

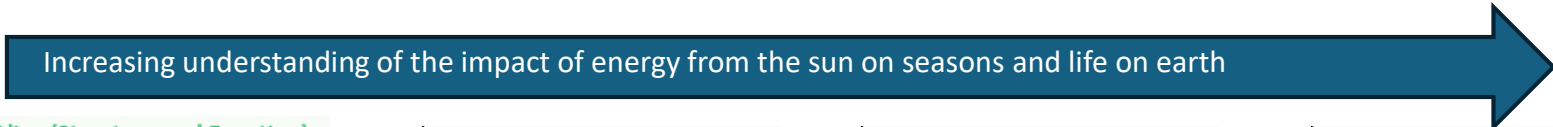
		Autumn		Spring		Summer	
Early	Year 1	Alive (Structure and Function) Identify common animals and body parts.	Alive (Structure and Function) Identify common deciduous trees/ plants and plants their basic parts.	Alive (Structure and Function) Identify common evergreen trees / plants and their basic parts.	Alive (Structure and Function) Identify common flowering plants / trees and their basic parts.	Properties of materials Identify materials and their properties	Alive (Structure and Function) Identify common wild and garden plants and their basic parts
			Energy - Sun Notice the impact of energy from the sun in Autumn	Energy - Sun Notice the impact of energy from the sun in Winter	Energy - Sun Notice the impact of energy from the sun in Spring		Energy - Sun Notice the impact of energy from the sun in Summer
Novice	Year 2	Properties/changing materials Compare suitability of materials to their uses and the impact of changing their shape	Thrive & Survive Identify what animals need to thrive and survive	Reproduction Notice that animals reproduce	Alive (Structure and Function) Observe how plants grow	Thrive & Survive Identify what plants need to thrive and survive	Thrive & Survive Identify how plants and animals thrive and survive together in habitats
					Alive (Structure and Function) Identify the 7 live processes		
Growing Expertise	Year 3	Energy - Light Notice light and dark including shadows	Forces: contact & non-contact Notice and compare simple contact and non-contact forces through friction and magnets	Alive (Structure and Function) Identify the structure and function of human skeleton and muscles and parts of a flowering plant.	Thrive and Survive Explore and investigate nutrition in plants and animals	Reproduction Explore the function of the flower in pollination and seed dispersal	Properties/changing materials Compare rocks and soils and describe fossil formation
		Properties/changing materials Observe and measure changes of state	Energy – Sound Explore how sound energy travels in vibration waves	Alive (Structure and Function) Identify the structure and function of different parts of the digestive system (including teeth)	Diversity Use knowledge of structure of plants and animals to group them	Thrive and Survive Construct food chains and reason about the impact of environmental change on thrive and survive	Energy - Electricity Explore the impact of an open and closed circuit on electrical energy?
Growing Expertise	Year 4	Properties/changing materials Explain the processes and outcomes of some reversible and irreversible changes which include changes of state.	Forces: contact & non-contact Identify and explain the effects of unbalanced forces	Forces: contact & non-contact Describe the orbits of the earth and moon	Alive (Structure and Function) Describe how human structure and function changes as they age.	Reproduction Describe and compare the process of sexual reproduction in some animals	Reproduction Describe and compare the process of sexual and asexual reproduction in some plants.
		Alive (Structure and Function) Identify the structure and function of main different parts of the human circulatory system	Alive (Structure and Function) Use knowledge of structure and function of plants and animals to classify them in broad groups	Thrive and Survive Recognise ways in which humans can support or hinder their ability to thrive.	Diversity Identify adaptations and its role in evolution	Energy - Light Explore how light energy travels in straight lines.	Energy – Electricity Explore the impact of varying voltage in a circuit

KS1 Year A

Properties of materials
Identify materials and their properties



Properties/changing materials
Compare suitability of materials to their uses and the impact of changing their shape

