
UNIT 3 *Indices and Standard Form* Lesson Plans

St

These are based on 45/50 minute lessons.

<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
1.	Index Notation	
	Introduction	OS 3.1
	Exercises - interactively	PB 3.1, Q1
	Exercises - interactively	PB 3.1, Q2
	Exercises	PB 3.1, Q3
	Review answers	
	Set homework	PB 3.1, Q7 and Q8 or Q11
<hr/>		
2.	Laws of Indices	
	Discuss homework	
	Introduction	OS 3.2
	Exercises - interactively	PB 3.2, Q1
	Mental Test	M 3.1
	Review answers	
	Set homework	BP 3.2, Q3 or Activity 3.1
<hr/>		
3.	Revision Test	
	Discuss homework	
	Revision Test	RT 3.1
<hr/>		
4.	Recap	
	Give back marked tests	
	Go over test questions interactively	
	Revise topics	

UNIT 3 *Indices and Standard Form* Lesson Plans


<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
1.	Index Notation	
	Introduction	OS 3.1
	Exercises - interactively	PB 3.1, Q1
	Exercises - interactively	PB 3.1, Q2
	Exercises	PB 3.1, Q3
	Review answers	
	Set homework	PB 3.1, Q7 and Q11
2.	Laws of Indices 1	
	Discuss homework	
	Introduction	OS 3.2 / 3.3
	Exercises - interactively	PB 3.2, Q1
	Exercises	PB 3.2, Q2
	Review answers	
	Activity	Activity 3.1
Set homework	Complete Activity 3.1 or PB 3.2, Q5	
3.	Laws of Indices 2	
	Discuss homework	
	Exercises	PB 3.2, Q6
	Review answers	
	Exercises - interactively	PB 3.2, Q7
	Mental Test	M 3.2
	Review answers	
Set homework	PB 3.2, Q8 and Q9	
4.	Negative Indices	
	Discuss homework	
	Introduction to concept	OS 3.4
	Exercises - interactively	PB 3.3, Q1
	Exercises	PB 3.3, Q2
	Review answers	
	Activity	Activity 3.2
Set homework	Complete Activity 3.2 or PB 3.3, Q3	

UNIT 3 *Indices and Standard Form* Lesson Plans

A

<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
5.	Standard Form Discuss homework Introduction Exercises Review answers Exercises Review answers Exercises Review answers Activity Set homework	OS 3.5 and 3.6 PB 3.4, Q1 PB 3.4, Q2 PB 3.4, Q3 Activity 3.3 Complete Activity 3.3 or PB 3.4, Q4 and Q5
6.	Revision Test Discuss homework Revision Test	RT 3.2
7.	Recap Give back marked tests Go over test questions interactively Revise topics	

UNIT 3 *Indices and Standard Form* Lesson Plans

E

<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
1.	Laws of Indices 1	
	Review index notation	OS 3.1
	Exercises	PB 3.1, Q11
	Review answers	
	Laws of indices	OS 3.2
	Exercises	PB 3.2, Q1 and Q2
	Review answers	
	Set homework	Activity 3.1
2.	Laws of Indices 2	
	Discuss homework	
	Laws of indices - recap	OS 3.3
	Exercises	PB 3.2, Q6
	Review answers	
	Exercises	PB 3.2, Q7
	Review answers	
	Activity	Activity 3.2
	Set homework	Complete Activity 3.2 or PB 3.2, Q9 and Q10
3.	Negative Indices	
	Discuss homework	
	Introduction	OS 3.4
	Exercises - interactively	PB 3.3, Q1
	Exercises - interactively	PB 3.3, Q2
	Mental Test	M 3.3
	Review answer	
	Exercises	PB 3.3, Q4
	Review answers	
		Set homework
4.	Standard Form 1	
	Discuss homework	
	Introduction	OS 3.5 / 3.6
	Exercises	PB 3.4, Q2
	Review answers	
	Exercises	PB 3.4, Q3
	Review answers	
	Activity	Activity 3.3
	Set homework	Complete Activity 3.3 or PB 3.4, Q4

UNIT 3 *Indices and Standard Form* Lesson Plans

E

<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
5.	Standard Form 2 Discuss homework Calculations in standard form Exercises Review answers Exercises Review answers Activity Set homework	 OS 3.7 PB 3.4, Q6 PB 3.4, Q7 Activity 3.4 Complete Activity 3.4 or PB 3.4, Q11 or Q12
6.	Fractional Indices Discuss homework Definitions Exercises - interactively Exercises Review answers Exercises Review answers Set homework	 OS 3.8 PB 3.5, Q1 PB 3.5, Q2 PB 3.5, Q5 PB 3.5, Q4 and Q6
7.	Revision Test Discuss homework Revision Test	 RT 3.3
8.	Recap Give back marked tests Go over test questions interactively Revise topics	