

Year 6

‘Electricity’ Illustrated Glossary Mini-Project

DEAR YEAR 6 – This electricity project was sent out 2 weeks before the Easter break and the completion date is TODAY (24.4.20)!! If you have finished this project well done! If not – you have today’s session to complete it. Good luck! If you have finished it, use today to complete the separately attached **electricity quiz**. The answers are on page 23 of the answer sheet. **Please mark before uploading!**

Further note: if you have NOT started the electricity project, either complete a basic short glossary of terms or complete the electricity quiz separately attached.

The project should be completed over a minimum of approximately **three 1 hour** sessions over 3 weeks. Science is a core subject and is as important to you and your English and Maths studies. Complete this project with a personal touch – in whatever way suits your personality. Upload evidence of how things are going each week and we will provide feedback. **Deadline for the whole project is Friday 24th April 2020.**

The Project

Fridays is Science Day for Year 6 when learning from home. Before the Easter break you have two sessions assigned to complete as much as you like but feel free to do more on other days if you enjoy the subject and particularly if you like drawing illustrations and diagrams which are important to help others understand. Your task is to create an informative glossary of key vocabulary words for those learning about **electricity and how it works** for the first time.

What is a glossary you might ask? A glossary is a list of words and their meanings. You often find glossaries at the back of a book full of difficult words you may not understand. Some of your words may have illustrations and diagrams to help.

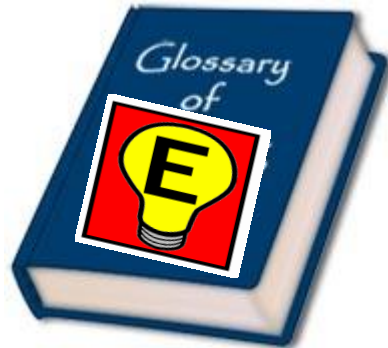
The most important thing for you is to learn or consolidate your understanding of how electricity works using as many of the key vocabulary words as possible from the list provided in this pack. Decide for yourself which words should be given priority in your glossary. At the end of the day it is YOUR glossary and your vocabulary choices should be those that you feel confident in explaining. As always – do your best and good luck!



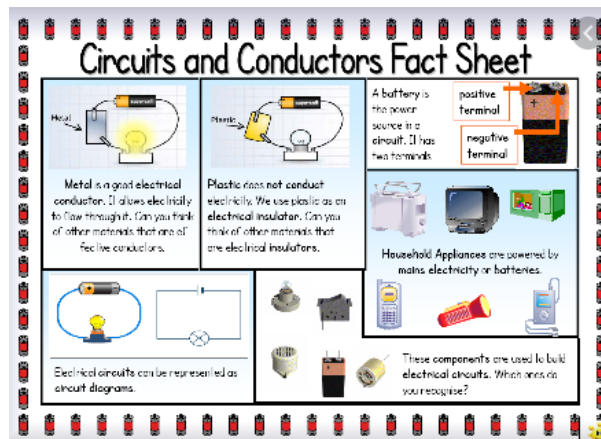
NB. We would love to see photos of these projects uploaded so we could see all your hard work via the LGFL site

How to present your illustrative glossary – the options

1. Use the various light bulb cards sizes provided in the pack to make a glossary booklet with 11 different key words explained and where possible illustrated on the back of each card. 11 words – one for every year of your life! Create your own cards if you do not have access to a printer.



2. Make a glossary poster using the light bulb cards as your heading and choosing no more than 11 words from the list. Draw illustrations and diagrams to support your definitions. (e.g. like the fact sheet below)



3. Make a mini display! Yes that's right - just like the displays you see at school. 11 key words/terms should be evident.



4. Make an interactive glossary by making your own **battery**-powered circuit and labelling it with key words and definitions.

KEEP SAFE AND USE A SIMPLE BATTERY POWERED CIRCUIT



Jumbled glossary

To check your understanding, the definitions for each word in the table have been jumbled to challenge you. Can you match the vocabulary word with its definition to help you make your illustrated glossary?

	Definition
Switch	a power source. A battery is a container filled with chemicals that produce electricity.
Insulator	a material that does not allow electricity to pass through it.
Conductor	a device which can control the flow of electricity.
Battery	a material that allows electricity to pass through easily.
Circuit	the source of electrical power, can be a battery or mains.
Mains	a path that allows electricity to flow through.
Power source	an electrical power source found in homes and other buildings.

Here are some other vocabulary words that you may decide to use in your illustrated glossary.

Voltage Danger Electricity safety Brightness Volume Switches
Sign Circuit diagram Bulb Buzzer Motor Electron Wire

Can you think of others?

Here are some useful websites and videos to help you in your understanding

Interactive games/activities: <http://www.primaryhomeworkhelp.co.uk/revision/Science/electricity.htm>

Wow Science Site: https://wowscience.co.uk/index/?_sft_category=electricity

BBC Skillswise Site: <https://www.bbc.co.uk/bitesize/topics/zj44jxs>

Introduction to electricity: <https://www.youtube.com/watch?v=Uf76pThNXZc>

What is Electricity? <https://www.youtube.com/watch?v=oB1v-wh7EGU>

The History of Electric Vocabulary: <https://www.youtube.com/watch?v=MBRTR2dlwvA>

Home experiments

If you like Science -and in particularly electricity - here are some fun links to experiments that you can do at home that are SAFE.

<https://frugalfun4boys.com/awesome-electricity-projects-for-kids/>

http://www.lovemyscience.com/cat_electricity.html

<https://iswitch.com.sg/fun-static-electricity-home-experiments/>

Please make sure whatever you do you are SAFE. Remember science can be dangerous if handled in the wrong way.

