

Year 4 Curriculum Summer 2 Week 3

To do throughout the week...

Wellbeing	<p>Looking after our Mental Health and emotions How are you feeling?- Look at the thermometer to help you Story: In My Heart Activity: Fill in the mood diary for each day. Use a different colour for each emotion.</p>
Daily Exercise	Keep active! Make sure you do something active each day. Maybe do the exercises here .
 Challenge	The Great 8 are fun challenges suitable for the whole family. See below.

Here are the curriculum activities for the week. You can do in any order you choose.

Try to do these this week as next week's activity will follow on in each subject.

Science	<p>Tooth Decay Investigation</p> <ul style="list-style-type: none"> Watch this scientific investigation video about tooth decay. Have a go at the tooth decay investigation in the support materials. Record your findings over 7 days – what do you notice about the effect of the different liquids on the eggs? What does this tell you about the effect different liquids have on human teeth? Present your findings in a creative way, such as a poster, information leaflet or PowerPoint presentation. 	
History	<p>Stone, Bronze and Iron Ages</p> <ul style="list-style-type: none"> Click here, scroll down and explore 'How do we know about prehistory?' Click on the images and record in words and pictures the main events for each prehistoric age. Create a timeline to explain to someone in your house the main events in the Stone Age, Bronze Age and Iron Age. 	
Geography	<p>What are the different time zones in the USA?</p> <ul style="list-style-type: none"> Watch this video explaining what time zones are here and write down 5 facts you learnt about time zones. Share with a family member. Because the USA is such a large country it has nine standard time zones across the country – see time zone map below. Using the time zone map, answer the 5 questions under the map about time zones in the US. 	
PE	<p>Athletic training- strengthening exercises (see below for cards)</p> <ul style="list-style-type: none"> Training- follow the exercises below to strengthen your arms & legs. Knowledge- which other exercises do you know to help strengthen your arm and legs? Think about your gymnastic lessons too. Or use Joe Wicks 8 min workout ideas. 	<p>You will need- An adult to check you do the stretch accurately & safely</p>
RE	<p>Pilgrimage in the Hindu Community</p> <ul style="list-style-type: none"> Look at this picture below, what do you think these people are doing? Watch this video and write a diary entry as Simran, the young girl on a pilgrimage to the Ganges. 	
Art	<p>Shading skills Shading is the effect that we add to our pictures to create the illusion of space, form and light. It can help make our 2D drawings appear 3 dimensional and more realistic. We can do this simply by using a pencil.</p> <ul style="list-style-type: none"> Draw a square. Using one of the methods below, shade the circle moving from one side of it to the other. Try to keep your pencil grip loose and your pressure light and constant. Draw other squares and try out other techniques – which works best, it easiest, is more effective? 	<p>You will need Paper Pencil *Support</p>
Computing	<p>People in Computing</p> <ul style="list-style-type: none"> Research one of the important people in the history of computing. Use pictures and words to show your research. Display your research in a PowerPoint, poster, word document, you decide! 	<p>Support: See list of people below.</p>

