



Maths

Today is St George's Day! St George is patron saint not only of England but also of Aragon, Catalonia, Georgia, Lithuania, Palestine, Portugal, Germany and Greece; and of Moscow, Istanbul, Genoa and Venice. Here are the flags for some of these countries:

England



Georgia



Portugal



Greece



Istanbul (Turkey)



Palestine



1. Choose one flag and identify all the parallel and perpendicular lines.
2. Choose a different flag and estimate the size of 4 angles – think about whether the angle is acute/obtuse to guide your estimation.
3. Choose a different flag and a colour on it. Calculate the fraction of the flag that is your chosen colour. What is that as a percentage?
4. Choose a different flag and show its lines of symmetry.
5. Choose a different flag. If it has lines of symmetry change the design so that it is no longer symmetrical. If it does not have any lines of symmetry, change the design so that it has two lines of symmetry.

English



Use this photograph as your inspiration to **think** and **write** using the following pattern of sentences:

- Sentence 1 Must contain a fronted adverbial.
- Sentence 2 Must include a simile.
- Sentence 3 Needs to include a possessive apostrophe.
- Sentence 4 Must be in the passive voice.
- Sentence 5 Needs to be a question sentence.

Read your passage carefully – does it include everything? Have you used well-chosen vocabulary?

If you re-ordered your sentences, would it be more effective? If so, re-write it.

Science



- ~ What is this?
- ~ How does it work?
- ~ What does it power?
- ~ How old is it?
- ~ Who built it? Why?
- ~ What does it sound like?

Create an advertising poster for this piece of equipment using the information from the questions.

Challenge – How else can energy be created from renewable resources?