Recommended songs to listen to with electric/electricity in the title

Are Friends Electric

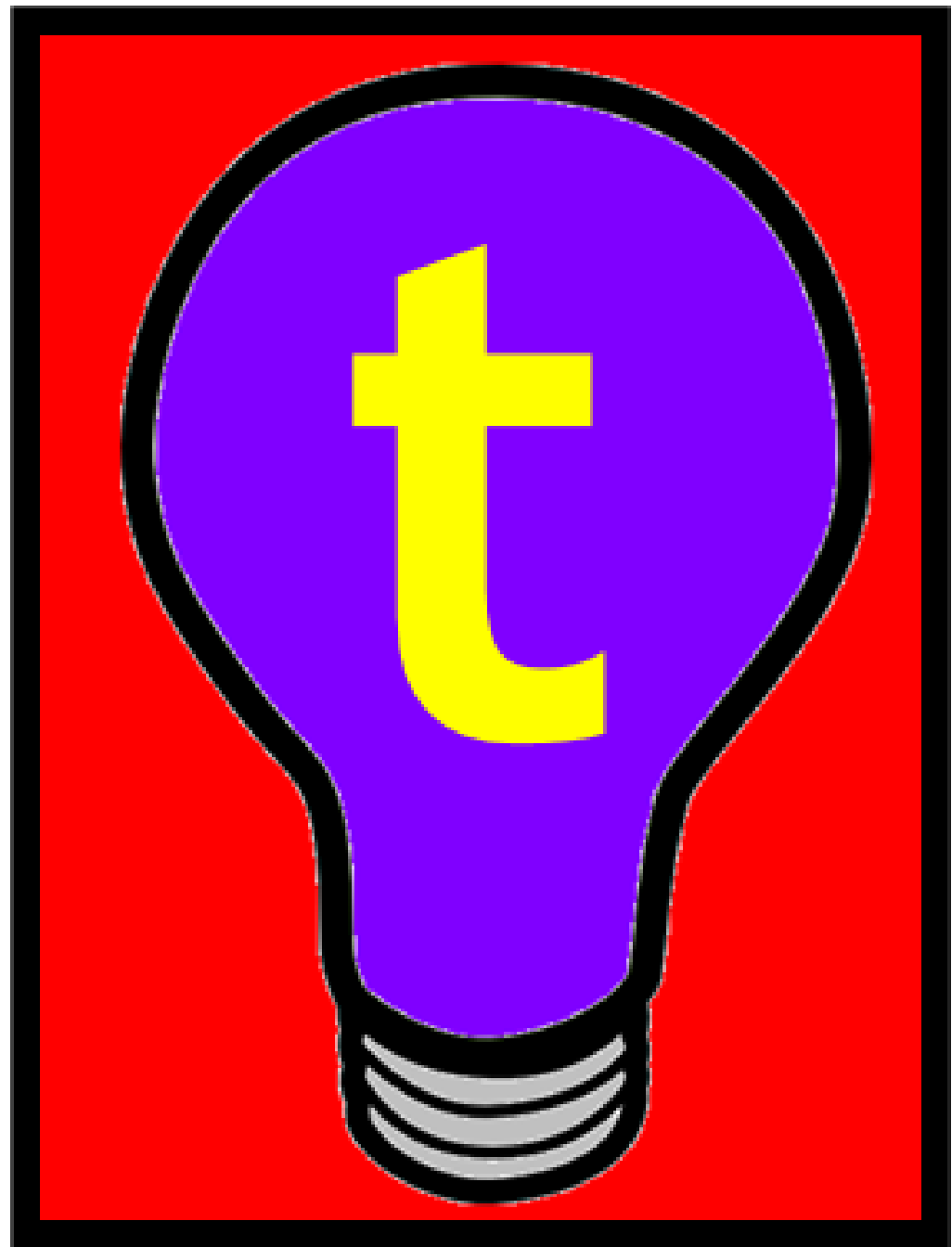
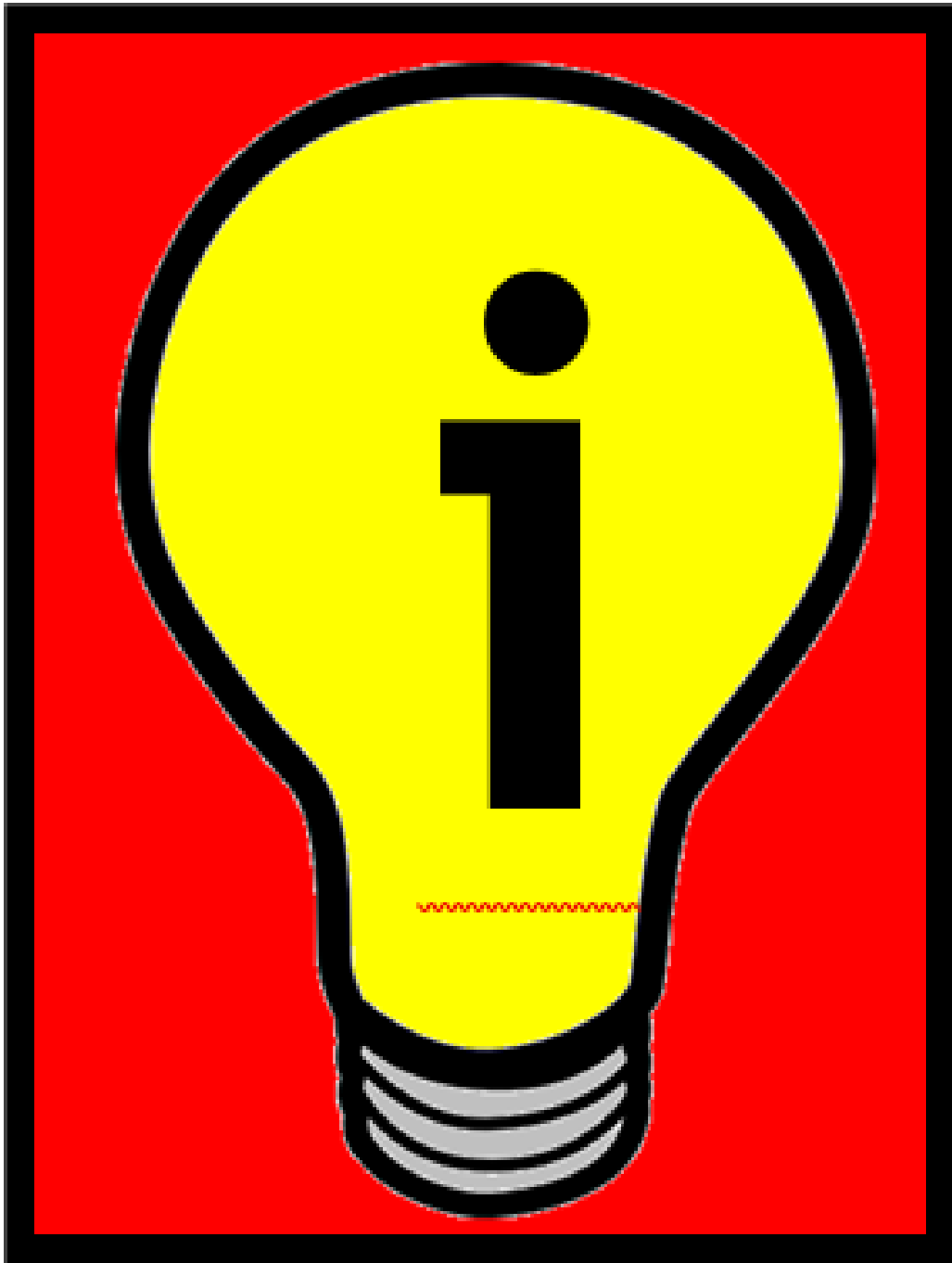
Tubeway Army

