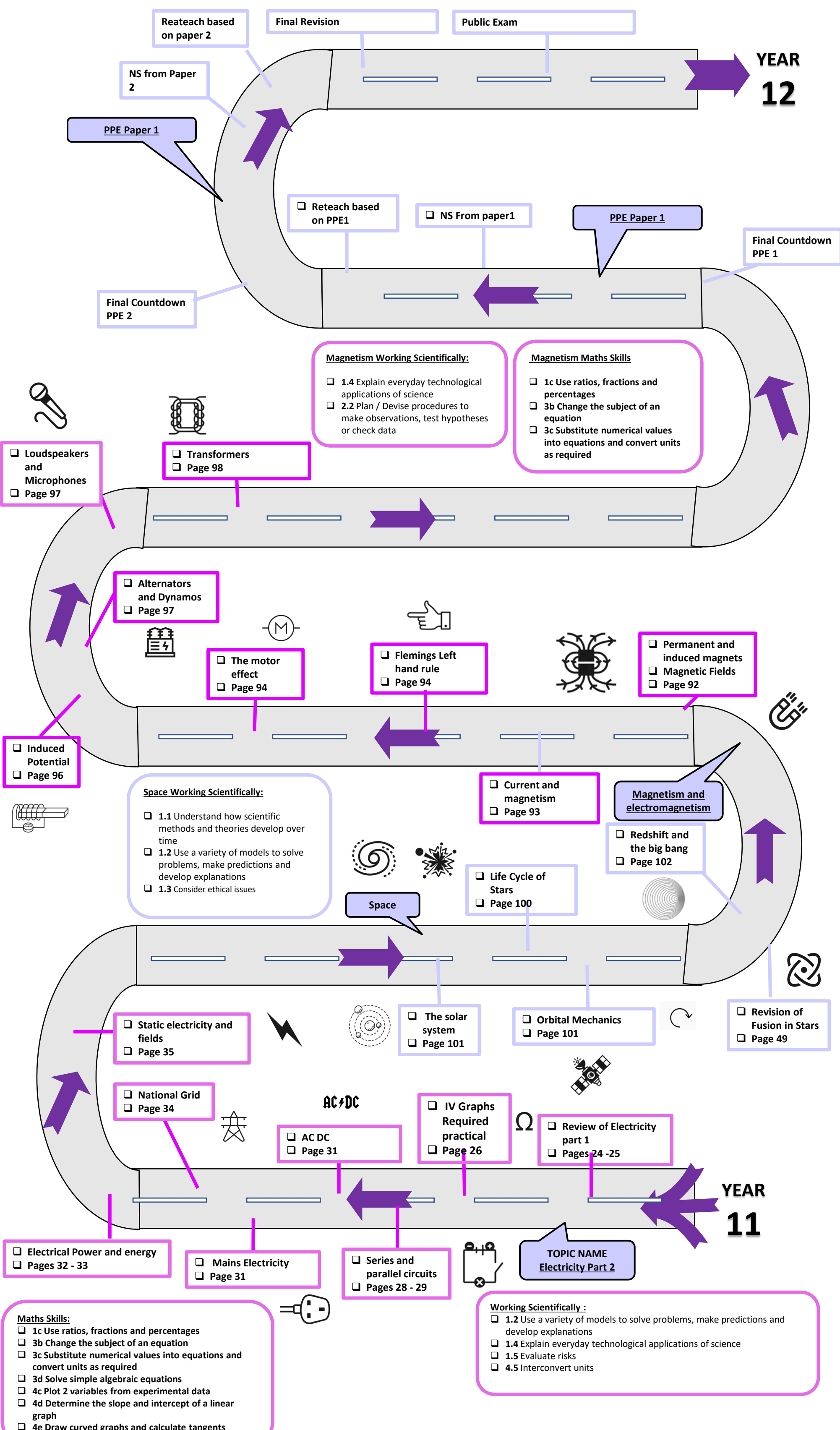




(Year 11 Physics) Learning Journey Map

YEAR 12

YEAR 11



Final Revision Public Exam

Reateach based on paper 2
NS from Paper 2

PPE Paper 1

☐ Reteach based on PPE1 ☐ NS From paper1

PPE Paper 1

Final Countdown PPE 1

Final Countdown PPE 2

Magnetism Working Scientifically:

- ☐ 1.4 Explain everyday technological applications of science
- ☐ 2.2 Plan / Devise procedures to make observations, test hypotheses or check data

Magnetism Maths Skills

- ☐ 1c Use ratios, fractions and percentages
- ☐ 3b Change the subject of an equation
- ☐ 3c Substitute numerical values into equations and convert units as required

☐ Loudspeakers and Microphones
☐ Page 97

☐ Transformers
☐ Page 98

☐ Alternators and Dynamos
☐ Page 97

☐ The motor effect
☐ Page 94

☐ Flemings Left hand rule
☐ Page 94

☐ Permanent and induced magnets
☐ Magnetic Fields
☐ Page 92

☐ Induced Potential
☐ Page 96

Space Working Scientifically:

- ☐ 1.1 Understand how scientific methods and theories develop over time
- ☐ 1.2 Use a variety of models to solve problems, make predictions and develop explanations
- ☐ 1.3 Consider ethical issues

☐ Current and magnetism
☐ Page 93

Magnetism and electromagnetism

- ☐ Redshift and the big bang
☐ Page 102

☐ Life Cycle of Stars
☐ Page 100

Space



☐ The solar system
☐ Page 101

☐ Orbital Mechanics
☐ Page 101

☐ Revision of Fusion in Stars
☐ Page 49

☐ Static electricity and fields
☐ Page 35

☐ National Grid
☐ Page 34

AC/DC

☐ AC DC
☐ Page 31

☐ IV Graphs Required practical
☐ Page 26

☐ Review of Electricity part 1
☐ Pages 24 -25

☐ Electrical Power and energy
☐ Pages 32 - 33

☐ Mains Electricity
☐ Page 31

☐ Series and parallel circuits
☐ Pages 28 - 29

TOPIC NAME
Electricity Part 2

Maths Skills:

- ☐ 1c Use ratios, fractions and percentages
- ☐ 3b Change the subject of an equation
- ☐ 3c Substitute numerical values into equations and convert units as required
- ☐ 3d Solve simple algebraic equations
- ☐ 4c Plot 2 variables from experimental data
- ☐ 4d Determine the slope and intercept of a linear graph
- ☐ 4e Draw curved graphs and calculate tangents

Working Scientifically :

- ☐ 1.2 Use a variety of models to solve problems, make predictions and develop explanations
- ☐ 1.4 Explain everyday technological applications of science
- ☐ 1.5 Evaluate risks
- ☐ 4.5 Interconvert units