Vyners School

Striving for Excellence

DT

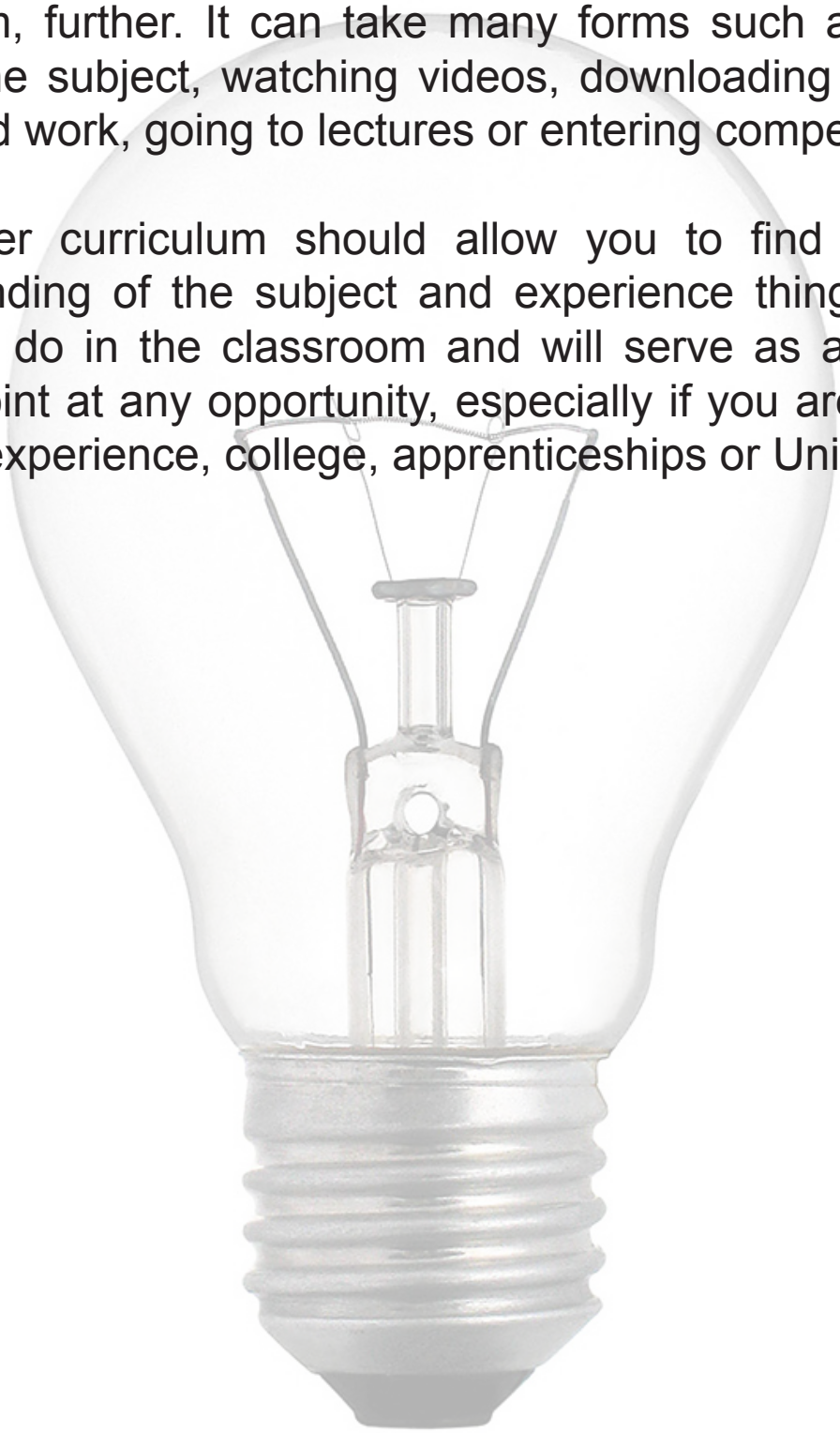
Design & Technology

The Supercurriculum

The Supercurriculum

Super curricular activities are those that extend the curriculum further. They allow you to take the subject you study in the classroom, further. It can take many forms such as reading around the subject, watching videos, downloading podcasts, doing field work, going to lectures or entering competitons.

