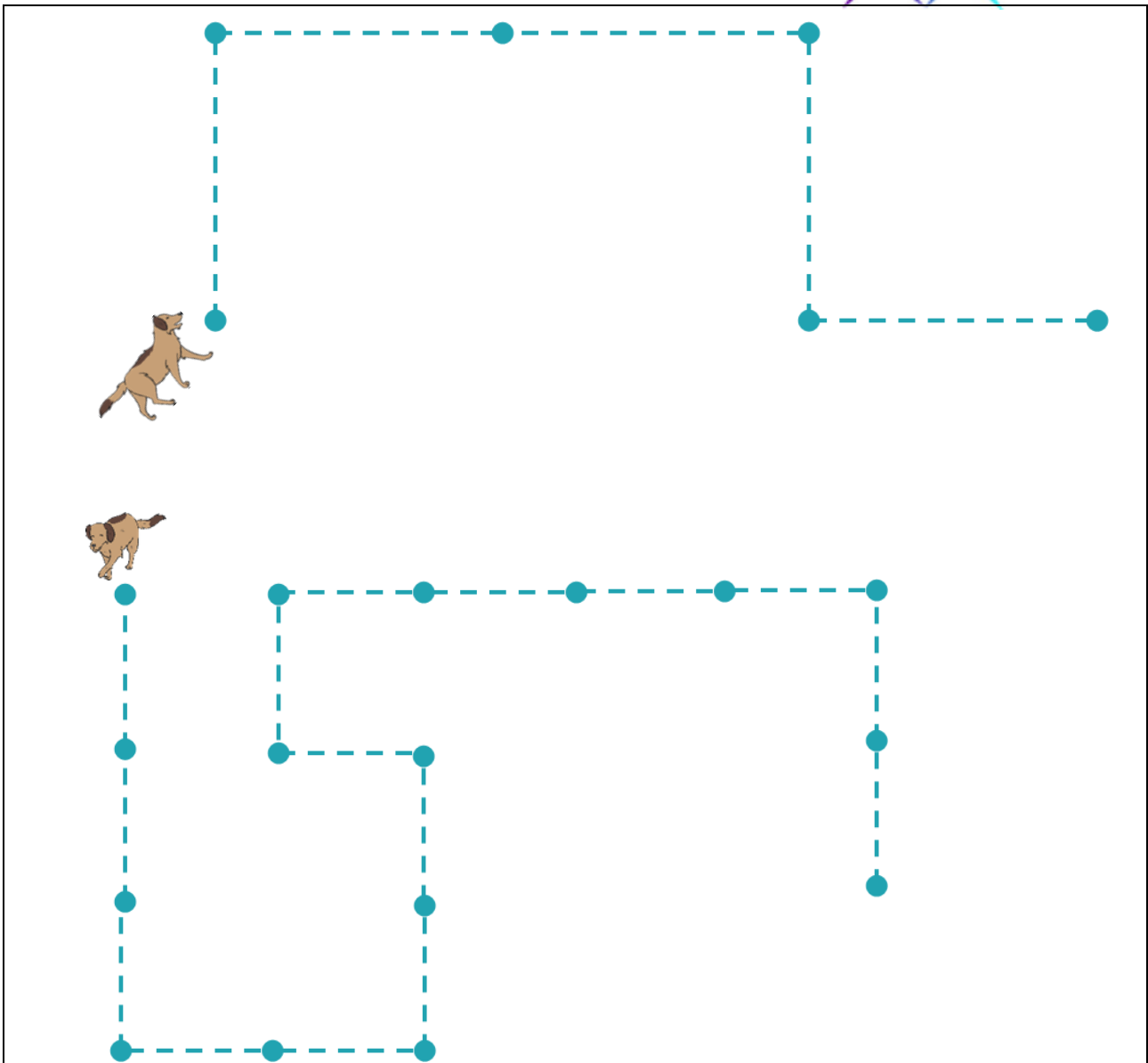
In this lesson you are going to be a computer and a coder.

Task 1 - To get the dog from the start to the finish line.

Remember to write down the commands:

- Two steps forward
- Turn left
- Two steps forward
- Turn right
- One step forward





Task 2 - You are going to write a code for getting a partner around a course. This partner could be your mum, dad, a sibling or your carer.

You are going to write the instructions to get them from the start to the finish while they are blindfolded.

You will write the code down, then your computer person will stand at the start line, blindfolded, while the coder person will call them the code you have written.

As soon as your computer steps off the line you will need to adjust your code and start again.

Reflection

What was difficult about writing the code?

What do you think may be a challenge for coders who write them for computers?

Useful links: <https://www.bbc.co.uk/bitesize/topics/zvsc7ty/articles/zykx6sg>

KS2 Topic / Humanities**2A KS2 History – Stone Age to Celts**

- 1) Read 'Life in the Mesolithic' (Pages 14 & 15), in the Study Book. This revisits the Cheddar Man found in Gough's Cave in Cheddar Gorge. This section also looks at what animals were around during the Mesolithic period. Furthermore, talking about what Mesolithic people ate and their burial grounds.
- 2) Answer the questions on pages 14 & 15 in the Stone Age to Celts Activity Book. These questions link to what you read in the Study Book. All the questions will link to it. Make sure your answers are written in full sentences that answer the question.