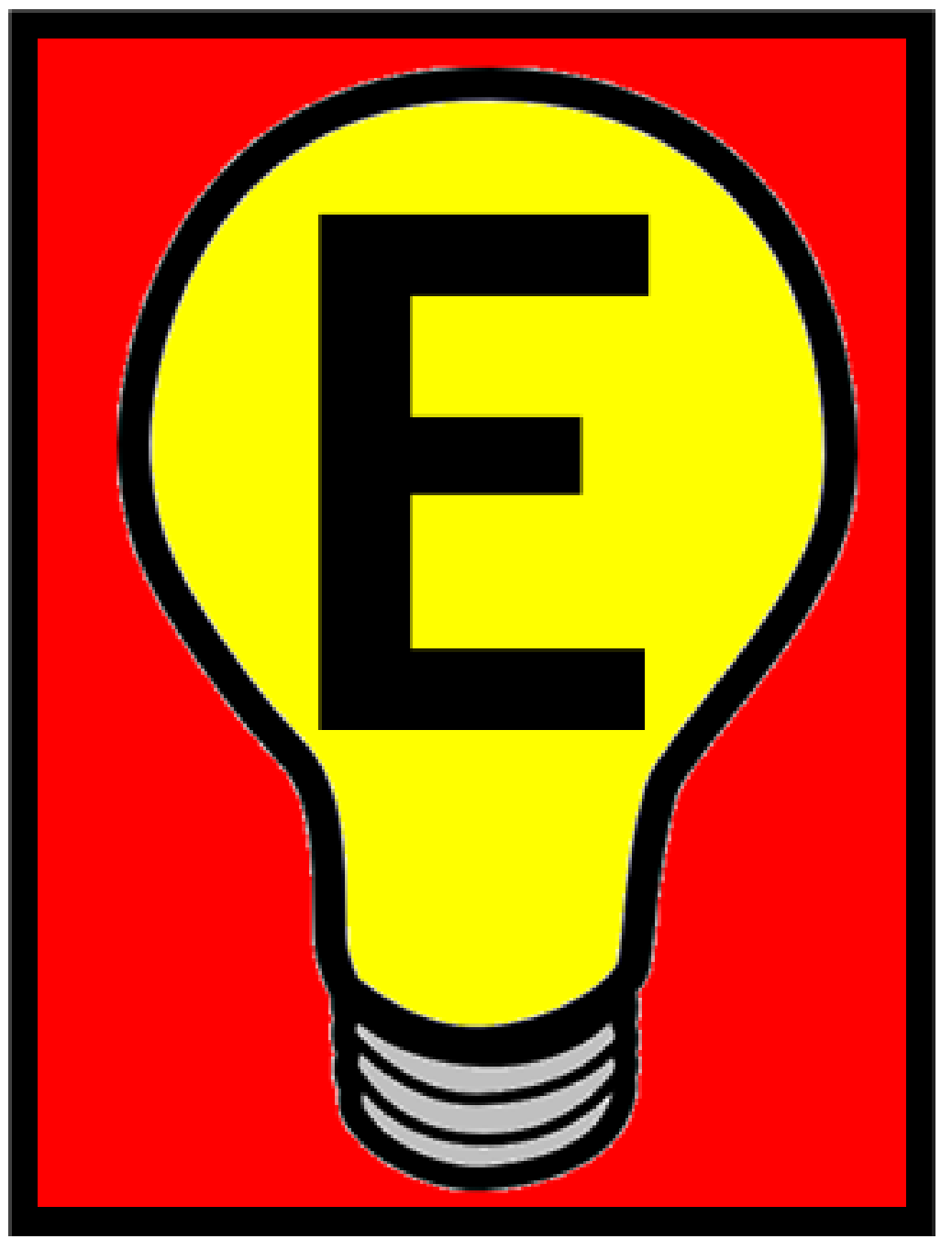
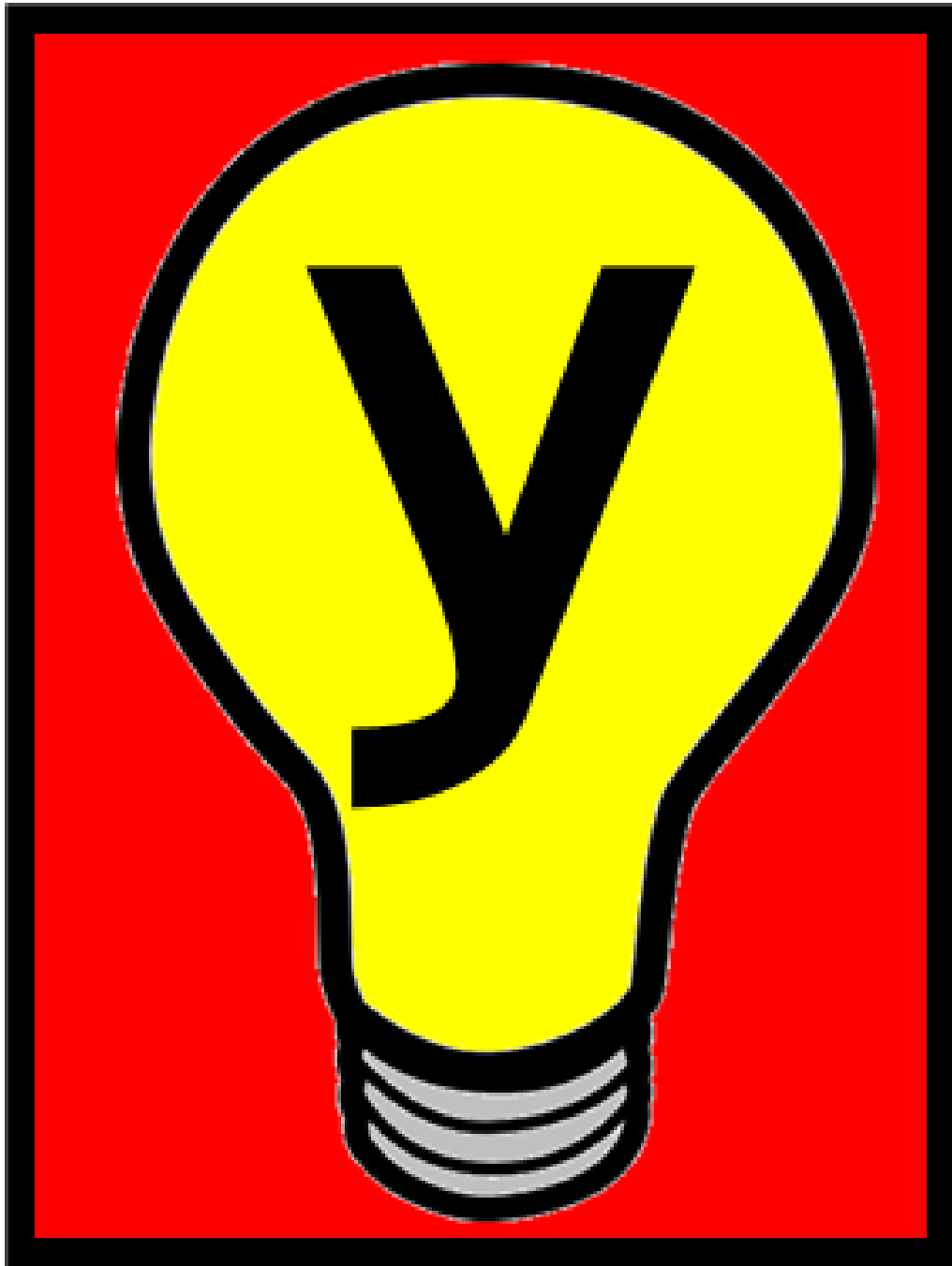
Electric Avenue