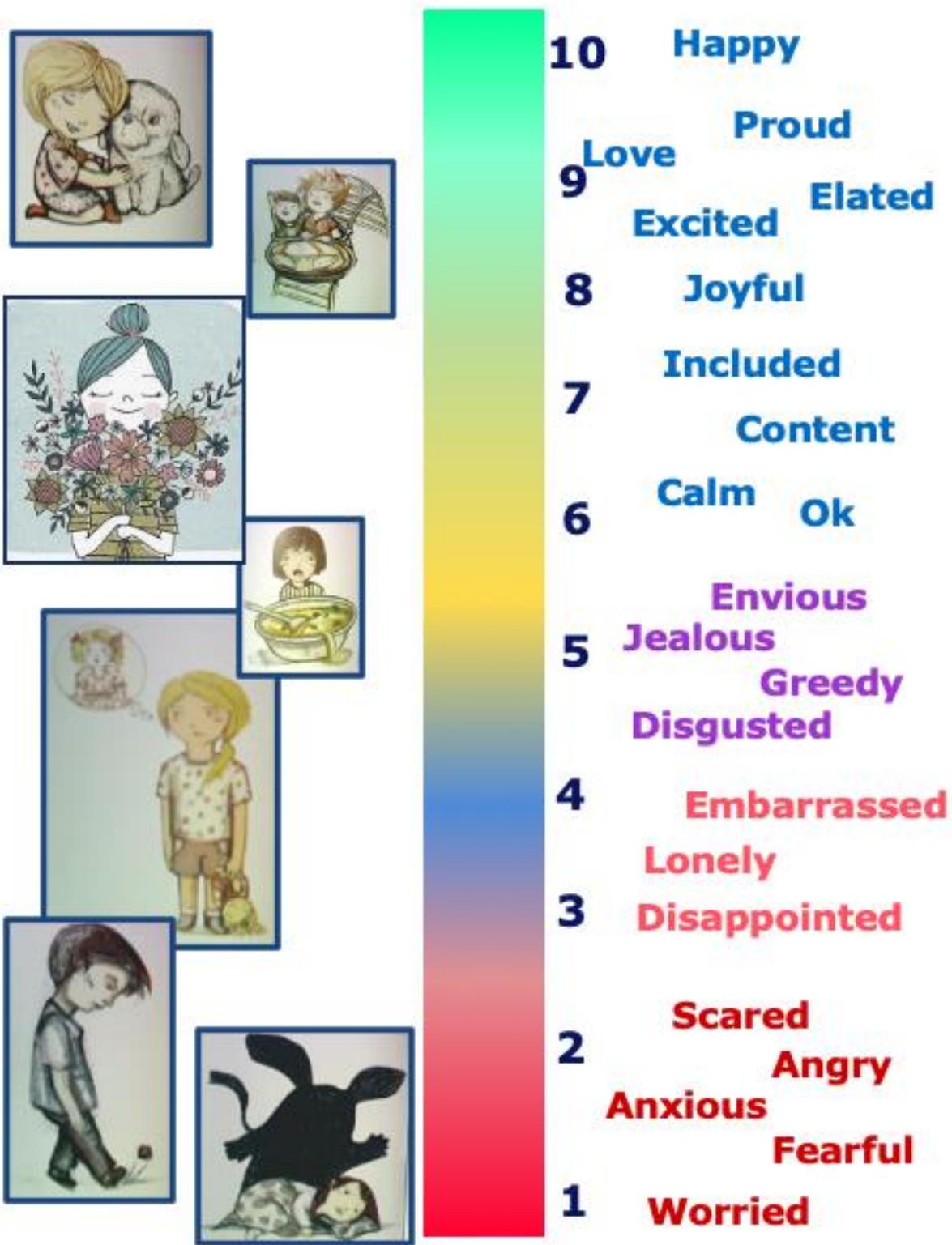


Here are some fun challenges suitable for the whole family.