2B KS2 History – Vikings

- 1) Read 'Violent Vikings' (Pages 14 & 15), in the Study Book. This explains how some tales about the Vikings were exaggerated and looks at the Norse sagas which told the stories of the Vikings and Norsemen. Finally, this section explains about Viking government and punishment.
- 2) Answer the questions on Pages 14 & 15 in the Vikings Activity Book. These questions link to what you read in the Study Book. All the questions will link to it. Make sure your answers are written in full sentences that answer the question.

All KS2 Geography – Living Things

- 1) Read Section Three: Natural Earth – Mountains (Pages 14 & 15), in the Study Book. This looks at biomes as well as the good and the bad of mountains. Furthermore, it talks about Himalayas is an enormous mountain range passing through Nepal, India, Bhutan, China and Pakistan.
- 2) Answer the questions on Pages 14 & 15 in the Living Things Activity Book. These questions link to what you read in the Study Book. All the questions will link to it. Make sure your answers are written in full sentences that answer the question.

KS2 PSHCE**All KS2 PSHE – Reduce, Reuse and Recycle.**

- 1) Watch the PowerPoint: '3 Rs' Lesson Presentation'.
- 2) Complete the worksheet about the 3 Rs and things we can reduce, reuse and recycle to help the planet.

KS2 RE**All KS2 RE – Diwali**

This task helps develop your understanding of the importance of Diwali as a special celebration. There is a PowerPoint linked to the activity which illustrates your understanding of Diwali.

KS2 Creative Art**All KS2 Art – The Vikings**

1) **Viking Boat Sketch**

In class we are currently designing and building a huge, long boat (a special Viking boat). The children are creating shields first and these will go on the boat. You had this activity last week. This week I want you to try and sketch your own long boat.

Follow this link for all of the instructions to do so:

https://content.twinkl.co.uk/resource/fb/a8/t-ad-422-ks1-art-drawing-3d-shapes-and-viking-longships-video_ver_1.mp4?_token=&exp=1614287403~acl=%2Fresource%2Ffb%2Fa8%2Ft-ad-422-ks1-art-drawing-3d-shapes-and-viking-longships-video_ver_1.mp4%2A~hmac=5e4f13e15fb7f9f8c7a11ea582640a6d0aea2d535ebdb36e3c98dd6d09a43b85

If you have enjoyed that, you could try building your own out of cardboard just like we are doing in school. I cannot wait for you to see it on the 8th.

KS2 PE

Day 1

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 three or more minutes, the walk for two minutes to recover. Try and stretch out your running phases and shorten your walking phases as your run goes on.

Step-Ups

Using anywhere with at least one step, climb on to the stair one foot at a time until both feet are on the step. Once both feet are on the step, step back to the start position.



Complete 3 x 1 minute Sets.

How long can you hold a weight out in front of you for?

Can you beat Mr. Dennis' time of 3 minutes 24 seconds?

Using a dumbbell or a bag with some tinned food in, see how long you can hold your arms out straight in front of your body for. As soon as your arms start to drop, stop the clock!



Day 2

High knee runs

Can you beat Mr. Nicholas' score of 32?

Running on the spot, try and get your knees as high as you can – up to your tummy is possible! Run like this on the spot for 3 x 45 second sets.



Lunges

Starting with your hands on your hips and your feet together, take a step forward, planting one foot in front of your body and one foot behind. Lower your body till your back leg touches the floor.



Weighted Step-Ups

Using anywhere with at least one step, climb on to the stair one foot at a time until both feet are on the step. Once both feet are on the step, step back to the start position. Do this with either dumbbells or two bags of shopping or with a school bag on your back.



Complete 3 x 1-minute Sets.

Day 3

Go for a 30-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 two minutes to recover. Try and stretch out your running phases and shorten your walking phases as your run goes on.

Burpees

Can you beat Mr. Dennis' score of 19 burpees in a minute?

How to do Burpees



How many single leg squats can you do?

Can you beat Mr. Nicholas – 15





Reduce: to use less of a material when making a product.

Reuse: To use a product over and over again to save on making a new one.

Recycle: To reprocess a material through melting or breaking down in order to make something else.

Which of the 3 Rs does each image apply to?



Which of the 3 Rs does each statement apply to?

| | R |
|---------------------------------------------------------------------------------------------------------------|---|
| A little sister wears her older sisters clothes instead of buying new ones. | |
| A plastic bottle is melted down and remade as a biro pen. | |
| Easter egg packaging is made less by only using the foil and not the cardboard boxes. | |
| A bag for life is used instead of the free plastic bags given out at the supermarket. | |
| Newspapers are collected at the train station to go back to the newspaper factory. | |
| A plastic tub that a Chinese take away comes in is later used by a school girl to take her pencils to school. | |

Diwali

What is Diwali? _____

What does the word Diwali mean? _____

Write down two things people do to celebrate Diwali: _____

Who is Lakshmi? _____

What is Rangoli? _____

What does the Diwali festival celebrate? _____