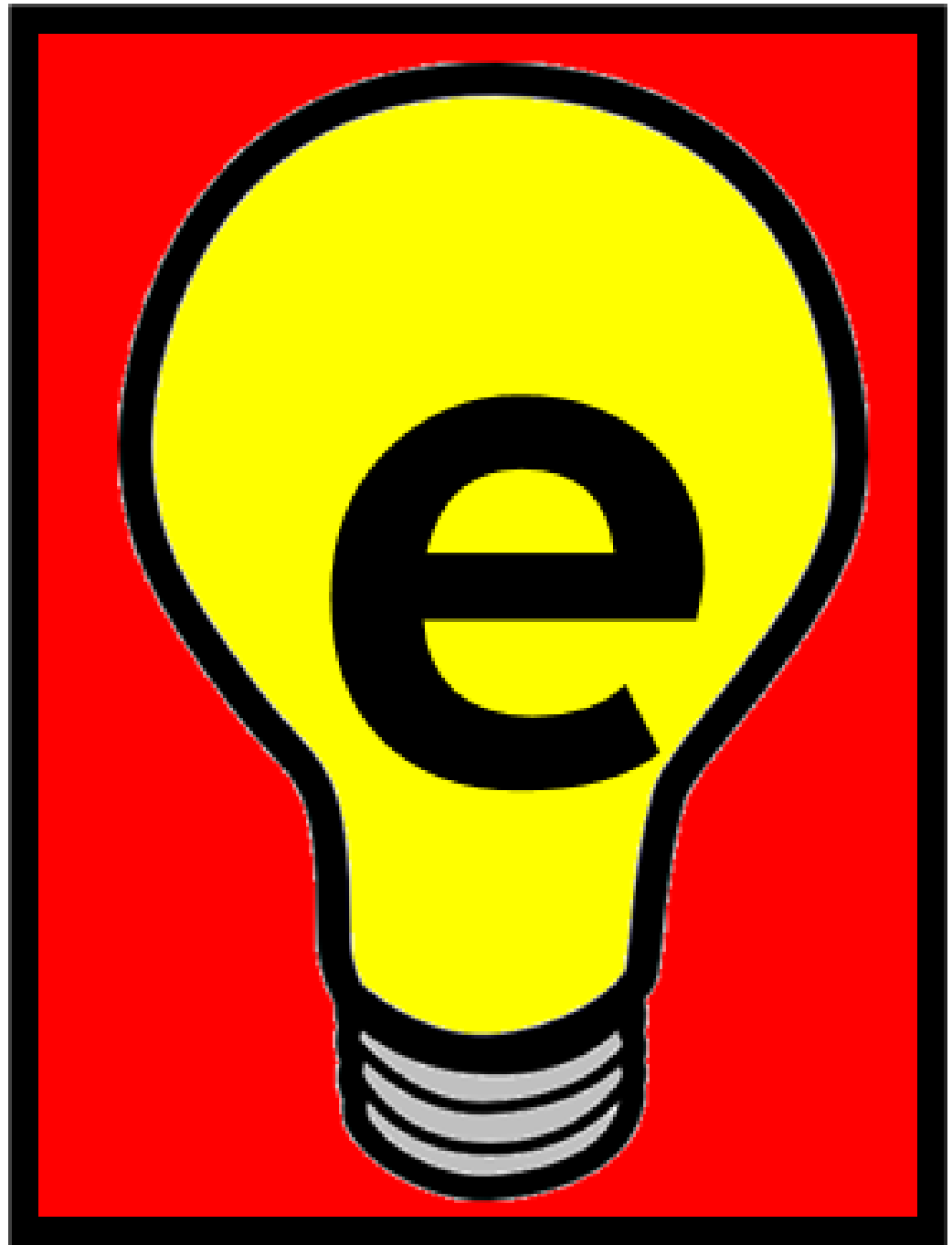
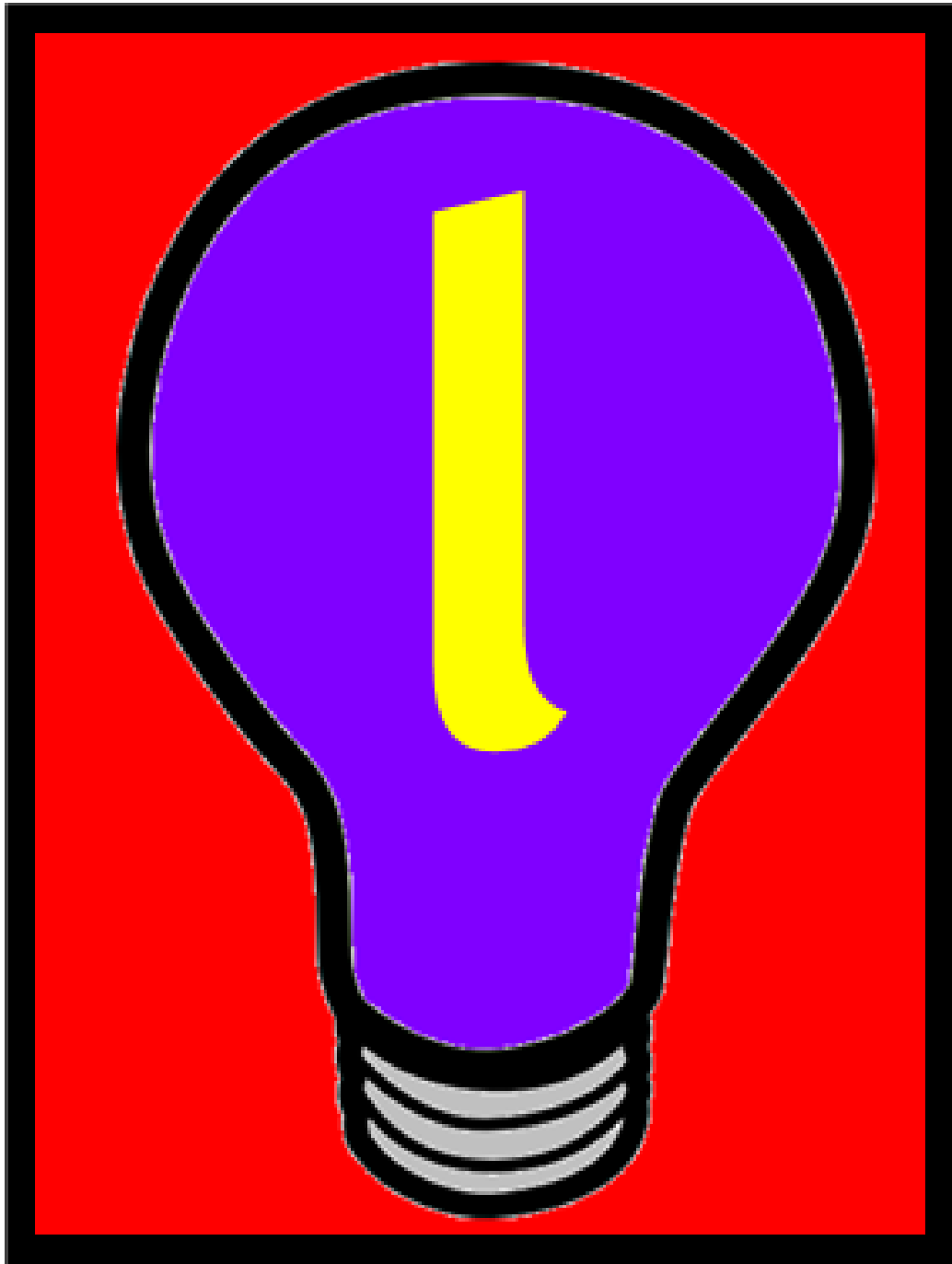
Eddy Grant

