



Cross Curricular

Welcome to Cross Curricular Friday! As part of the Hampshire School Games Week, we have selected a few different cross-curricular activities for your school to choose from, helping to build fun physical activity into your learning, including Maths, Literacy and Creative activities for your pupils.

Key Stage 2

Maths Activity – Statistics, Decathlon & Top Trumps

Literacy Activity – Create an leaflet to the FIFA Women’s World Cup

Creative Activity – Create a Mascot or Design your own kit

There are 3 Maths based activities for KS2 Statistics, Decathlon & Top Trumps.

Maths Statistics Task

This task could also be used in a basic form with Year 2.

You will need:

Coloured cones or markers – ideally Red, White and Blue which are the same colours as the Great Britain Flag. If you have not got these colours any colour will do OR alternatively you could use 3 different colours to represent the medals Gold, Silver and Bronze.

Stopwatches, Clip boards, Recording Sheets, Pencils

Task

The task is all about collecting and presenting data.

Each cone represents the colours on the Union Flag.

OR

You could always use 3 different colours to represent the medals – Gold, Silver and Bronze.

Setting up the class

Divide the class into smaller groups. 6 – 8 small groups would be ideal. 2 Smaller groups will be working together in the practical tasks as follows:

E.G Group 1- Timing and Recording data.

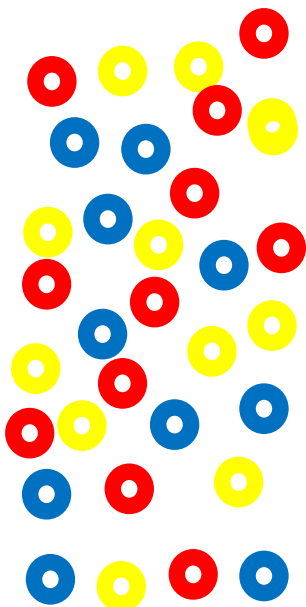
Group 2- Completing the activity (working group).

Having recorded the data the groups swap over jobs.

Setting up the task

Start by spreading out the cones in a random order at one end of the playground, ensuring there is space between them to move about.

The working group starts about 15 m away from the cones, behind a line marked on the floor. Each Group completes a relay to collect as many cones as they can in 2 minutes. Only one person can run at a time and they can only collect one cone at a time, it doesn't matter what colour cone they collect. (The time can be shorter or longer depending on the number of cones your school have and the distance you want the children to run.)



Recording Group and Timer

While they are completing the activity another group needs to record the following information:

Total number of coloured cones your group collected in 2 minutes.

How many Red cones

How many Yellow cones

How many Blue cones

Differentiation

To adapt the task for younger age groups don't worry about recording the different colours of cones or complete the task for less time etc.

Extension - record the colour order that the cones were collected in.

The data could be collected and the information presented in a suitable way e.g tally charts, pictograms, tables, pie charts, graphs etc. Why not put the work on display on your school games noticeboard in school. Why not use other maths lesson that week to help interpret the data.



Data Recording Sheet


Group Names: _____

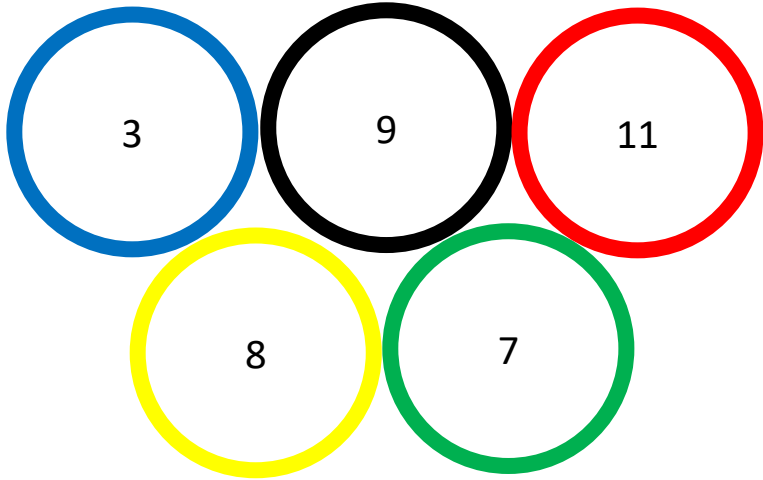
Cone Colour	Number Collected – Tally / Pictogram
Red	
Yellow	
Blue	


Total Cones Collected:

Maths Decathlon



The Decathlon is a 10-activity athletics event at the Olympics (and other competitions) that tests the competitors all round ability. Are you up to completing the 10 Challenges, some physical, some cerebral?