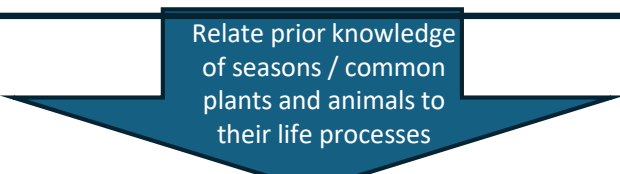
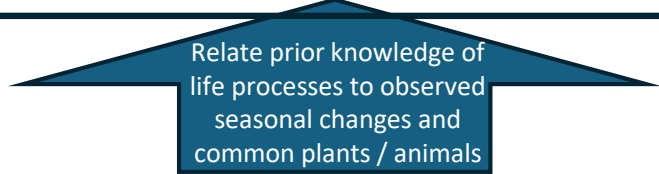


Alive (Structure and Function)
Identify common deciduous trees/ plants and plants their basic parts.
Energy - Sun
Notice the impact of energy from the sun in Autumn

Alive (Structure and Function)
Identify common evergreen trees / plants and their basic parts.
Energy - Sun
Notice the impact of energy from the sun in Winter

Alive (Structure and Function)
Identify common flowering plants / trees and their basic parts.
Energy - Sun
Notice the impact of energy from the sun in Spring

Alive (Structure and Function)
Identify common wild and garden plants and their basic parts
Energy - Sun
Notice the impact of energy from the sun in Summer



KS1 Year B

Alive (Structure and Function)
Identify common animals and body parts.

Thrive & Survive
Identify what animals need to thrive and survive

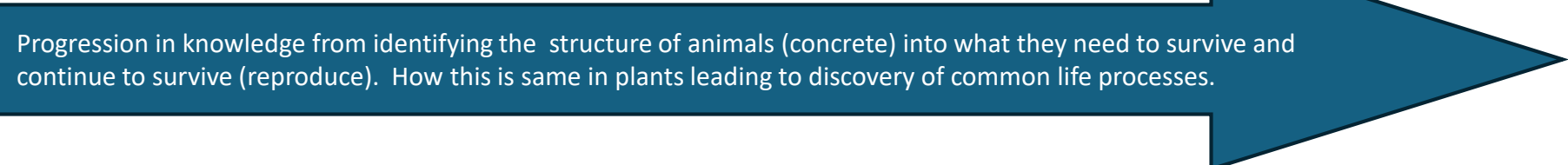
Reproduction
Notice that animals reproduce

Alive (Structure and Function)
Observe how plants grow

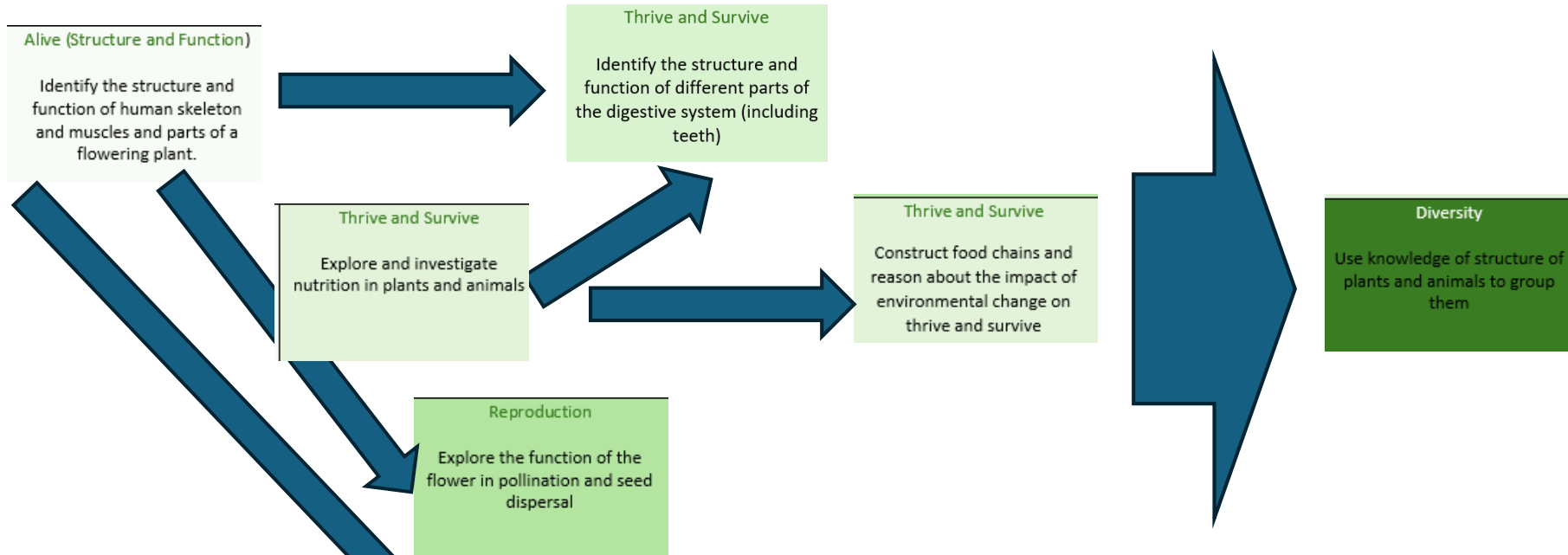
Thrive & Survive
Identify what plants need to thrive and survive
Alive (Structure and Function)
Identify the 7 live processes



