Stage 11 Mathematical Movement

- Understand the concept of a vector.
- Use diagrams to represent vectors.
- Know and use different notations for vectors.
- Add and subtract vectors.
- Multiply a vector by a scalar.

THE BIG PICTURE

- Use vectors to construct geometric arguments and proofs.

KEYWORDS

- Vector
- Scalar
- Constant - 1832 in mathematics and physics, "a quantity which is assumed to be invariable throughout"
- Magnitude
- Colinear
- Parallel - from Greek *parallēlos* "parallel," from *para allēlois* "beside one another," from *para*- "beside"

Success Criteria	Before Topic	After Topic	Teacher Mark
Understand how to create and present a proof involving vectors.			
Make deductions about situations involving vectors that are multiples of other vectors.			
Make deductions about situations involving vectors expressed using ratios.			
Make deductions about situations involving vectors and parallel lines.			