EVENT	TASK	SCORES														
<p>100m</p>	<p>PHYSICAL TASK</p> <p>HEART RATE: Whilst sitting still, take your heart rate by pressing 2 fingers against your neck or on your wrist. (Make sure you don't press using your thumb as it has a pulse and may distort the reading.) Count the number of beats you feel in 15 seconds then multiply this by 4 to get your RESTING HEART RATE in beats per minute. Eg $15 \times 4 = 60\text{bpm}$</p> <p>NOW: Run on the spot for 10 seconds (the 100m record set by Usain Bolt in 2009 is 9.58 sec) as fast as you can.</p> <p>AGAIN: Take your pulse. It should be easier to find! TASK: What is the difference between the 2 readings?</p> <p>ONCE MORE: Take your pulse again. TASK: What is the reading now? What is the difference between the second and third reading? Is it higher or lower?</p>															
<p>SHOT PUT</p>	<p>FACT: The Men's World Shot Put record is 23.38m by Ryan Crouser (USA) in 2023. How many throws/puts would it take Crouser to reach 100m if he put each shot from where the previous one landed?</p> <p>100m</p> 															
<p>110m HURDLES</p>	<p>There are 10 hurdles in this race. The length of the track is 110m.</p> <p>QUESTIONS: How far apart should the hurdles be if the first one is set at 13.5m from the start line?</p> <p>What is the distance from the last hurdle to the finish line?</p>															
<p>LONG JUMP</p>	<p>FACT: Greg Rutherford won Olympic Gold in London by jumping 8.51m, one of 65 medals won by GB in 2012.</p> <p>Here are the total number of medals won by GB in the past 6 Games. Can you present this information in a graph with the year on the horizontal axis (x) and the medals won on the vertical axis (y)</p> <table border="1" data-bbox="336 2004 1225 2080"> <thead> <tr> <th>YEAR</th> <th>2000</th> <th>2004</th> <th>2008</th> <th>2012</th> <th>2016</th> <th>2020</th> </tr> </thead> <tbody> <tr> <th>MEDALS</th> <td>28</td> <td>30</td> <td>47</td> <td>65</td> <td>67</td> <td>64</td> </tr> </tbody> </table>	YEAR	2000	2004	2008	2012	2016	2020	MEDALS	28	30	47	65	67	64	
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MEDALS	28	30	47	65	67	64										

<p>400m</p>	<p>The world record for one lap of the track (400m) is 43.03 secs held by Wade van Niekirk (RSA)</p> <p>Here are the times recorded by the finalists at the Tokyo Olympics: 43.85s; 44.08s; 44.19s; 44.21s; 44.31s; 44.79s; 44.94s; 45.07s</p> <p>What was the Gold Medal time? What was the slowest time? What was the Bronze Medal time? How far behind was 4th place from first? What was the time difference between first and second place?</p>	
<p>HIGH JUMP</p>	<p>PHYSICAL TASK</p> <p>STANDING HIGH JUMP:</p> <ul style="list-style-type: none"> • Stand up against a wall making sure there is a space around you and that you can make 2 marks on the wall above you (without making permanent damage!) • Reach up as high as you can without jumping and make a mark using chalk, flour/talcum powder or a post-it. This is your start mark. You may need a partner to help you. • Now jump as high as you can and make a second mark or get your partner to do it for you. • Measure the distance between the two marks. This is your score. How can you get higher? Think what you need to do technique-wise. <p>Imagine jumping higher than you are tall plus some. That is what the world record holder did!</p>	
<p>DISCUS</p>	<p>Olympic Rings:</p> <p>Rearrange the numbers in the rings so that the total of the top rings is the same as the total of the bottom rings.</p> 	

<p>POLE VAULT</p>	<p>ANGLES: angles are very important in sport as by getting them correct, a sports player can take advantage.</p> <p>TASK: Draw on the angles in these Olympic Icons. There may be more than one per icon.</p> 	
<p>JAVELIN</p>	<p>PHYSICAL TASK PAPER AEROPLANE JAVELIN:</p> <p>Make a paper aeroplane then test out how aerodynamic it is by trying to throw it as far as you can. You will need to go outside into a big space.</p> <p>How far is your furthest throw in meters?</p> <p>FACT: The Men's Javelin world record is 98.48m and the Ladies is 72.28m</p> <p>The world record paper aeroplane throw is 69.14m</p>	
<p>1500m</p>	<p>FACT: The Men's 1500m record is 3:26:00 and was set in 1998.</p> <p>How long ago was that?</p> <p>The Women's 1500m record is 3:50:07</p> <p>What is the difference between the Men's and Women's records?</p>	