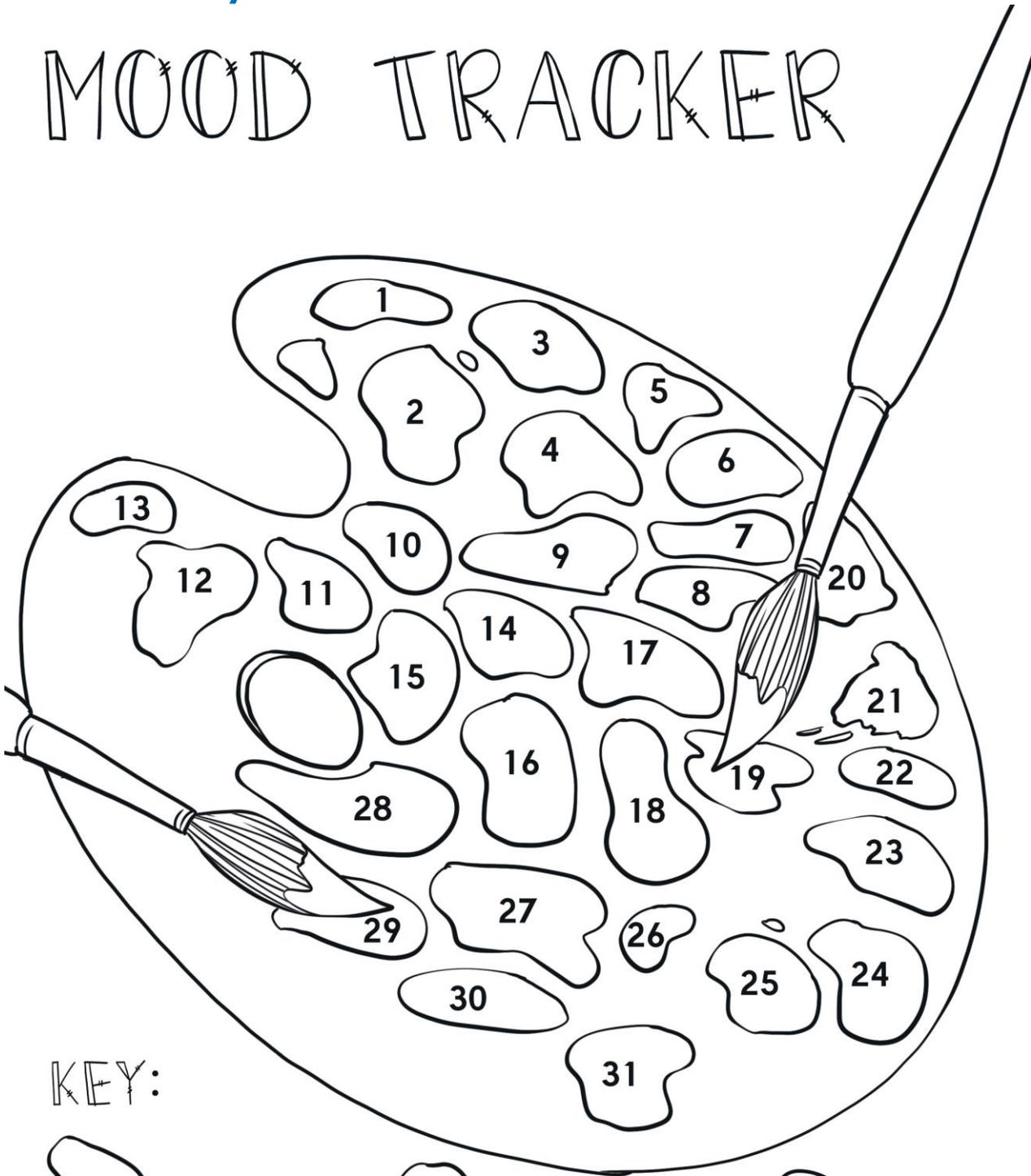
Summer 2 Week 3

1. To talk about	What would happen if we all looked the same?
2. To do	Sit and meditate for one minute in silence. Can you stop your thoughts?
3. To investigate	Can an egg float?
4. To find out more about	Someone who changed the world.
5. To design	A new cereal
6. To learn	How to sign your name in sign language
7. To draw	Your favourite animal
8. To create	Toilet roll figure. Use the empty roll and create a new figure- animal, superhero, alien etc.

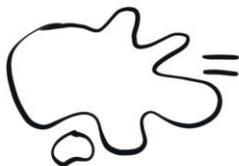
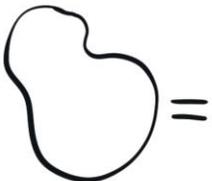
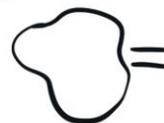
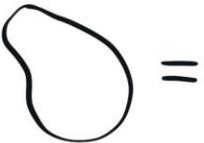
Feelings Thermometer



MOOD TRACKER



KEY:



Science - Support



Equipment:

- 2 uncooked eggs
- 2 jars
- Measuring jug
- You will also need to choose 2 types of liquid. Choose from water, fizzy flavoured drink, tea or coffee and vinegar (if you choose vinegar, you might find something surprising happens!).

