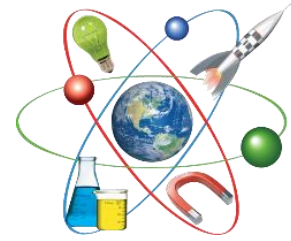
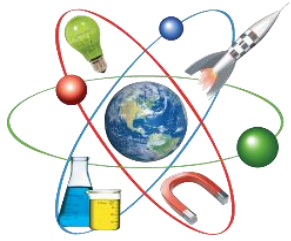


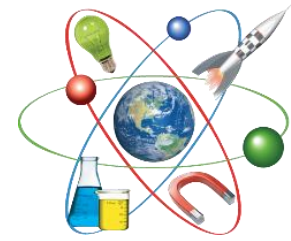
## Year 6 to Year 7 Transition – Science



- Welcome to Science at Bishop Challoner! We hope you are excited to join us in September and begin exploring some new and exciting science lessons!
- In the future we will be uploading resources to the Bishop Challoner website that you can use at home to begin to prepare for Year 7 Science.

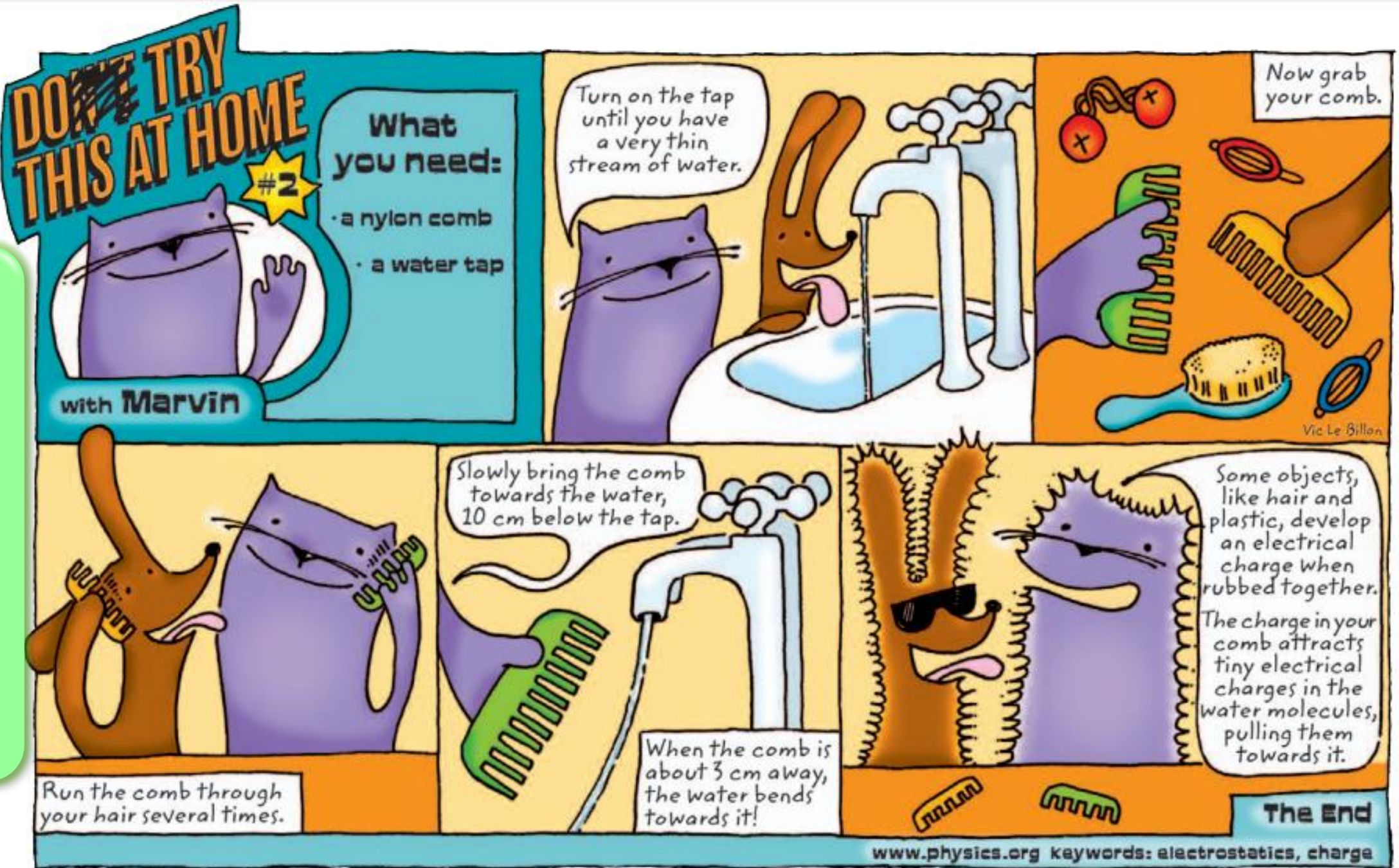


## Physics experiments at home



- In this document, we have put together some ideas for simple physics experiments that you can try at home.
- For each experiment, there is a following page with a link to a video or webpage where you can learn more about the topic
- You should be able to do some of these experiments just with things that you already have at home!
- Enjoy your experiments 😊