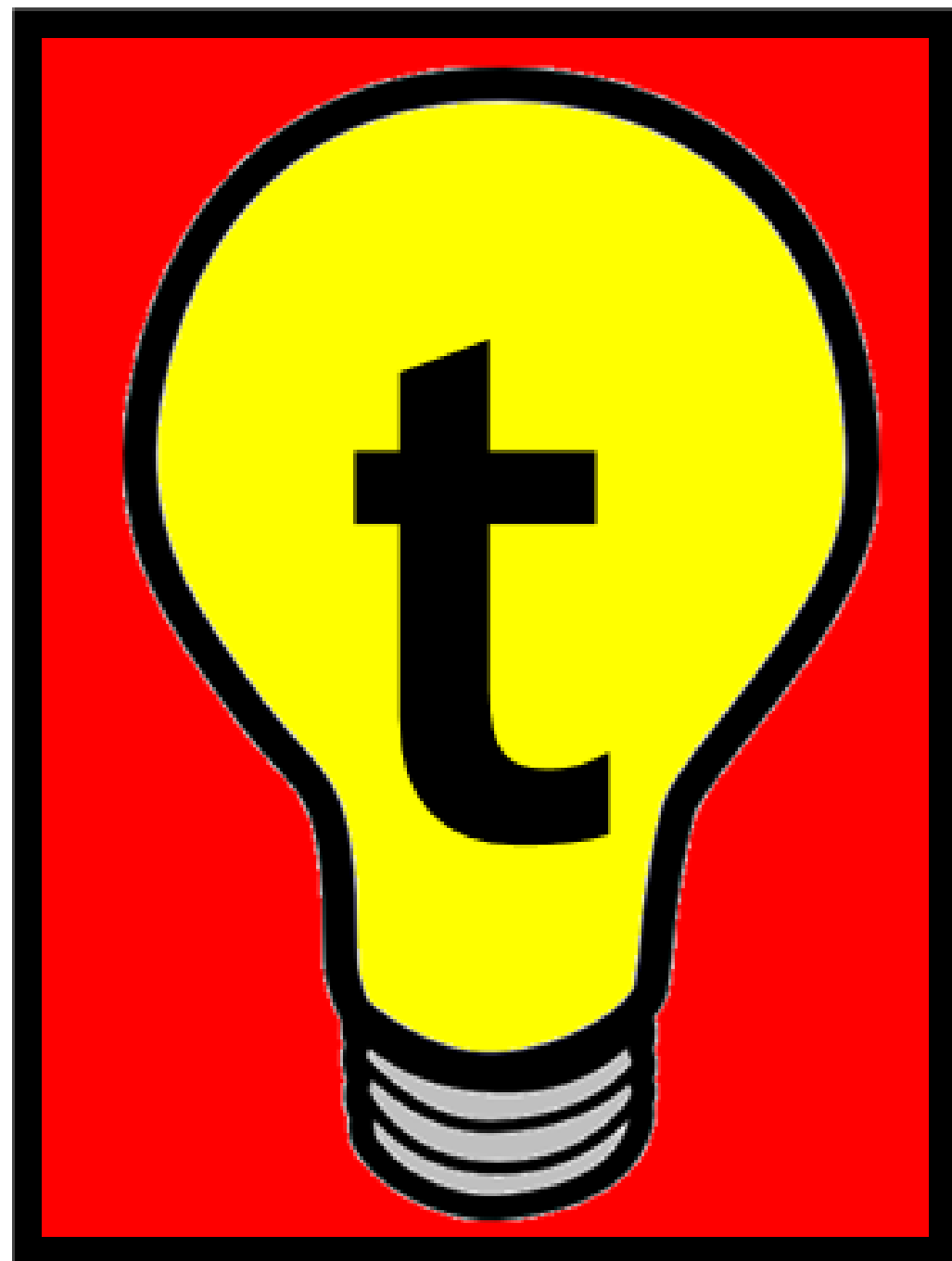
