

UNIT 7 *Transformations*

Lesson Plans

St

These are based on 45/50 minute lessons.

<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
1.	Shapes	
	Names and Properties of 2-D Shapes	OS 7.1
	Exercises	PB 7.1, Q1
	Review answers	
	'Congruent' or 'similar'	OS 7.2
	Exercises	PB 7.1, Q2
	Review answers	
	Exercises	PB 7.1, Q5
	Review answers	
	Set homework	PB 7.1, Q6 and Q7
2.	Translations	
	Discuss homework	
	Introduction	OS 7.3
	Exercises	PB 7.2, Q1
	Review answers	
	Exercises	PB 7.2, Q2
	Review answers	
	Exercises	PB 7.2, Q3
	Review answers	
	Set homework	PB 7.2, Q4 and Q6
3.	Enlargements	
	Discuss homework	
	Introduction to concept	OS 7.4
	Exercises	PB 7.3, Q1
	Review answers	
	Exercises	PB 7.3, Q2
	Review answers	
	Set homework	PB 7.3, Q11
4.	Reflections	
	Discuss homework	
	Introduction to concept	OS 7.7
	Exercises	PB 7.4, Q1
	Review answers	
	Exercises	PB 7.4, Q2
	Review answers	
	Activity	Activity 7.1
	Set homework	PB 7.4, Q11 and Q12

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<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
5.	Rotations	
	Discuss homework	
	Introduction - rotational symmetry	PB 7.5, Example 1
	Exercises	PB 7.5, Q1 and Q2
	Review answers	
	Rotations (including centre of rotation)	OS 7.9
	Exercises	PB 7.5, Q3
	Review answers	
	Mental Test	M 7.1
	Review answers	
	Set homework	PB 7.5, Q4 and Q12
6.	Revision Test	
	Discuss homework	
	Revision Test	RT 7.1
7.	Recap	
	Give back marked tests	
	Go over test questions interactively	
	Revise topics	

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<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
1.	Shapes	
	Names and Properties of 2-D Shapes	OS 7.1
	Exercises	PB 7.1, Q1
	Review answers	
	'Congruent' or 'similar'	OS 7.2
	Exercises	PB 7.1, Q2
	Review answers	
	Exercises	PB 7.1, Q5
	Review answers	
	Set homework	PB 7.1, Q4, Q6 and Q7
2.	Translations	
	Discuss homework	
	Introduction	OS 7.3
	Exercises	PB 7.2, Q1
	Review answers	
	Exercises	PB 7.2, Q2
	Review answers	
	Exercises	PB 7.2, Q6
	Review answers	
	Set homework	PB 7.2, Q4, Q7 and Q9
3.	Enlargements	
	Discuss homework	
	Introduction to concept	OS 7.4
	Exercises	PB 7.3, Q1
	Review answers	
	Centre of enlargement	OS 7.5
	Exercises	PB 7.3, Q6
	Review answers	
	Finding centre of enlargement	OS 7.6
	Exercises	PB 7.3, Q7
	Review answers	
	Set homework	PB 7.3, Q5 and Q11

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4. Reflections

Discuss homework

Recap concept

OS 7.7

Exercises

PB 7.4, Q2 and Q3

Review answers

Equation of mirror line

OS 7.8

Exercises

PB 7.4, Q4 and Q5

Review answers

Activity

Activity 7.1

Review answers

Set homework

PB 7.4, Q11 and Q12

5. Rotations

Discuss homework

Introduction - rotational symmetry

PB 7.5, Example 1

Exercises

PB 7.5, Q1 and Q2

Review answers

Rotations (including centre of rotation)

OS 7.9

Exercises

PB 7.5, Q3

Review answers

Activity

Activity 7.2 or Activity 7.3

Set homework

PB 7.5, Q11, Q12 and Q13

6. Combining Transformations

Discuss homework

Introduction

OS 7.11

Exercises

PB 7.6, Q1

Review answers

Mental Test

M 7.2

Review answers

Activity

Activity 7.3 or Activity 7.4

Set homework

Complete Activity 7.3 or Activity 7.4

7. Revision Test

Discuss homework

Revision Test

RT 7.2

8. Recap

Give back marked tests

Go over test questions interactively

Revise topics

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<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
1.	Translations	
	Introduction	OS 7.3
	Exercises	PB 7.2, Q2
	Review answers	
	Exercises	PB 7.2, Q7
	Review answers	
	Set homework	PB 7.2, Q9 and Q10
2.	Enlargements	
	Discuss homework	
	Introduction to concept	OS 7.4
	Exercises	PB 7.3, Q1
	Review answers	
	Centre of enlargement	OS 7.5
	Exercises	PB 7.3, Q5
	Review answers	
	Finding the centre of enlargement	OS 7.6
	Exercises	PB 7.3, Q7
	Review answers	
	Set homework	PB 7.3, Q10 and Q11
3.	Reflections	
	Discuss homework	
	Introduction to concept	OS 7.7 and OS 7.8
	Exercises	PB 7.4, Q3
	Review answers	
	Exercises	PB 7.4, Q5
	Review answers	
	Activity	Activity 7.2 or Activity 7.3
	Set homework	Complete Activity 7.2 or Activity 7.3 and PB 7.4, Q13 and Q14
4.	Rotations	
	Discuss homework	
	Introduction	OS 7.9
	Exercises	PB 7.5, Q6
	Review answers	
	Describing rotations	OS 7.10
	Exercises	PB 7.5, Q11
	Review answers	
	Mental Test	M 7.3
	Review answers	
	Set homework	PB 7.5, Q9 and Q13

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Lesson Plans

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<i>Lesson No.</i>	<i>Suggested Plan</i>	<i>References</i>
5.	Combining Translations Discuss homework Introduction Activity Review answers Exercises Review answers Set homework	 OS 7.11 Activity 7.4 PB 7.6, Q7 and Q8 PB 7.6, Q11
6.	Revision Test Discuss homework Revision Test	 RT 7.3
7.	Recap Give back marked tests Go over test questions interactively Revise topics	