This super curriculum should allow you to find a deeper understanding of the subject and experience things beyond what you do in the classroom and will serve as a excellent talking point at any opportunity, especially if you are applying for work experience, college, apprenticeships or University.



The light bulb.

The Supercurriculum – Year 7
Subject: DESIGN & TECHNOLOGY

1. Take part in the Lego re-brick competition [https://www.lego.com/enus/rebrick/contest-page]

2. Look at a famous Chef or Designer and present your research in the form of a presentation to the class or teacher.

3. Visit www.bbc.co.uk/goodfood and try a new recipe from one of their pages.

4. Identify or select a product, find out who designed it and how it was made.

5. Visit www.bbc.co.uk/technology and find out about new and emerging technologies.

6. Listen to the director's commentary from a film such as a Marvel film. See if you can understand how they created the effects in the film.

7. Pick an event such as Halloween or a themed event and see if you can design a costume, then stretch yourself to see if you can make it like you designed it.

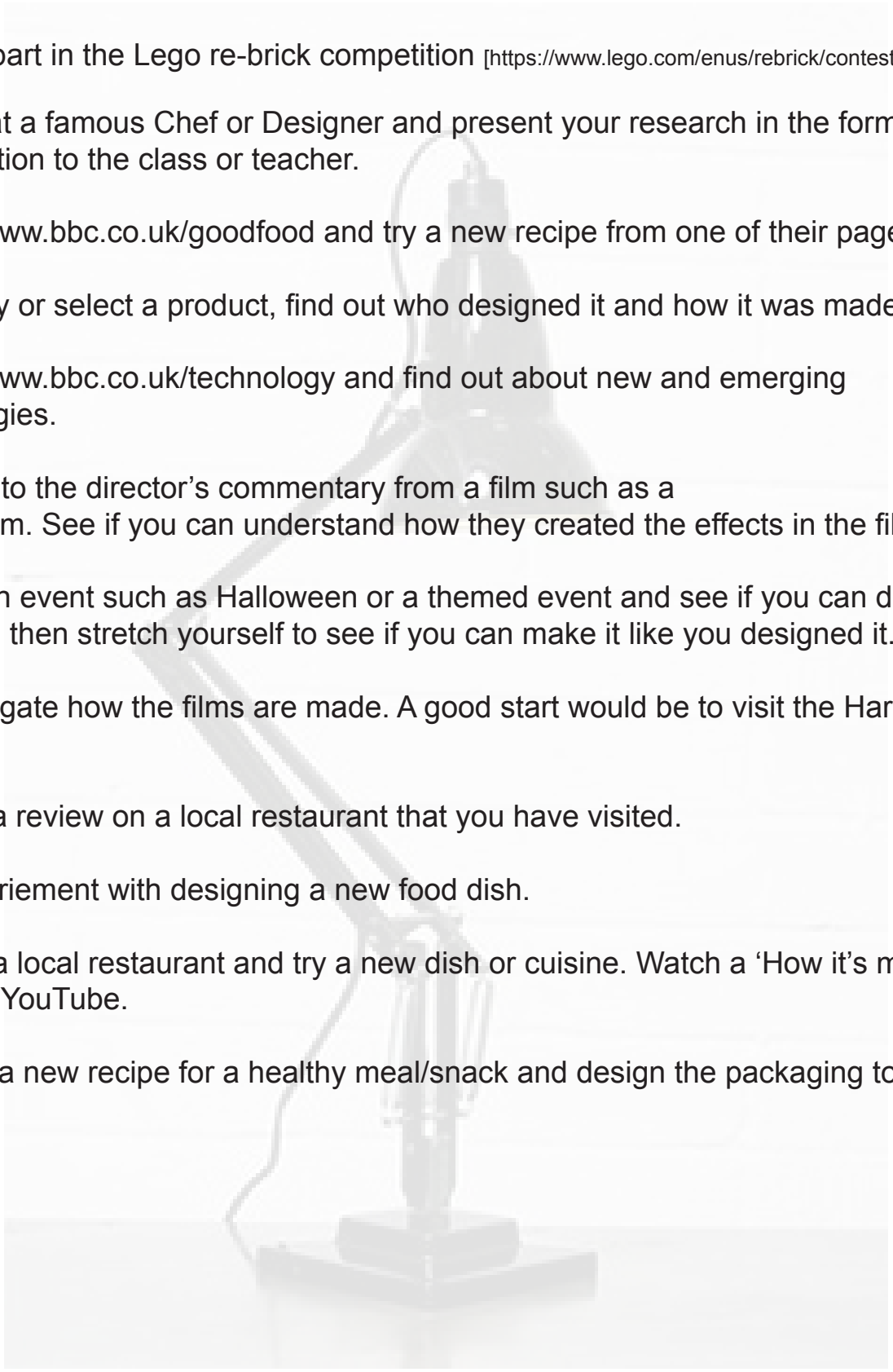
8. Investigate how the films are made. A good start would be to visit the Harry Potter studios.

