Subject	Year	Month	
Mathematics	10	March	Balcarras From strength to strength

Topic:

Accuracy and bounds 3 lessons

Content (Intent)

Prior Learning

Year 9 Bounds and error intervals September

Future Learning

Year 10 Compound measures June

Objectives

- Calculate the upper and lowers bounds of numbers given to varying degrees of accuracy;
- Calculate the upper and lower bounds of an expression involving the four operations;
- Find the upper and lower bounds in real-life situations using measurements given to appropriate degrees of accuracy;
- Find the upper and lower bounds of calculations involving perimeters, areas and volumes of 2D and 3D shapes;
- Calculate the upper and lower bounds of calculations, particularly when working with measurements;
- Given a measurement/value with a 10% error interval, work out the range of possible values.

Pedagogical notes (implementation)

Students should use 'half a unit above' and 'half a unit below' to find upper and lower bounds.
Encourage use a number line when introducing the concept.
Encourage students to always write an error interval when beginning to solve a bounds problem.

How will understanding be assessed & recorded (Impact)

End of half term no
End of Year Mocks in April

How can parents help at home?

MathsWatch clips (Qualification KS4)

Further reading/discussion

Reading / Enrichment	Literacy	Numeracy Links	Careers Links
			Building Engineering Scientist