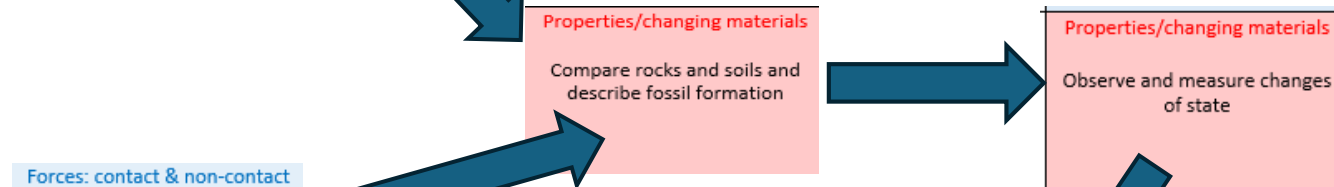
Thrive & Survive
Identify how plants and animals thrive and survive together in habitats



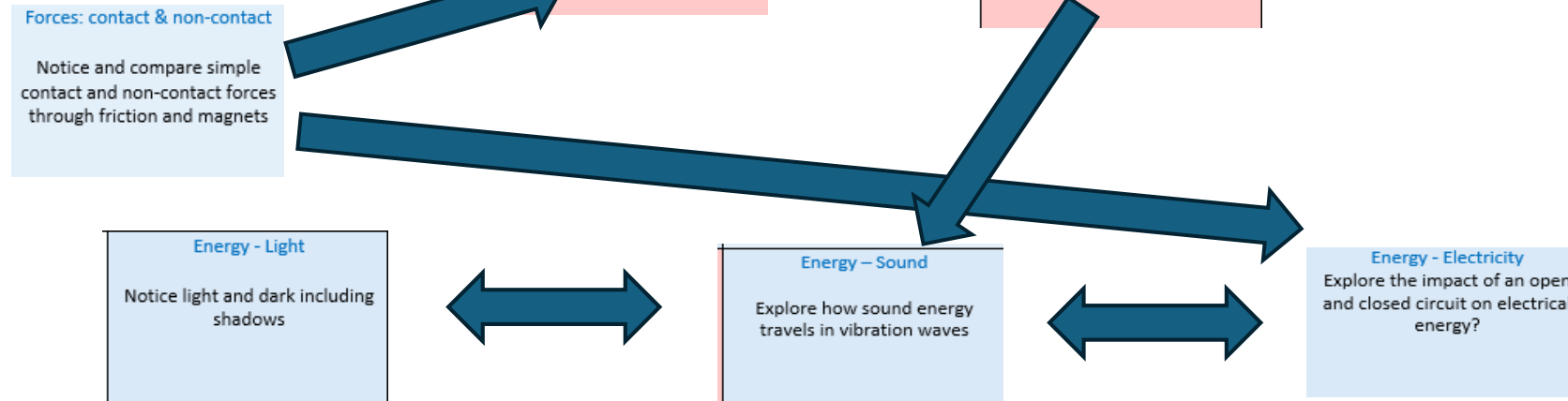