9. Write a review on a local restaurant that you have visited.

10. Experiement with designing a new food dish.

11. Visit a local restaurant and try a new dish or cuisine. Watch a 'How it's made' video on YouTube.

12. Plan a new recipe for a healthy meal/snack and design the packaging to go with it.



The Angelpoise lamp

The Supercurriculum – Year 8
Subject: DESIGN & TECHNOLOGY

1. Plan a healthy meal for an anniversary event for two.

2. Visit a local restaurant and then design your own dish.

3. Watch Food unwrapped on channel 4. Is there a dish that has inspired you and why?

4. Demonstrate a new cooking skill you have learnt to the rest of the class.

5. Watch Jamie's 30 minute meals make notes and try a new recipe.

6. 3d Printing and CNC machines are frequently being used in schools and industry, research more about how these 3D products play a role in medicine.

7. Research and write up about the Space X program and the new technologies it has led to.

8. Dairy or gluten products - Research what makes these food types different to others of the same food type.

9. Design & make a birthday or holiday card for family and friends.

10. Who was Tim Peake's and what association did he have with space.

11. Create a new logo for a local club.

12. Listen to a podcast from a famous chef/designer. What drives them to succeed?

13. Read about the Cocoa trade and the chocolate making process. What historical facts can you find out.

The Supercurriculum – Year 9
Subject: DESIGN & TECHNOLOGY

1. Find out more about Wembly Stadium and how it was constructed.

2. Visit the Good Food Show

3. Create a leaflet for Open Evening for DT. Try to image what elements would you promote.