FIFA Women's World Cup Finals – Top Trumps

TOP TRUMPS	
	
Beth Mead	
DATE OF BIRTH	09-05-1995
TOTAL NUMBER OF APPEARANCES FOR COUNTRY	50
TOTAL NUMBER OF GOALS SCORED FOR COUNTRY	29
TOP TRUMPS RATING	3

Example card

HOW TO CREATE THE TOP TRUMPS

- Divide the class into groups of 4-6
- Ask each group to pick 4 countries that are competing at the Womens World Cup in Australia. Make sure each group choose different countries.
- Get each group to research players from those 4 countries finding out the information on the example cards:
 - Date of Birth
 - The total number of appearances made by those players
 - The total number of goals scored by those players
 - The Top Trump Rating. Rank all the players from 1 (the best) to however many cards they make. This may involve some discussion.
- Get each group to fill in four cards with the information they have found out. Make them as colourful as possible and as neat as they can. (The templates should be copied onto card so that they last. Later, they could be laminated).
- Finally, and carefully, cut out the cards ready to play the game.
- Gather in the cards and shuffle them. You are now ready to play.

INSTRUCTIONS OF HOW TO PLAY TOP TRUMPS:

- Give each group 4 random cards face down and tell them not to look at the cards.
- Choose one group to go first.
- Each group turns over their top card. The group going first decide between themselves, the category they are going to use, eg: Total number of goals scored. They should try to pick a category they think will out do the other groups (The highest number) A spokes-person for that group than calls out the category and the number. The other groups check their number for that category. Whichever group has the highest number, wins all the other cards.
- The winning group than gets to choose the next category on their second card.
- Repeat this four times.
- Date of Birth – oldest player wins
- **The aim of the game is to win as many cards as possible.**

TOP TRUMPS

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DATE OF BIRTH

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TOTAL NUMBER OF APPEARANCES
FOR COUNTRY

--

TOTAL NUMBER OF GOALS
SCORED FOR COUNTRY

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TOP TRUMPS RATING

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Literacy

FIFA Women's World Cup Leaflet / Brochure

Aim: To allow the pupils to explore different ways of using language to persuade, by creating a brochure/leaflet to encourage people to go and support the FIFA Women's Football World Cup in Australia and New Zealand.

What to Include:

Information about the Women's Football World Cup.

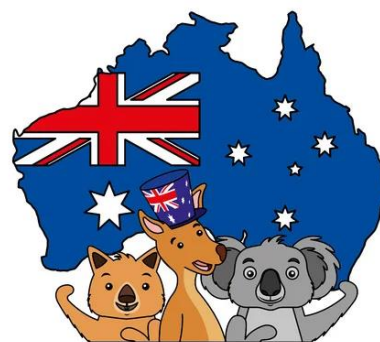
- Date of the Games 20th July – 20th August 2023
- Number of nations taking part 32 (extended to mirror the Men's World Cup)
- Number of Matches 64
- The host Australia and New Zealand.
- Venues for the matches: Australia: Adelaide, Brisbane, Melbourne, Perth, Sydney
New Zealand: Auckland, Dunedin, Hamilton, Wellington
- The Mascot of the World Cup: Tazuni: a penguin that stands for unity
- The history of the Women's World Cup and how it has grown over the years.

Present your leaflet:

You could fold your paper in 3 and have a different section of information on each part or just fold the paper in half so that it turns like the page of a book.



REMEMBER: Make your brochure as eye catching and easy to read as you can. Maybe you could ask another class what they think of your leaflets and display them for everyone to have a look at.



Creative Design a Mascot

Aim: To design and create a new mascot for your School that could be brought to events/competitions/matches/Sports Day and even given to your Weekly Top Sports Performer to look after for the week.

What you may like to include:

- Your School's colours
- Your School Motto or Values
- Something that reflects your school history or location
- A catch phrase

What to do:

Decide what your mascot is going to be. Animal, robot, person, fantasy creature etc

Decide what you are going to make the mascot from. It could be a cuddly toy dressed up, a 3D model, an object adorned. It could even be a costume for someone to wear.

Be creative.

