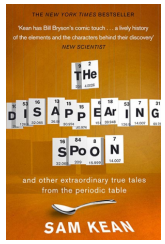
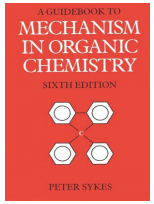
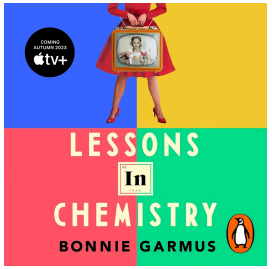
Year 12 & 13 Chemistry resources

<table>
<tr>
<td>Reading Tasks</td>
<td>


☐ The Disappearing Spoon...and other true tales from the Periodic Table By Sam Kean

☐ Periodic Tales, the Curious Lives of the Elements By Hugh Aldersey Williams
</td>
<td>


☐ From the beginning, the book offers an emphasis on learning how to think like an Organic chemist.
☐ The Science of Everyday Life: Why Teapots Dribble, Toast Burns and Light Bulbs Shine By Marty Jopson
</td>
</tr>
<tr>
<td>Listening Tasks</td>
<td>
☐ Let's Talk Chemistry- a Science Podcast by ChemTalk

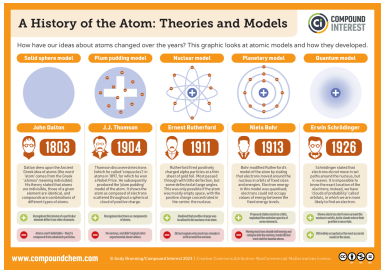
☐ Radiolab
</td>
<td>
☐ Try kindle books and audiobooks from amazon


☐ Periodic Table: Podcast
</td>
</tr>
</table>

Research Tasks

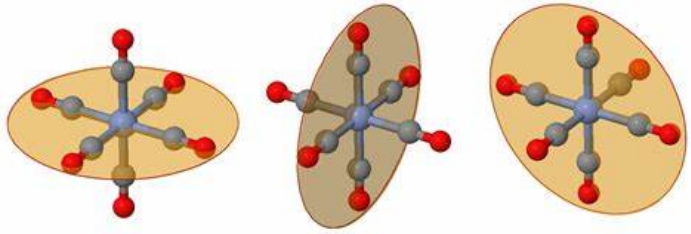
- [ ] There are some fascinating chemists in history and amazing topics- why don't you research Fritz Haber and find out why he was such a controversial chemist.

- [ ] Look at the chronology of events that led to the discovery of the structure of the atom

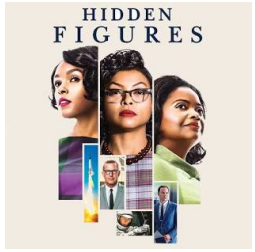
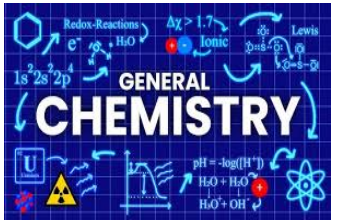
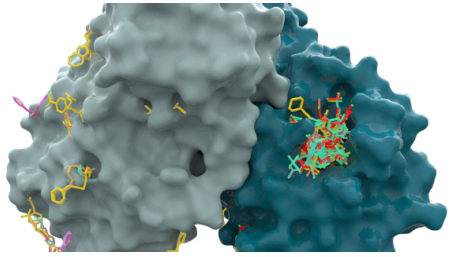


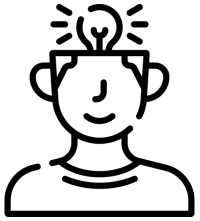
Creativity Tasks

- [ ] Symmetry is a big part of organic chemistry- use playdoh and matchsticks to look at optical isomers as a form of symmetry



- [ ] Cut out individual pieces of apparatus and put them together for the various techniques you have to know about for organic chemistry e.g. reflux, distillation.

 Writing Tasks	☐ A great way to learn is to spot errors. Try writing a paragraph about a topic and then putting errors in for someone else to spot and correct. This is good for e.g. Trends in reactivity, NMR in year 13, Colours in transition metal chemistry!	☐ The Royal Society of Chemistry ROYAL SOCIETY OF CHEMISTRY
 Watching Tasks	 ☐ Hidden Figures | Official Trailer [HD] | 20th...	☐ Chemistry - YouTube  ☐ Tom Lehrer CHEMISTRY element song
 Trips and Visits	 ☐ **Science Museum -** Find the information you need to plan your visit—please note you will need to pre-book a free ticket.	☐ Public - Education - Diamond Light Source 

 Student-led Creative Thinking Tasks	☐ Chemical Engineering Challenges 	☐ Create a twitter/X account, follow 10 relevant Chemistry organisations e.g Royal Society of Chemistry, New scientist, BBC Science news etc