

Science

Can you invent a new type of vehicle?

Using what you have learnt about materials and their properties, we would like you to come up a brand new vehicle idea. You can be as imaginative as you wish!

Factors to consider

Purpose

What is it for?
Who will use it?
Why is it needed?

What **materials** will be **best**
for which **function**?
How will it **move**? (e.g.
electric, wind, solar)

You should:

1. **Think about what type of vehicle you want to invent.**

Get ideas by researching other vehicles - find out what materials they're made of, what they do, what they can't do. You could combine ideas together to make your own kind of hybrid.

2. **Draw a diagram of your vehicle and give it a name.**

Make sure you label each part, it's material and why that material was suitable. Remember to include the inside of your vehicle too, and any cool things it can do!

3. **If you can, build a miniature replica of your vehicle.**

You could use materials you find around the house to make it. Ask an adult if you need any help!

Remember to send in photographs of your inventions. You could even do a "documentary" style video explaining all the different parts!

Week 6 - TT Races!

Can you walk, cycle or run the length of TT course? It's roughly 37.3 miles.

Design a new fun fair ride that could join down on the promenade!

Imagine you're going to watch the bikes for the day - write a shopping list for the ultimate TT picnic (you could maybe even have it in your garden or at the park!)

Listen to Riding in the TT Races sang by George Formby.
<https://www.youtube.com/watch?v=eayllywNxUw>

Can you write your own TT song? Maybe create some percussion to accompany using your body or objects around the house!

Design leathers and a helmet that you could wear if you were a TT rider.

People from all over the world visit the Island for TT fortnight - find out which countries and learn how they say hello!

Create a poster reminding people how to stay safe on the road!

Topic

What is the history of the TT Races?

1. Who started it and why?
2. Has it always been the same course?
3. What are some of the key events that have happened throughout the history of the TT?
4. Have there been any years it hasn't happened?
5. What is the course speed record?
6. Who are some of the most famous riders?
7. Are there any other similar events around the world?
8. Would you ever like to take part in it? Why?

Look at the information pack by Geoff Cannell all about the history of the TT.

www.iomtt.com could be a useful site to explore!

You could present your information as a written poster, you could do a video, make a powerpoint presentation or design it on a tablet or computer.

Interview time!
You could:

Ask members of your family what they like and dislike most about TT. Are they going to miss it not happening this year?

Imagine you are to interview a TT rider, what questions would you ask them?

Maybe pretend to be the rider and answer them!

