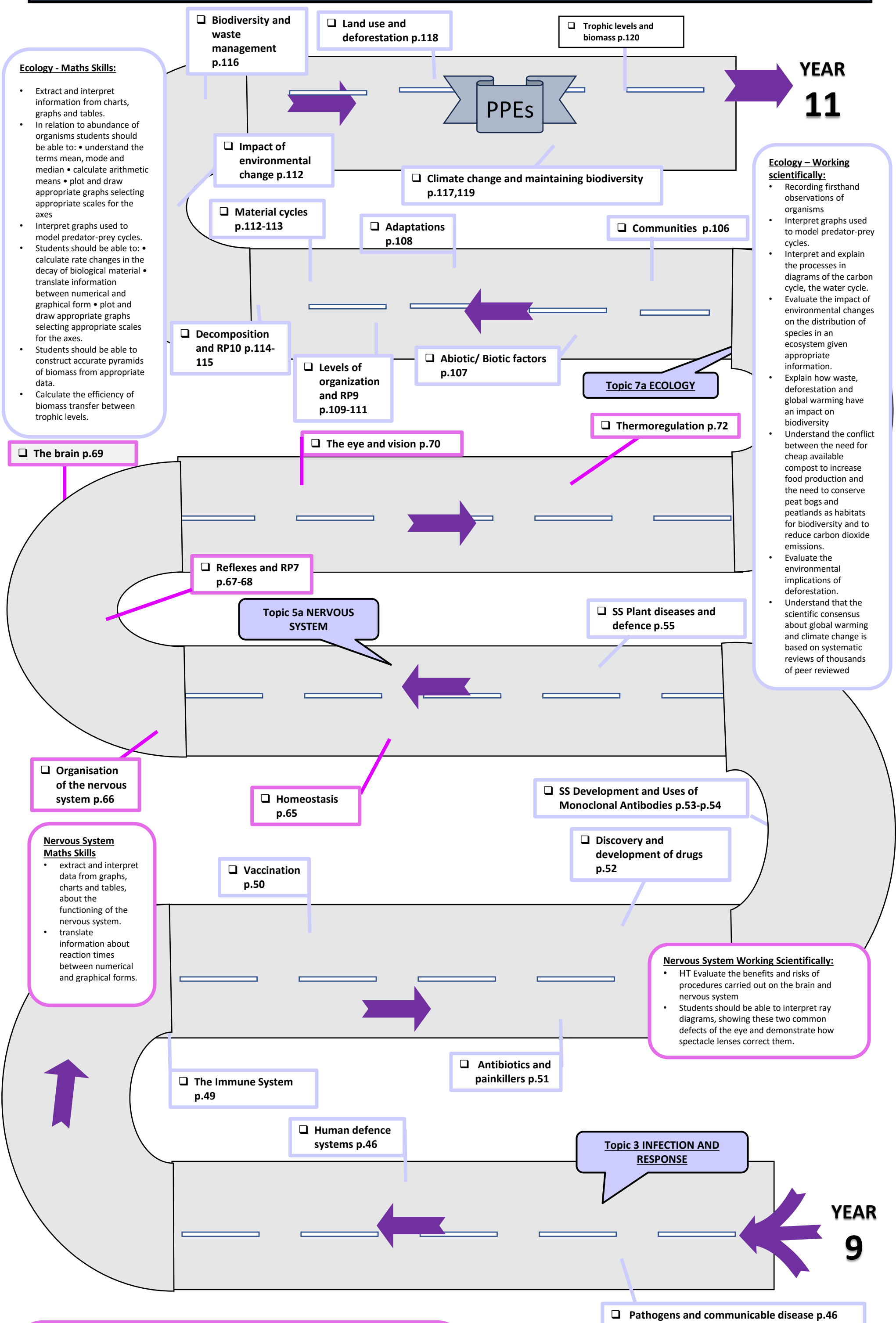




Year 10 Biology (SS) Learning Journey Map



Disease and Health/ Infection and Response Working Scientifically:

- Evaluate methods of treatment bearing in mind the benefits and risks associated with the treatment.
- discuss the human and financial cost of these non-communicable diseases to an individual, a local community, a nation or globally
- explain the effect of lifestyle factors including diet, alcohol and smoking on the incidence of non-communicable diseases at local, national and global levels.
- Interpret data about risk factors for specified diseases
- Evaluate the global use of vaccination in the prevention of disease.
- Understand that the results of testing and trials are published only after scrutiny by peer review.
- Appreciate the power of monoclonal antibodies and consider any ethical issues.
- Evaluate the advantages and disadvantages of monoclonal antibodies.
- The everyday application of scientific knowledge to detect and identify plant disease.
- The understanding of ion deficiencies allows horticulturists to provide optimum conditions for plants

Disease and Health/ Infection and Response Maths Skills:

- translate disease incidence information between graphical and numerical forms, construct and interpret frequency tables and diagrams, bar charts and histograms, and use a scatter diagram to identify a correlation between two variables.
- understand the principles of sampling as applied to scientific data, including epidemiological data
- understand the principles of sampling as applied to scientific data in terms of risk factors.
- translate information between graphical and numerical forms; and extract and interpret information from charts, graphs and tables in terms of risk factors.
- use a scatter diagram to identify a correlation between two variables in terms of risk factors.