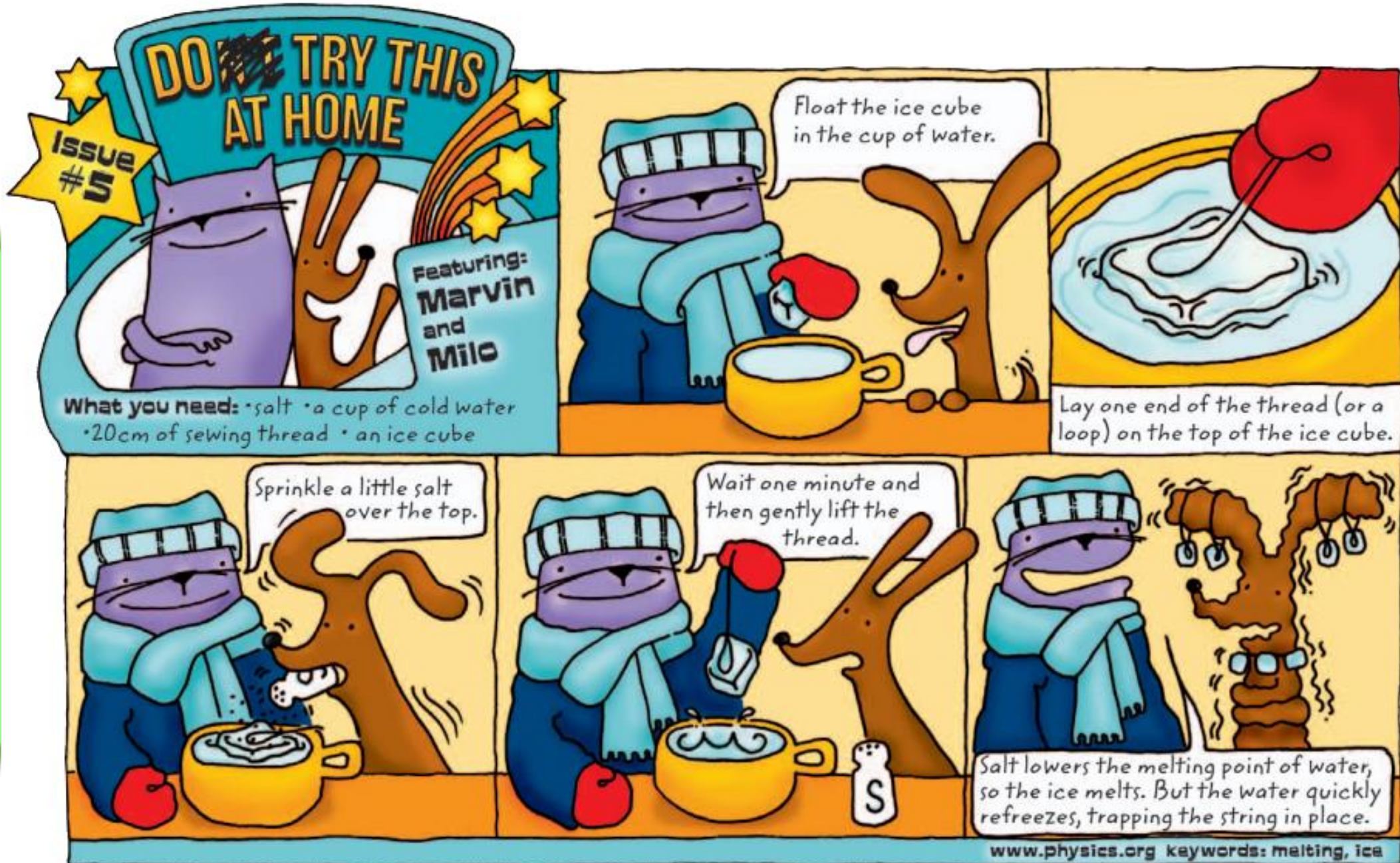
Learning  
about:  
static  
electricity  
and  
charges