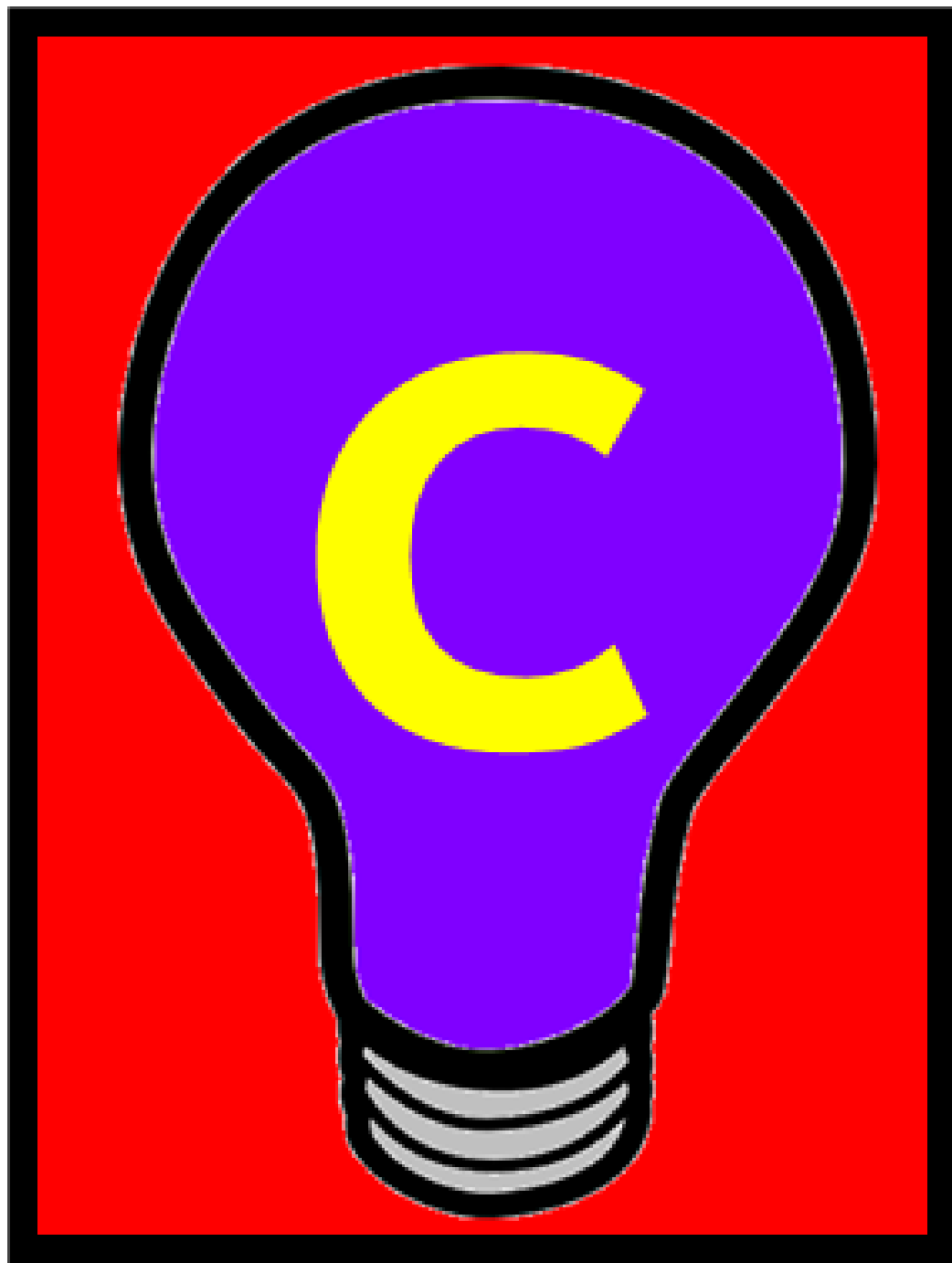
Electricity