Biology



Chemistry

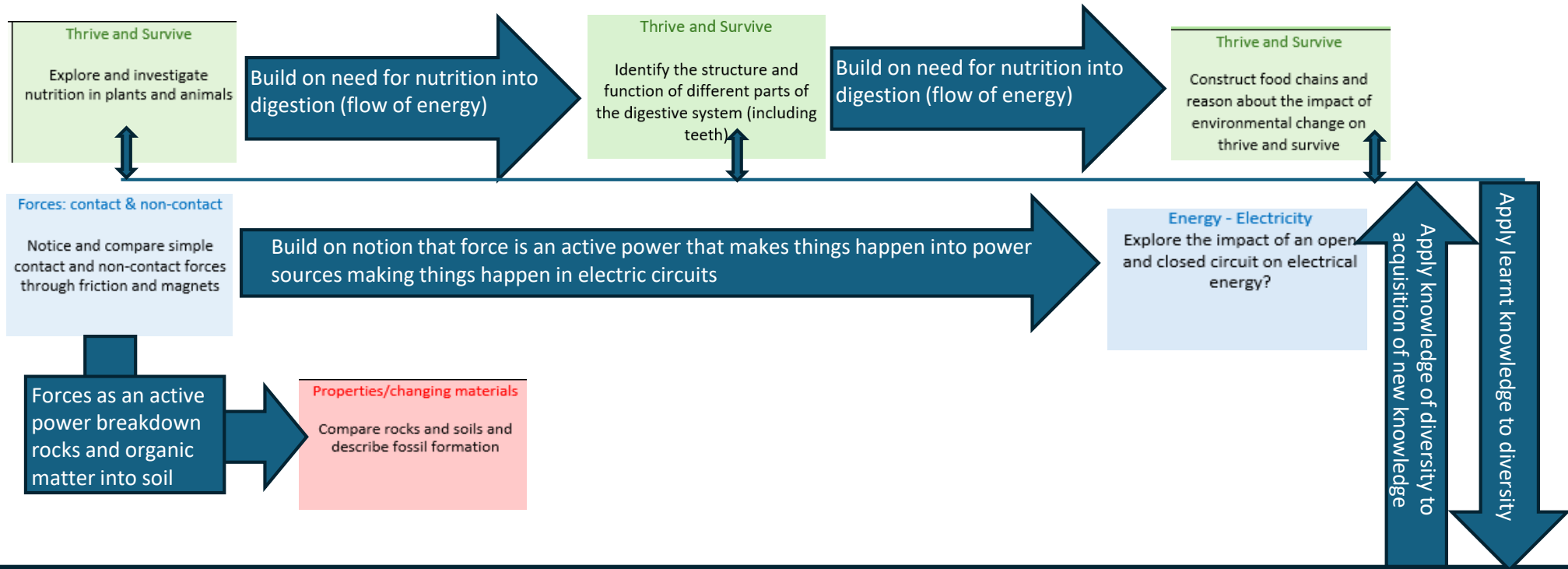


Physics

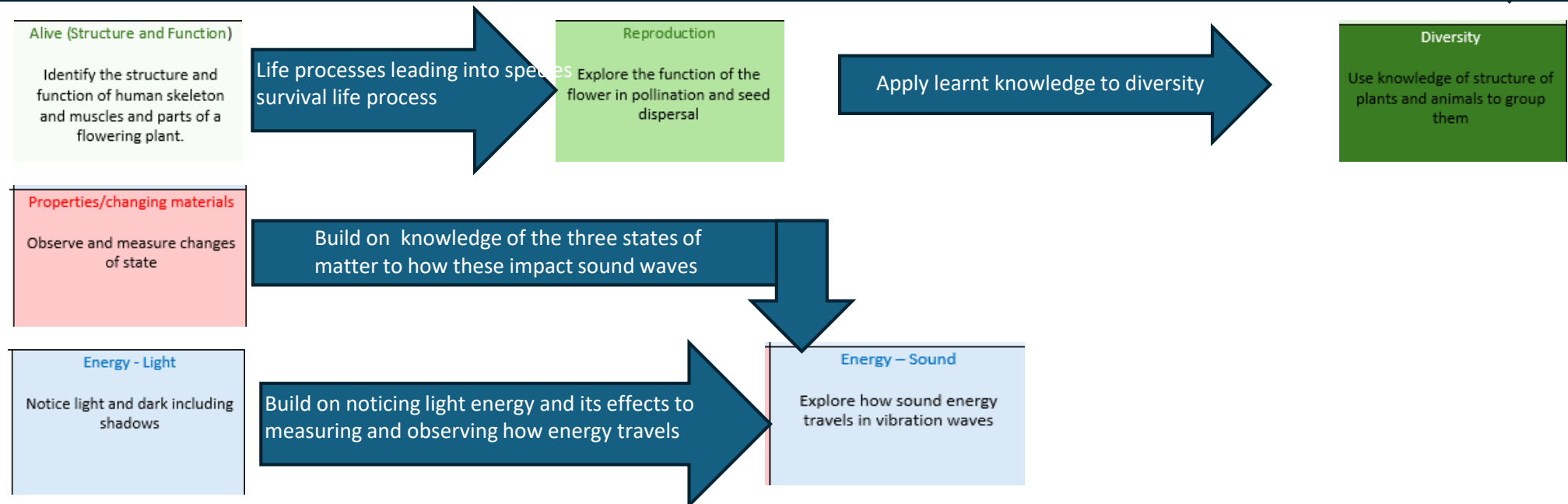


Lower KS2 cohesion messy thinking!