## Static electricity and charges:

- Video: the sticky balloon trick!  
<https://www.youtube.com/watch?v=5TAIUCYMIQ>
- Extra challenge: BBC Bitesize KS3 page about static electricity  
<https://www.bbc.co.uk/bitesize/guides/zthyvcw/revision/1>

Learning  
about:  
Melting  
and  
boiling



## Melting and boiling:

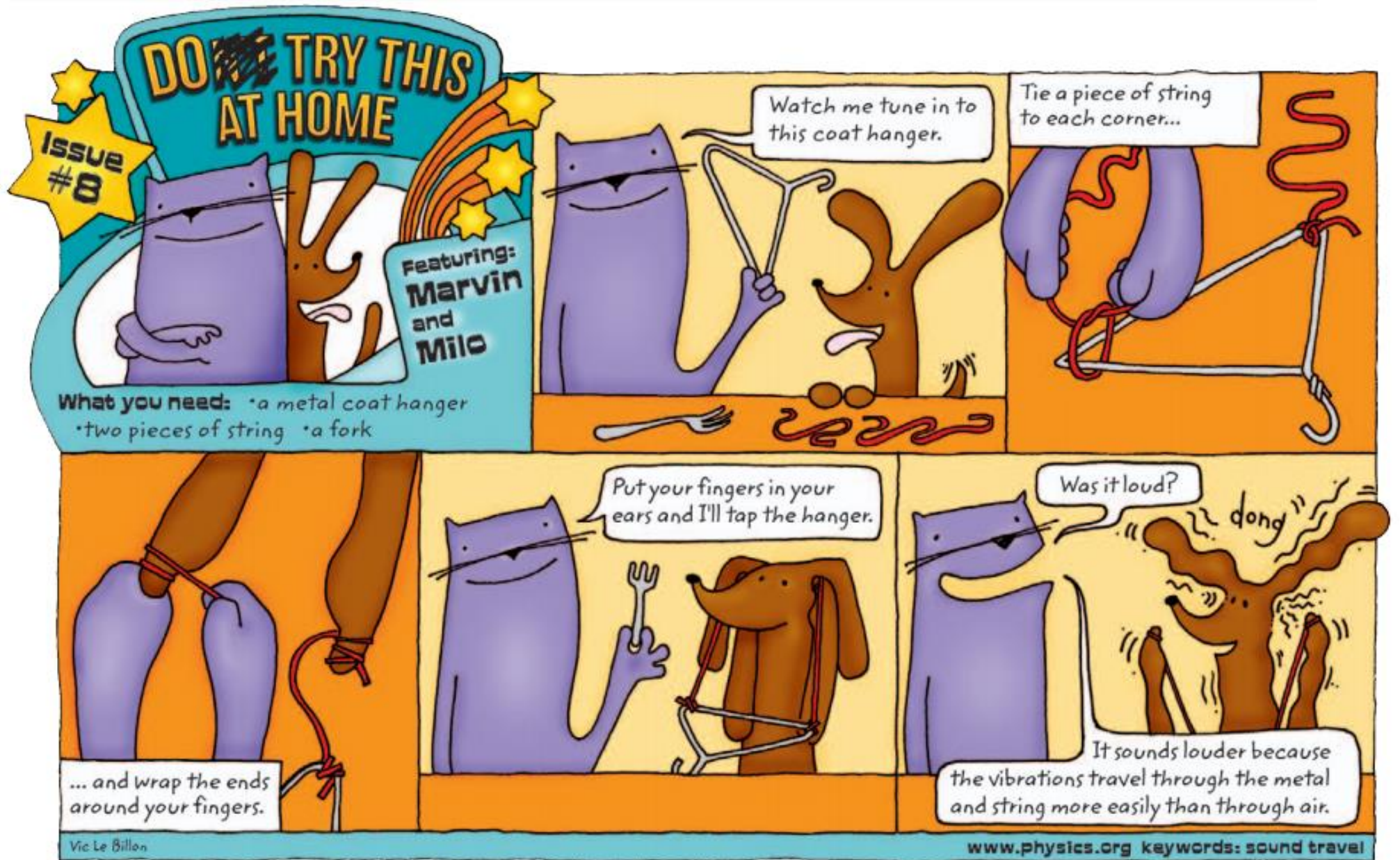
- What are the states of matter?

<https://www.bbc.co.uk/bitesize/topics/zkgg87h/articles/zsgwwxs>

- Video: melting point and boiling point

<https://www.youtube.com/watch?v=AW8v2Fx0Y8c>

Learning  
about:  
Sound



## Sound:

- How does sound travel through air?

<https://www.bbc.co.uk/bitesize/clips/ztwkjxs>

- What are sound waves?