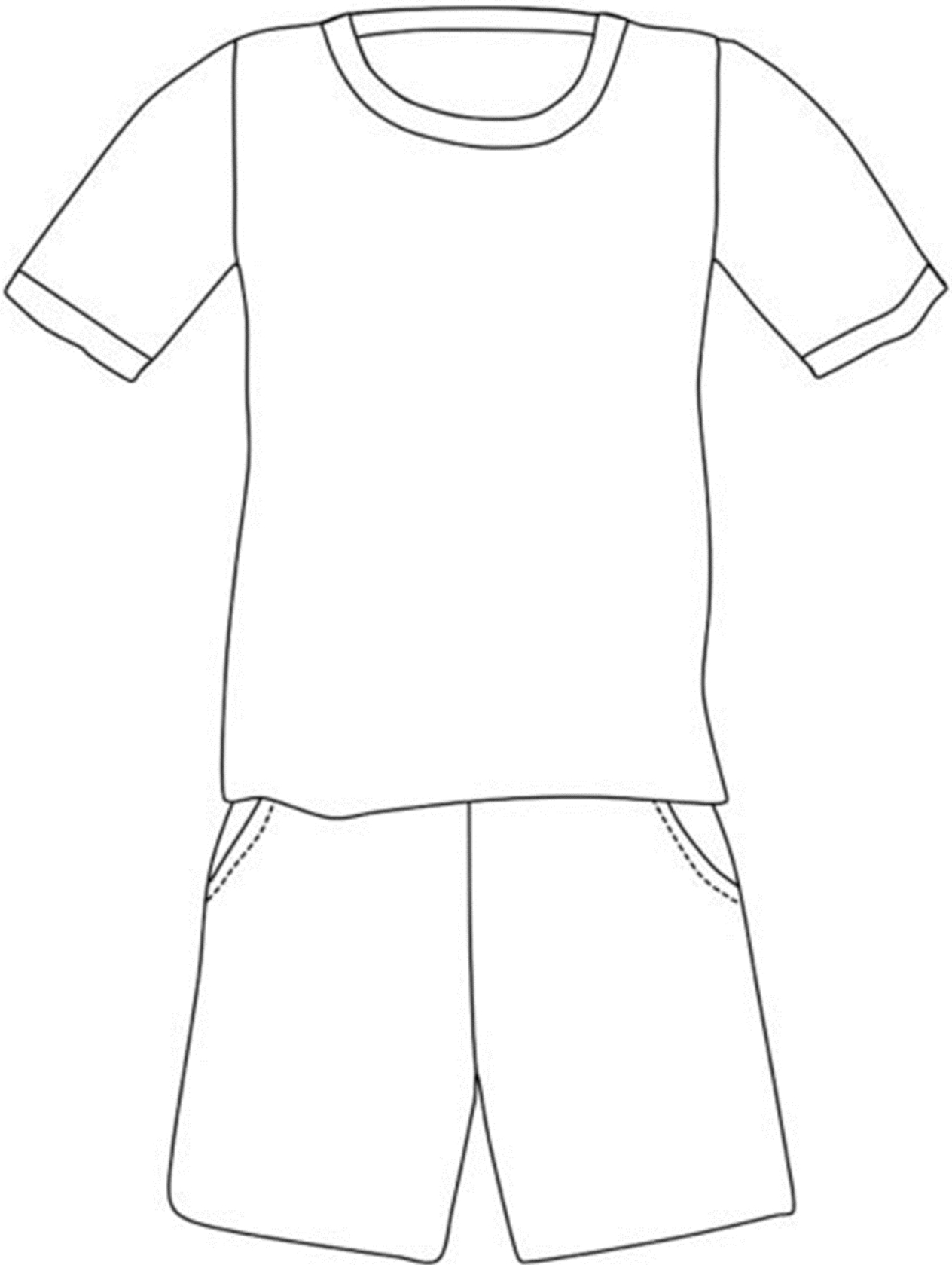
Get each pupil to draw a design or do this in small groups then choose the best one to make. (Vote or follow a brief)

Use whatever resources you can get together to make your mascot.

Each group could make one or each class. Make sure you show them off in assembly and at your sporting events. Hopefully, they will bring your team's luck!



Alternatively, this summer the FIFA Women's Football World Cup Finals are taking place in Australia and New Zealand, can your pupils design their own world cup kit.





**We're so glad that you've decided to get involved with
Hampshire School Games Week 2023.**

**If you want to share photos and updates to show us how much
fun you've had on Cross Curricular Friday, add your own
comments to this padlet:**

[https://padlet.com/Energise Me/hampshire-school-games-week-2023-cross-curricular-5z7prkqymhro8mzj](https://padlet.com/Energise_Me/hampshire-school-games-week-2023-cross-curricular-5z7prkqymhro8mzj)