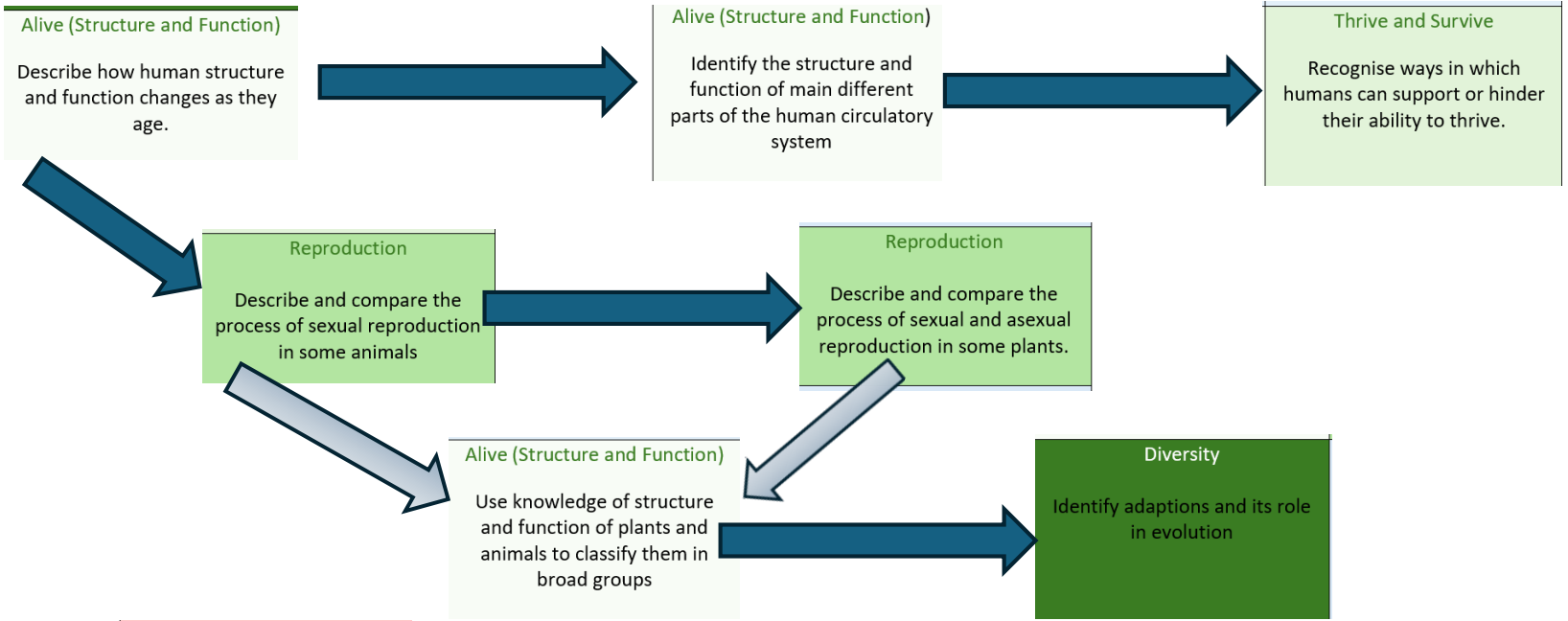
Lower KS2 Year A



Lower KS2 Year B



Biology



Chemistry

Properties/changing materials
Explain the processes and outcomes of some reversible and irreversible changes which include changes of state.

Physics

Forces: contact & non-contact
Identify and explain the effects of unbalanced forces