<https://www.bbc.co.uk/bitesize/topics/zw982hv/articles/z8mmb82>



Learning  
about:  
Convection



## Convection:

- What is convection?

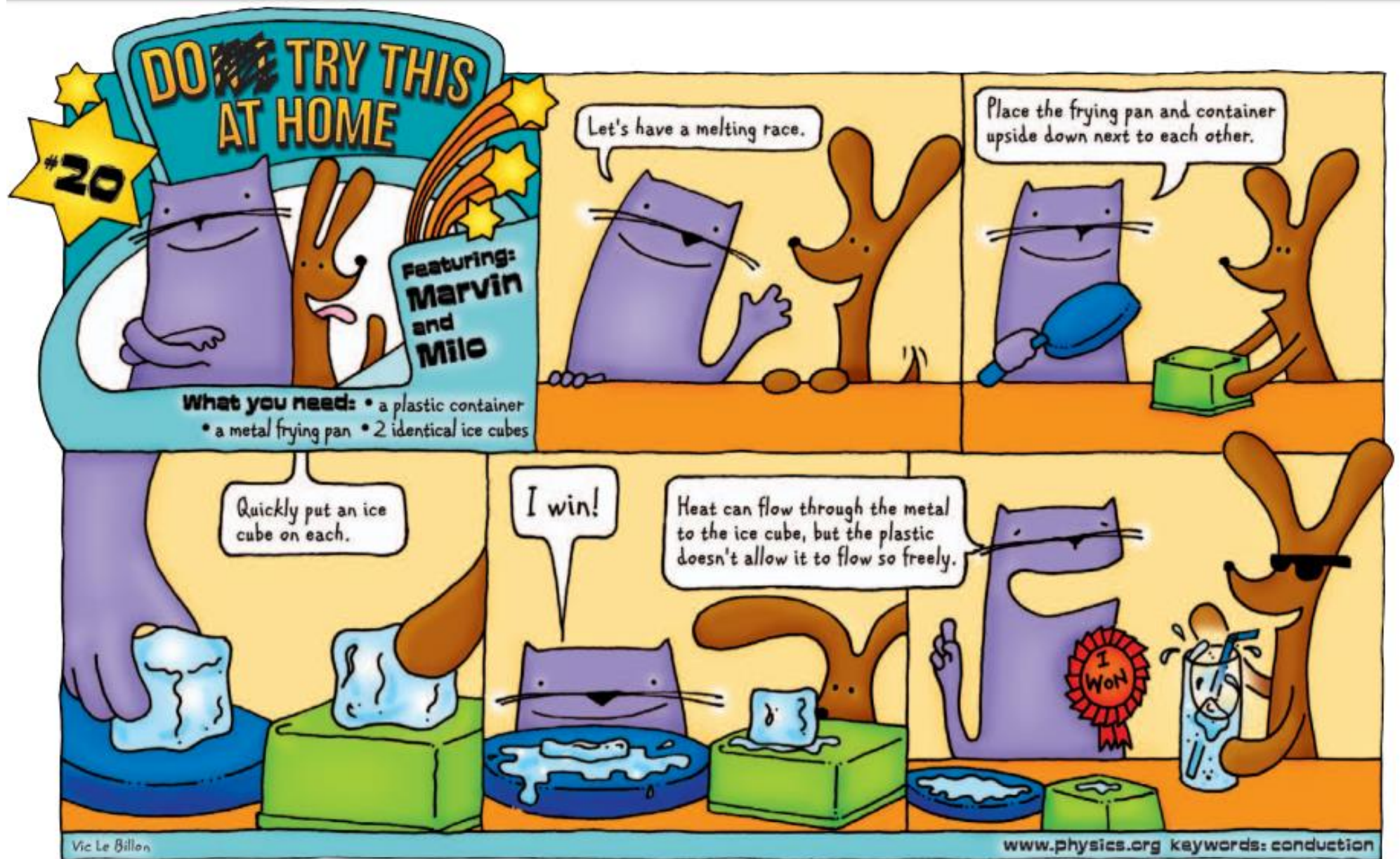
<https://kids.britannica.com/kids/article/convection/601846>

- Video demonstration of convection

<https://www.youtube.com/watch?v=v62ilJCaMFk>

- Extra challenge: convection facts <https://kids.kiddle.co/Convection>

Learning  
about:  
Conduction



## Conduction:

- Another simple experiment you could do at home to investigate conduction: <https://www.youtube.com/watch?v=Ry8yXhCxclA>
- Video: conduction of heat  
[https://www.youtube.com/watch?v=w\\_IbPRNZ6ho](https://www.youtube.com/watch?v=w_IbPRNZ6ho)