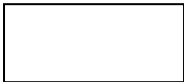


Mathematics

- Look up the average price of petrol over the last 10 years, once you have collected this data, record it on a graph.
- Collect motorbike advertisements from newspapers, online catalogues, etc and order them according to different criteria; cost, power, age.
- Find the difference between the fastest and slowest speed ever recorded in a race.
- Over a week, every time you are out in the car, tally how many motorbikes you see, and graph results.
- What is the distance of a Motocross track? Record this in kilometres, metres and centimetres.
- Look up the British Motocross Championship Calender. When is the next event? How many months, days, hours until the event?
- Create a number code for the alphabet (e.g. a =1 b=2 be a bit more adventurous than this example) write your theme words using this code – can anyone crack your codes?!
- Now ask an adult to write some addition, subtraction, multiplication and division sums in this code. Can you decode these and then solve them?
- A motocross track has been built in a field:

200m



400m

Find the area and perimeter of the field. Can you record it in metres and kilometres?

Science

- Print off an image of a motor bike and label the parts. Now explain how a motorbike works, paying particular attention to the engine (CC: English, Genre of writing: Explanation).
- Bikes run on petrol; why does the bike need petrol to work? Where is petrol sourced from?
- Classify (group) bikes according to their engine size.
- List the similarities and differences between an engine motorbike and an electric motor.

Learning by Topic Framework

Motocross



English

- **Theme/Spelling words:** circuit, enclosed, championship, competition, annual, veterans, national, manufacture, motorcycle, customise.
- List spellings in alphabetical order, write synonyms and antonyms for words (where appropriate), create a crossword puzzle for your theme words, write your theme words in sentences or use all of them in a short story.
- Write sentences about Motocross that includes the use of similes, metaphors, alliteration and personification.
- List 10 questions you would ask your favourite Motocross rider if you got the opportunity to meet them. Next watch some interviews with them on you tube and try and write down some answers for your questions (how you think/know they would answer the question). Now have some fun and voice/record or film the interview – getting a family member to be one of the voices OR changing the tone of your voice between characters! Have fun with it! (CC: Drama, Script writing)
- Write an acrostic poem with the word 'Motocross'.
- Do you think there is a suitable place in your local community for a new Motocross track? Write a letter to your local councillor to persuade them it is a good idea; explain how it could benefit the community. (CC: PSHE, Genre of writing: Persuasive)
- How do you think the winner of a championship feels compared to the rider that comes in last place? List some adjectives to describe the feelings of both riders. Now compare these two lists - they are probably quite the opposite of each other! How do you think the rider who came in last place picks themselves back up from their disappointment? (CC: PHSE, Genre of writing: Discussion)
- Watch a past Motocross Championship (perhaps on you tube). Now imagine you are a sport journalist and you need to write a newspaper article about what you just witnessed. Remember to include a catchy headline! (Genre of writing: Factual Recount)

History

- Research the history of the sport. You could draw a timeline to record this.
- What is the origin of the name 'Motocross'?
- Who invented the motorbike?
- What are the differences and similarities between the very first bikes and today's bikes? You could draw a flow chart and print off some images to show how the motorbike has evolved.



Art / Design and Technology

- Design (by drawing and labelling) a Motocross kit for yourself; consider your colour theme, any logos/emblems and make sure you include the whole kit – helmet, gloves etc.
- Make the helmet you designed using recyclable materials or Paper Mache.
- Create a comic strip about Motocross (CC: English)
- Draw and paint OR create a Motocross track model.

Learning by Topic Framework

Motocross

Geography

- Where are the major Motocross Championships held? Locate and mark them on a world map.
- Which Championship is the closest to where you live?
- Choose one of these competitions and design a brochure/leaflet that will encourage people to travel to the event. Consider what other interesting things might entice people to this place; sightseeing, food, etc.(CC: English, Art/DT)

Key:

CC: Cross Curricular

PSHE

- Some people would argue that Motocross is a dangerous sport; what is your point of view? Write some arguments to support your point of view.
- Is there any way to make this sport safer? Example: warning signs, lights, noises to alert riders?
- Electric motorbikes are beginning to be sold more frequently as people consider their environmental footprint. Do you think there is a place for electric motorbikes in the future of the sport? Discuss pros and cons (CC: Science, English)