Forces: contact & non-contact
Describe the orbits of the earth and moon

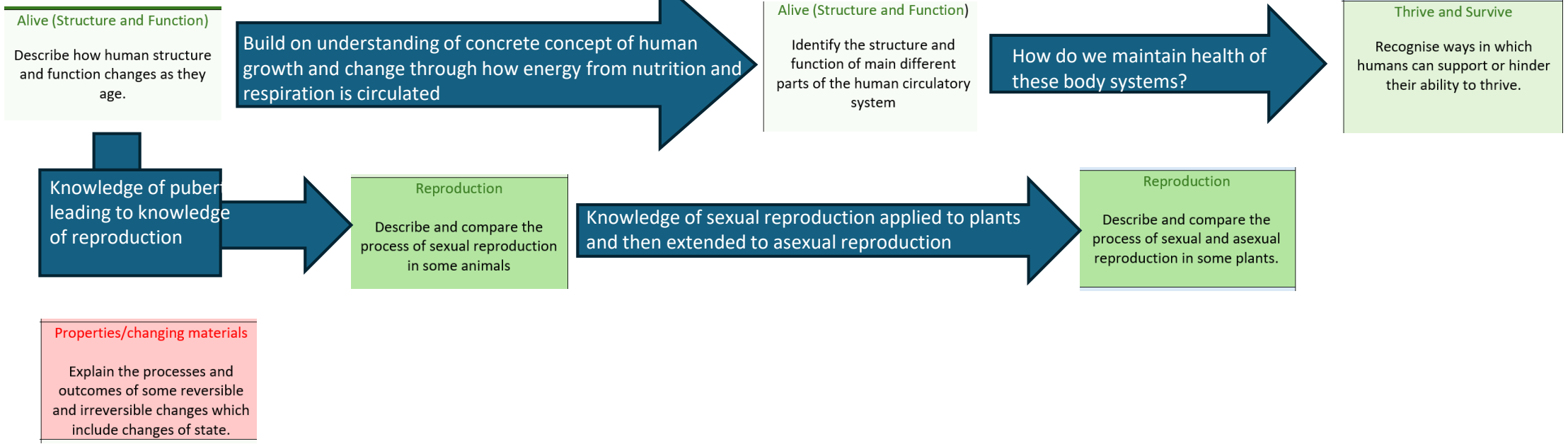
Energy - Light
Explore how light energy travels in straight lines.

Energy - Electricity
Explore the impact of varying voltage in a circuit



Upper KS2 cohesion
messy thinking!

Upper KS2 Year A



Upper KS2 Year B