Method:

1. Place one egg in each jar.
2. Measure the same amount of your chosen liquids. Make sure you measure enough to cover the whole egg.
3. Pour each liquid into a different jar, making sure the whole egg is submerged.
4. Predict – what do you think is going to happen to each of the eggs? Why do you think that? What scientific links can you make to help with your prediction?
5. Leave for one week.
6. Observe the eggs closely, every day for one week. What do you notice?
7. Record your observations carefully each day. Do you notice any patterns?
8. After one week, carefully remove the eggs from the liquid. If you used vinegar in your investigation, carefully rinse the egg and rub gently. What effect has the vinegar had on the egg?

Record your observations in this table using words or pictures.

Egg 1 – Liquid:						
Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 6

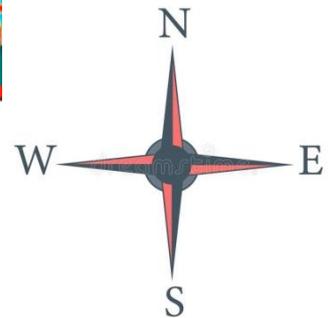
Egg 2 – Liquid:						
Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 6

Now present your findings in a creative way!

Geography - Support

North America

North America



Remember, as you travel east, you **add** an hour for each time zone. As you travel west, you **subtract** an hour for each time zone.

Q1. If it is 11am in Washington, D.C, USA, what time is it in Denver, CO USA?

Q2. If it is 5pm in Dallas, TX, USA, what time is it in Los Angeles, CA, USA?

Q3. If it is 11pm in Los Angeles, CA, USA, what time is it in Anchorage, AK, USA?

Q4. If it is 11pm in Mexico City, what time is it in Los Angeles, CA, USA?

Q5. If it is 6pm in Los Angeles, CA, USA, what time is it in Washington, D.C, USA?

PE - Task1 -strengthening exercises

Laying an Egg Workout (SQUAT!) –for building up strength in the lower body.

- Start with your feet shoulder-width apart and hands straight out in front of you.
- Lower yourself down into the squat position, stopping when your thighs are parallel to the floor.
- Make sure you press your weight back into your heels.
- Hold the position for two seconds and then push back up through your heels.
- Do five of these, take a 30 second break before doing five more.



Crab walking!

Crab walk to the bathroom to brush your teeth, crab walk to the door to get your shoes, crab walk to the kitchen and get a drink, crab walk ANYWHERE. Inside or outside at home

Can you maintain the strong shape and not drop your bottom?



How to change it up: Too easy?

- Place something on your tummy and see if you can crab walk without it falling off.
- Do a crab dance...lift one hand up and hold it for 5. Try a foot. Amazing core work!

Wheelbarrow Walking: Choose 1 or 2 challenges only!

- Lay your stomach on the floor. An adult needs to hold your knees (easier) or ankles (harder)
- Walk your hands forward 10 steps and backward 10 steps.
- Can you walk forward to a ball and put it in a basket?
- How long can you hold this position?



How to Change it up:

1. Place an object on your child's back and see if they can - get it across the room without it falling off.
2. Can you tap a balloon, keeping it up in the air in front of you as you walk?
3. Wheelbarrow walking across the room to retrieve items.

Chair or wall sits:

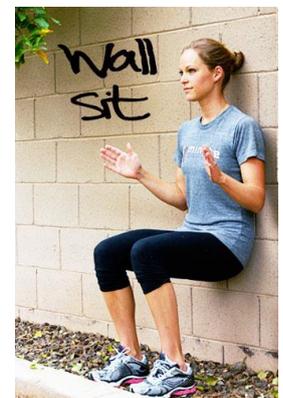
Stand with your back against a wall.