4. Read Historic Heston by Heston Blumenthal and see how
recipes how developed over the years.

5. Draw a design to reflect your mood each day of the month. You can do this in a small sketch.

6. Learn a new cooking skill and share this with the class.

7. Record yourself making a dish step by step and share it with others on social media.

8. Find out about 3d Bio-printing & put together a manuel.

9. Research Renzo Piano and find out how he contributed to London's Skyline.

10. Design a Display for a notable Chef/Designer for 021/026

11. Visit www.bbc.co.uk/goodfood and try a new recipe from one of their pages..

12. Create a healthy meal plan for a Family of 4 for a week.

13. Watch a video about D&T on [http://tv.data.org.uk/] What elements strike you as the best.

The Supercurriculum – Year 10
Subject: DESIGN & TECHNOLOGY

1. Write a food blog on healthy eating and provide tips to help students stay healthy.

2. Visit Borough market (in London) on a Saturday and produce a poster to advertise it.

3. Listen to a STEM talk podcast on [https://www.ihmc.us/stemtalks/] What stands out and why?

4. Make a contribution to the Guardians food supplement on their website.

5. Listen to the Femmes of STEM podcast. https://www.femmesofstem.com/

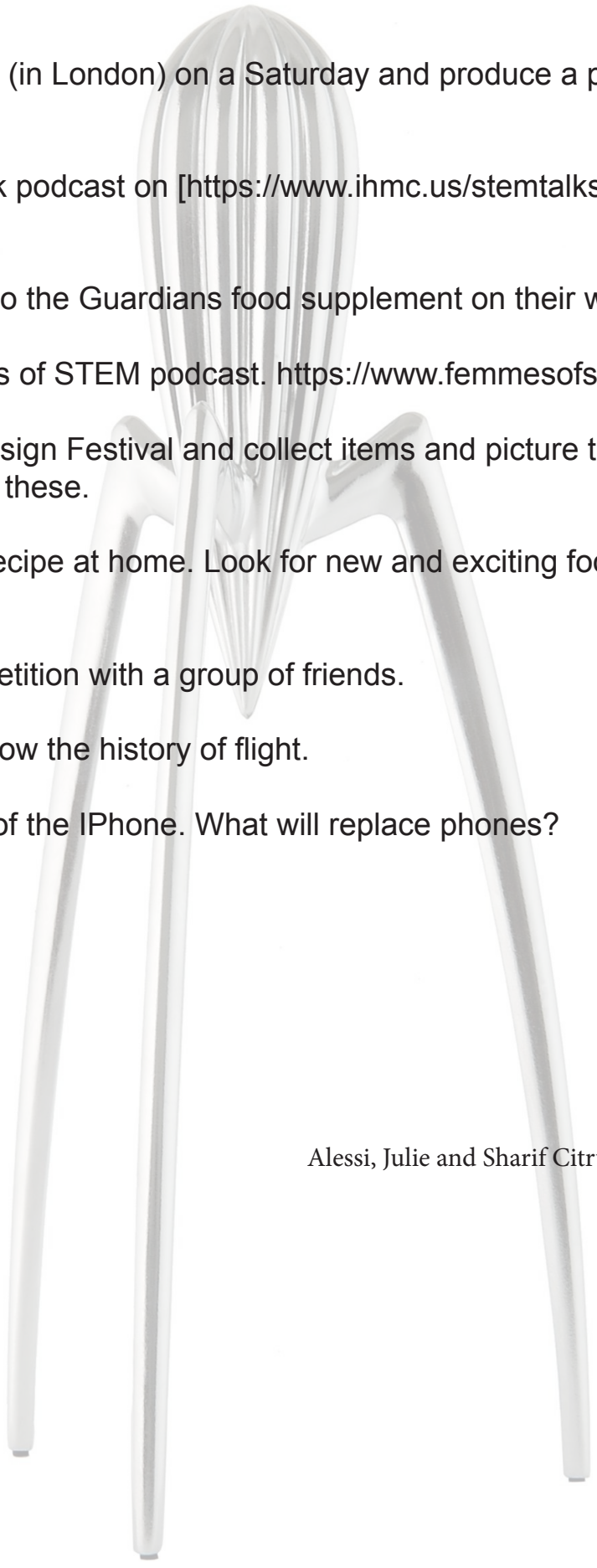
6. Go to the London Design Festival and collect items and picture that you find interesting. Write about these.

7. Try a fantastic new recipe at home. Look for new and exciting food types to give your dish the edge.

8. Enter a design competition with a group of friends.

9. Create a leaflet to show the history of flight.

10. Look at the history of the IPhone. What will replace phones?



Alessi, Julie and Sharif Citrus Squeezer.