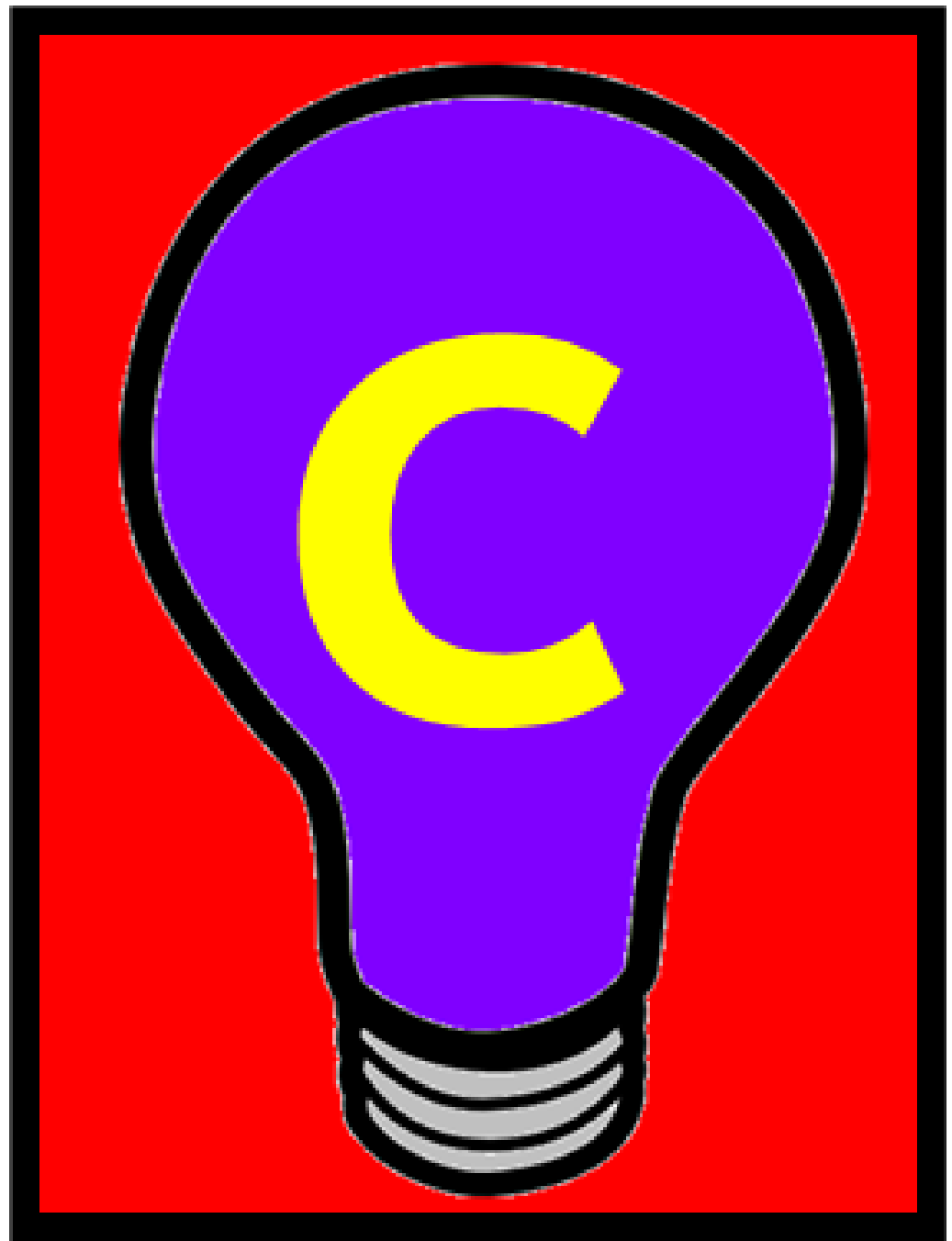
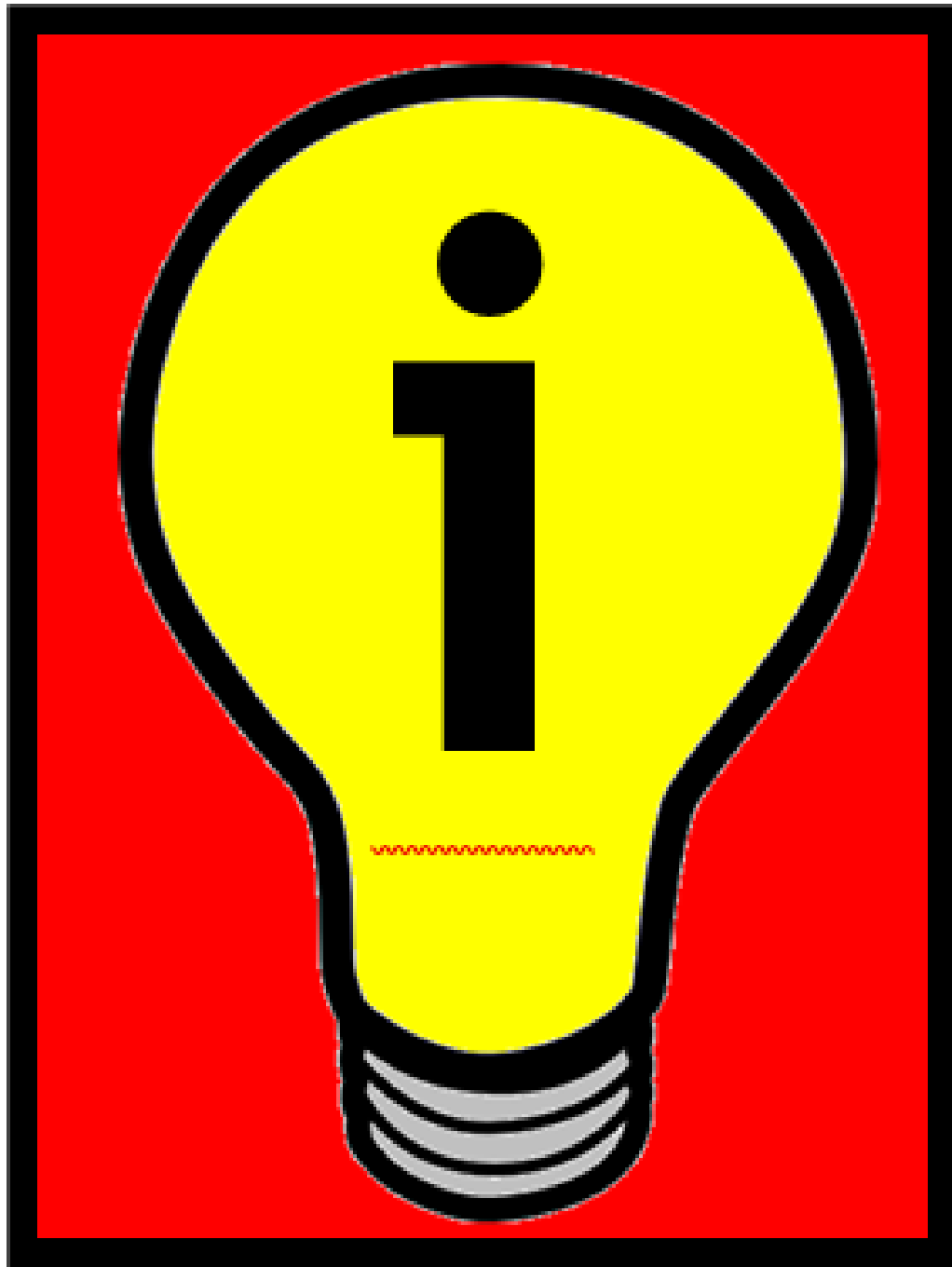
Orchestral Manoeuvres in the Dark











Enlarge to A4 if you prefer.