Slide your back down the wall as if you're going to sit in an imaginary chair.

Aim for a 90 degree position at the hips and knees and HOLD IT!

Relax arms down, fold across chest or copy the picture!

Try NOT to press your hands down onto your legs!



RE – Pictures

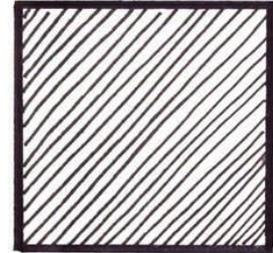




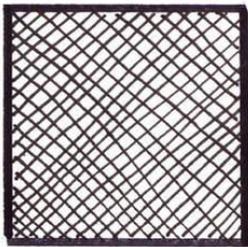
Art - Shading skills

These are many different techniques that you can use to create the illusion of light and shade. The main rule is that the more marks you make, the darker your work will appear. The less marks you make, the lighter your work will appear

Hatching – lines run parallel to each other. They can go vertically, horizontally or diagonally but all go in the same direction. When are closer together they look darker - further apart they appear lighter.



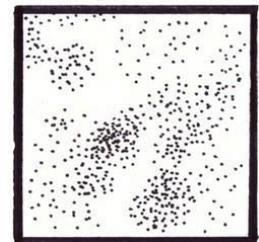
they



Cross hatching – the same as hatching but this time you add a second set of lines over the first. Again, these can be in any direction but run parallel to each other.

Stippling – to do this, you need to create a large amount of dots with the tip of your mark making material. You need to be very controlled when you do this, otherwise your dots will start to look like little lines ticks!

What happens when you put the dots close together – or far apart?



or

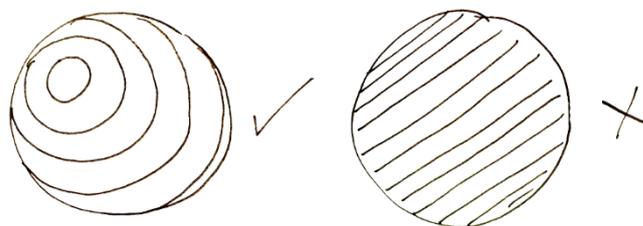
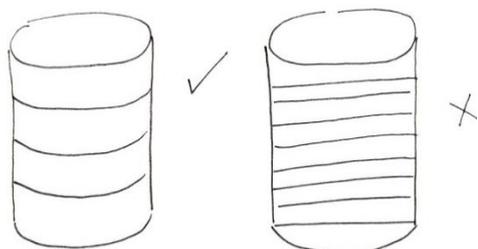


Scumbling –(sometimes known as scribbling) is when you create areas of shade using small random curly marks, squiggles or even figures of 8. Keep your hand nice and relaxed when you are doing this.

Contouring – rather like hatching this technique is about creating lines but this time they follow the shape of the object you are colouring in. Practise first by drawing a curved or wavy line and then copy it making similar lines evenly spaced.



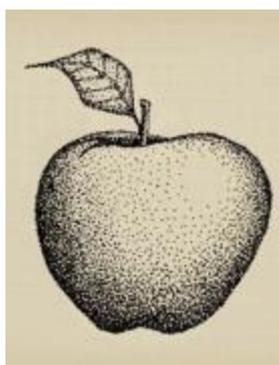
You can then try the same technique by drawing something that would have a curved surface like a can or a sphere. Look at the examples below to help you. Notice how the curved lines help the object appear more 3D.



Examples in artworks



Hatching



Stippling

Cross hatching



Scumbling



Computing

People in Computing options:

Ada Lovelace

Charles Babbage

Grace Murray Hopper

Bill Gates

Heddy Lamarr

Steve Jobs

Alan Turing

Tim Berners-Lee