The Supercurriculum – Year 11
Subject: DESIGN & TECHNOLOGY

1. Do an assembly to KS3 about your experiences in D&T and why you chose it for GCSE.

2. Visit www.bbc.co.uk/goodfood and try a new recipe from one of their pages and complete an evaluation.

3. Visit the Good Food Show and explain what you liked and what you did not like.

4. Watch a video about D&T on [http://tv.data.org.uk/] and express your findings in the form of a poster.

5. Listen to TED talks on Sustainable living and record you findings.

6. Research how sports nutrition has become a vital part of an athletes day to day life.

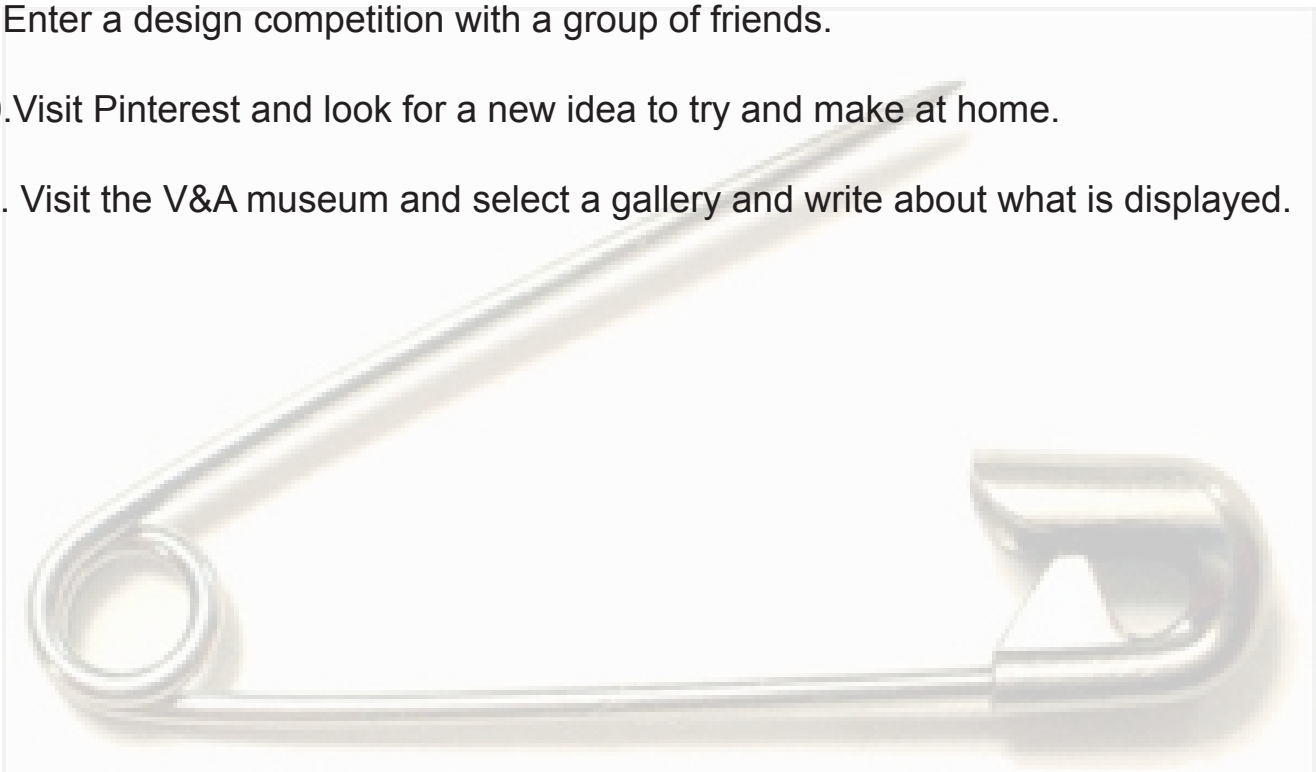
7. Listen to a STEM talk podcast https://www.ihmc.us/stemtalks/

8. Visit the Four Designers Conference in London

9. Enter a design competition with a group of friends.

10. Visit Pinterest and look for a new idea to try and make at home.

11. Visit the V&A museum and select a gallery and write about what is displayed.



The safety pin

The Supercurriculum – Year 12
Subject: DESIGN & TECHNOLOGY

1. Listen to a STEM talk podcast https://www.ihmc.us/stemtalks/

2. Visit the Designer Museum in London and write a blog about your visit.

3. Enter a design competition with a group of friends.

4. Look for a new ideas to try and make at home. Think about materials, processes, joints, finishes, quality control checks, & health & safety.

