

# Why is the Science curriculum at MRC important?

## **Our curriculum aims to:**

- It provides students with a broad understanding of biological, chemical and physical theories
- Develop a secure understanding of basic underlying knowledge before building upon it
- Students are encouraged to apply their scientific knowledge to new and increasingly complex contexts
- Student develop practical abilities in science



## **The overall outcomes:**

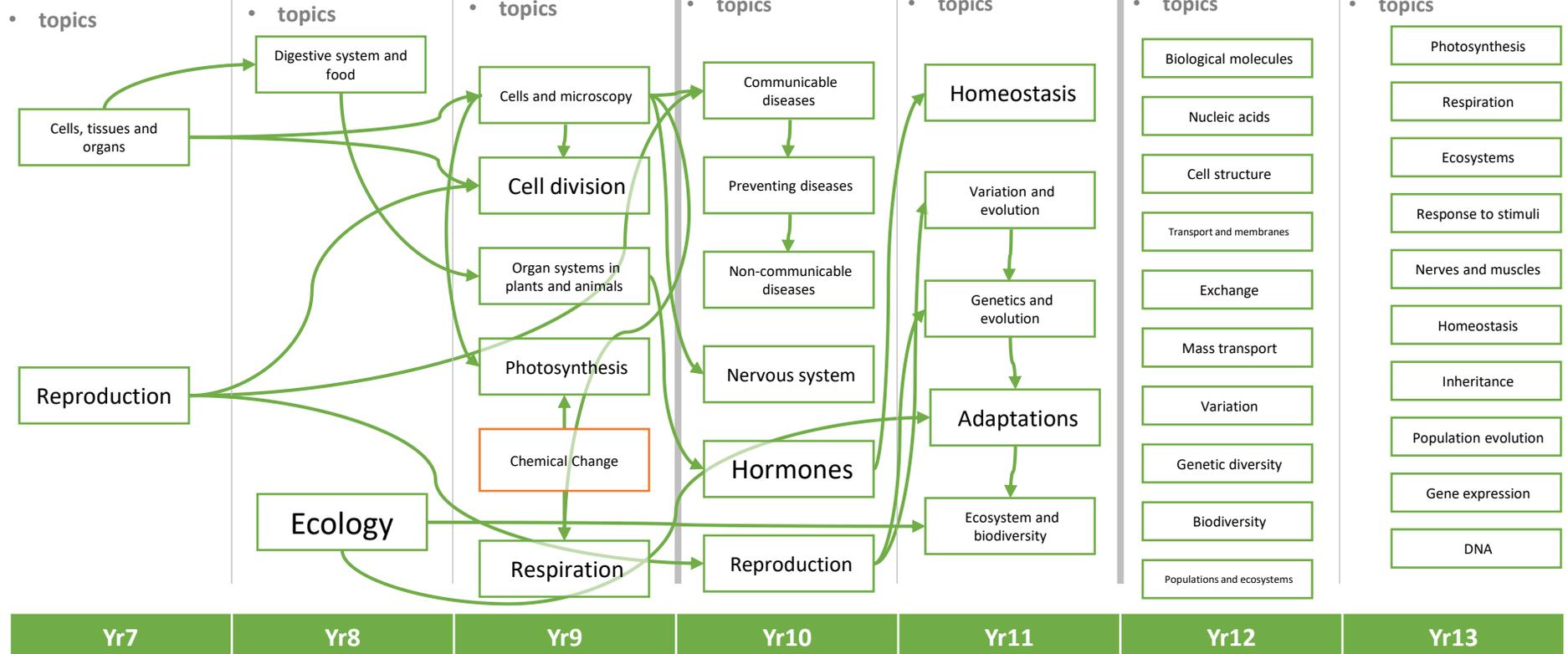
- Students develop an understanding of how science explains the world around them
- Students are able to apply their scientific knowledge to solve increasingly complex scientific problems and answer scientific questions
- Students are able to apply scientific practical skills with increasing complexity and sophistication

# What do students need to understand about science as a discipline?

- Scientific theory can develop over time based on **verified experimental evidence**
- **Simple scientific theories** underpin all scientific knowledge, understanding and application
- **Many different contexts** can be explained using the similar explanations
- Science is a circular process of prediction, experimentation and explanation leading to new predictions about the world around us

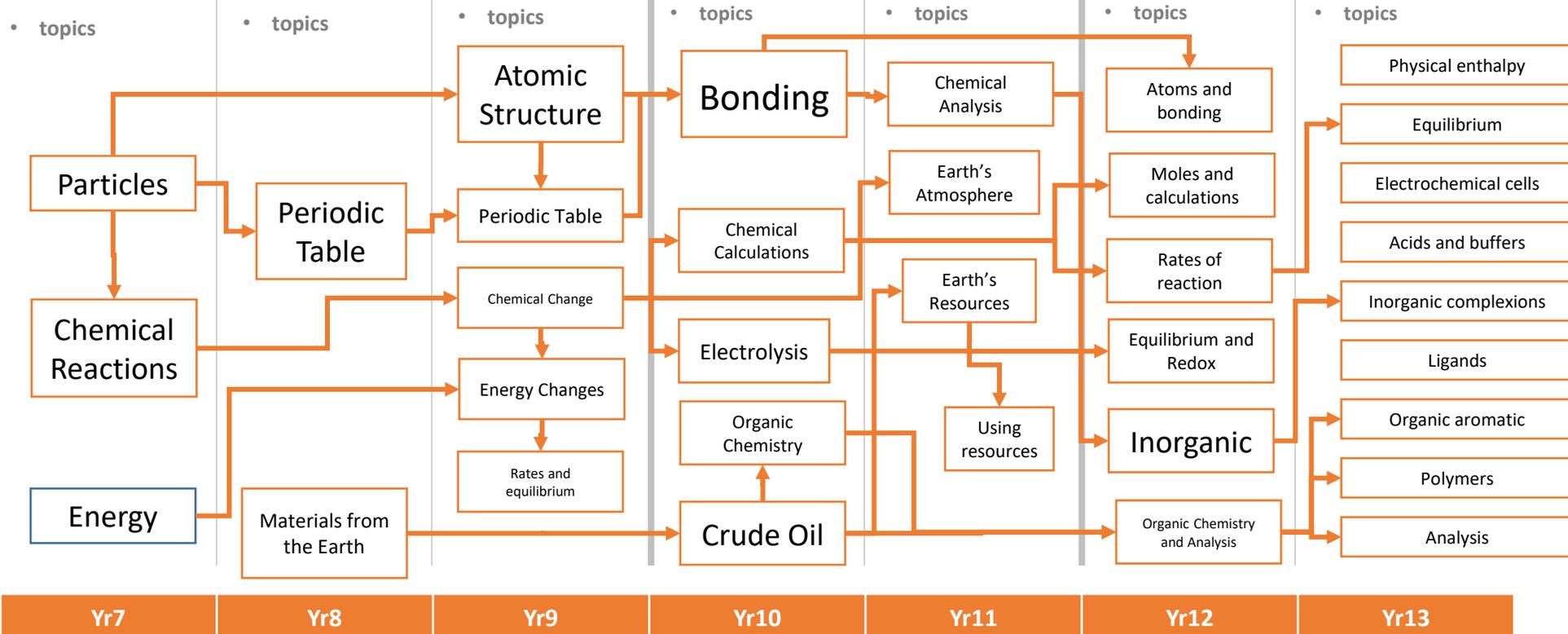
# Scientific skills

# Biology Knowledge



# Chemistry Knowledge

Scientific skills



# Physics Knowledge

## Scientific skills

