

WTBA Learning Journey: Chemistry

Intent: At Waltham Toll Bar we aim to enthuse and produce the next generation of scientists that will be able to combat the problems faced by the world. The Science curriculum establishes an understanding of the key disciplinary and substantive knowledge required to understand the scientific world around us. Students will cover topics that develop their inquiring minds and these topics will be interleaved with the key skills required to become a successful scientist. Students will continue to explore scientific concepts and analyse data that they have obtained as they approach a new range of inquiry questions as the years progress.

Key Themes

1. Physical Chemistry
2. Organic Chemistry
3. Analytical Chemistry
4. Biochemistry
5. Practical Work



Career Links

Medicine, Veterinary, Analyst, Biochemist, Pharmacist



Key Skills

- Critical Thinking
- Analysis
- Inquiry
- Research
- Collaboration
- Practical

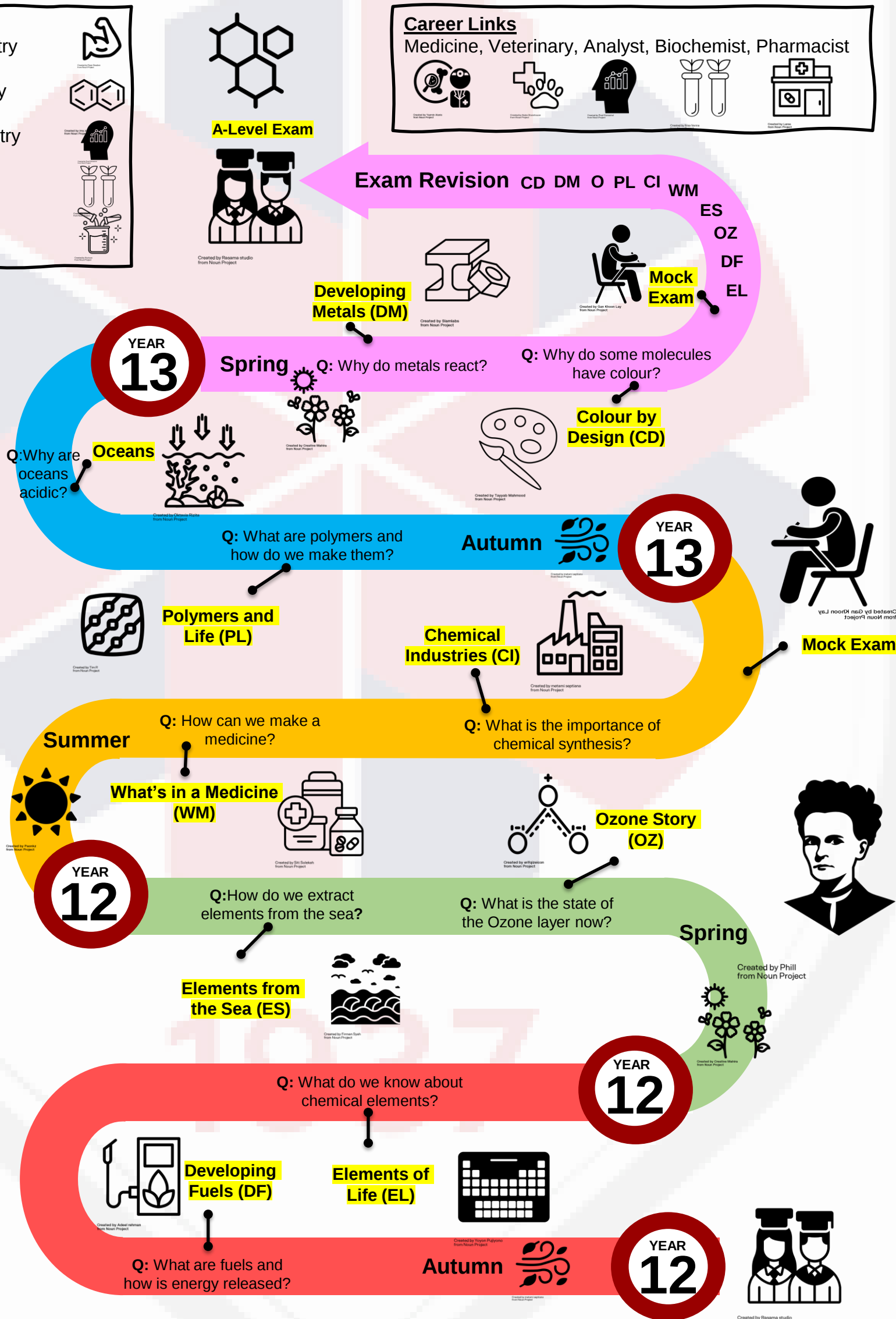


Assessment Objectives

AO1: Demonstrate knowledge and understanding of: scientific ideas and scientific techniques/ procedures.

AO2: Apply knowledge and understanding of: scientific ideas, scientific enquiry/ techniques/ procedures.

AO3: Analyse information and ideas to: interpret and evaluate, make judgements and draw conclusions, develop and improve experimental procedures..



“ If I have seen further than others, it is by standing upon the shoulders of giants” Isaac Newton