5. Visit the V&A museum.

6. Visit www.bbc.co.uk/goodfood and try a new recipe from one of their pages.

7. Visit the Good Food Show and focus on nutritional value [https:nutrition.org.uk]

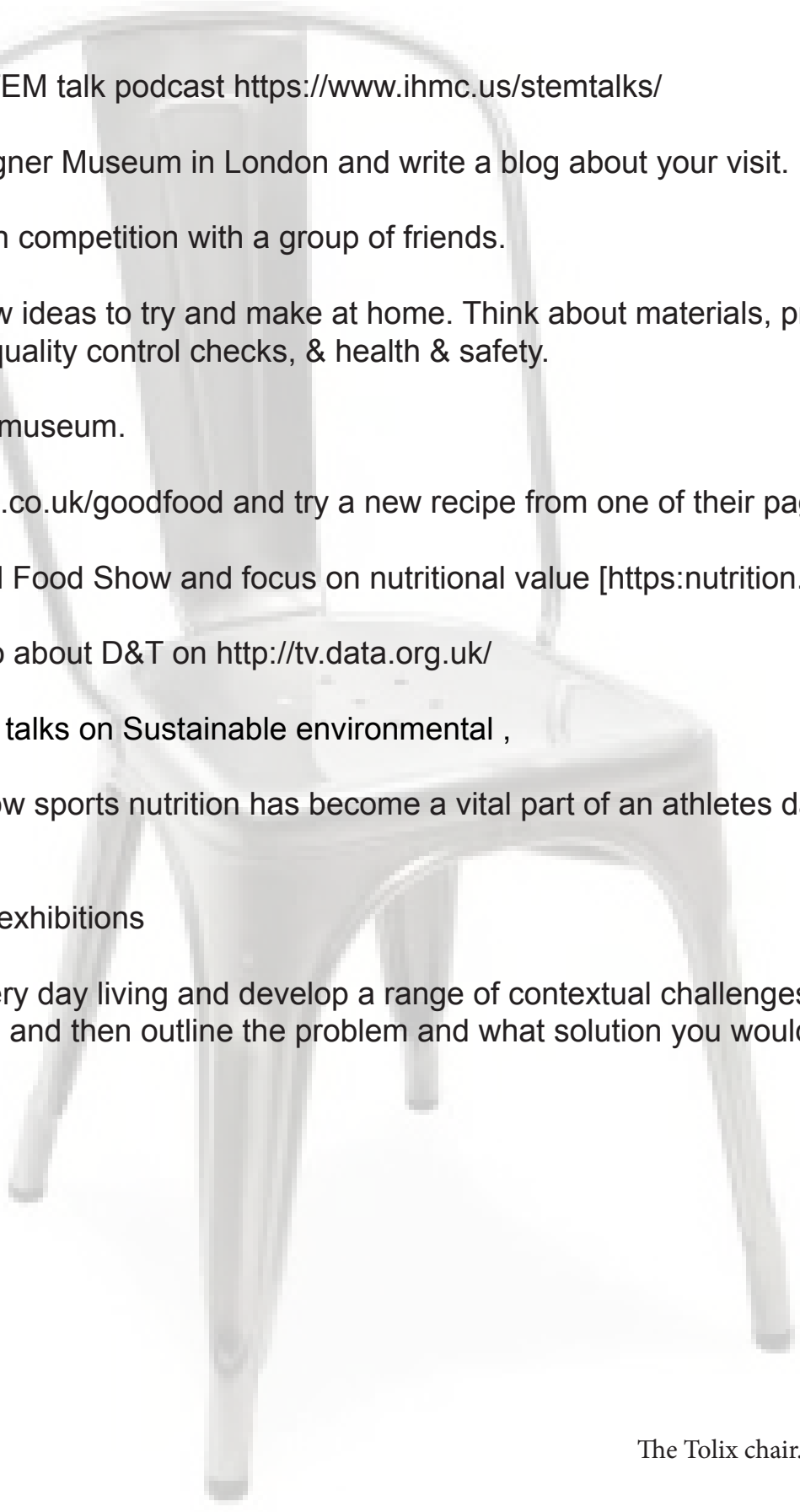
8. Watch a video about D&T on http://tv.data.org.uk/

9. Listen to TED talks on Sustainable environmental ,

10. Research how sports nutrition has become a vital part of an athletes day to day life.

11. Visit current exhibitions

12. Observe every day living and develop a range of contextual challenges based on what you see and then outline the problem and what solution you would offer.



The Tolix chair.

The Supercurriculum – Year 13
Subject: DESIGN & TECHNOLOGY

1. Run a Seasonal club or activity that provides opportunities for young enterprise as well as design and make opportunities.

2. Organise a group and take part in the National Science and Engineering Competition. http://www.nsecuk.org/

3. Listen to a STEM talk podcast https://www.ihmc.us/stemtalks/

4. Enter a design competition with a group of friends.

5. Visit the V&A museum.

6. Visit the Design Museum in London

7. Listen to TED talks on Sustainable living.

8. Research how sports nutrition has become a vital part of an athletes day to day life.

9. Visit www.bbc.co.uk/goodfood and try a new recipe from one of their pages.

10. Visit the Good Food Show

11. http://tv.data.org.uk/] - Investigate how DT has a positive impact on real life.

12. Listen to TED talks on Gobal warming and express your findings in the shape of a informative poster.

13. Research how sports nutrition has become a vital part of an athletes day to day life.

14. Visit current exhibitions

15. Observe every day living and develop a range of contextual challenges based on what you see and then outline the problem and what solution you would offer.

16. Research information about 3d Printing and CNC machines.