UNIT 4 *Trigonometry*   Lesson Plans   St

Lesson No.   *References*

1.   Triangles and Squares

Revise names of special triangles

Areas of aquares and triangles   T4.1

Exercises   T4.1

Introduce Pythagoras'Theorem   A4.1

Homework   P4.1

(or complete A4.1)

2.   Pythagoras' Theorem

Review result

Examples   T4.2

Exercises   T4.2

Worked questions (e.g. Q8, Q15)   T4.2

Homework   P4.2 (Q.5, 7 and 8)

3.   Extending Pythagoras' Theorem

Introduce through worked example or activity   T4.3 / A4.5

Exercises   T4.3

Introduce whole class activity   A4.2

Homework   P4.3 (Q.5, 6 and 7)

4.   Sine, Cosine and Tangent

Introduce definitions   OS 4.1

Examples   T4.4

Exercises   T4.4

Whole class activity (or homework)   OS 4.2

Homework   P4.4

5.   Finding Lengths

Examples   T4.5

Class example   T4.5

Worked questions (e.g. Q14, 15)   T4.5

Practical activity (introduce and complete for homework)   A4.3

Homework   P4.5 (Q.6 and 8)

UNIT 4 *Trigonometry*	Lesson Plans	**St**

Lesson No.   *References*

6. **Finding Angles**

Examples	T4.6
Exercises	T4.6
Worked questions (e.g. Q12)	T4.6
Review results of Unit	
Homework	P4.6 (Q.2)

UNIT 4 *Trigonometry*   Lesson Plans   **St**

UNIT 4 *Trigonometry*   Lesson Plans $\boxed{\textbf{A}}$

Lesson No.   *References*

1.   Pythagoras' Theorem
Review result

Examples   T4.2

Exercises   T4.2

Worked questions (e.g. Q8, Q15)   T4.2

Homework   P 4.2 (Q.5, 7 and 8)

2.   Extending Pythagoras' Theorem
Introduce through worked example or activity   T4.3 / A4.5

Exercises   T4.3

Introduce whole class activity   A4.2

Homework   P 4.3 (Q.5, 6 and 7)

3.   Sine, Cosine and Tangent
Introduce definitions   OS 4.1

Examples   T4.4

Exercises   T4.4

Whole class activity (or homework)   OS 4.2

Homework   P 4.4

4.   Finding Lengths
Examples   T4.5

Class example   T4.5

Worked questions (e.g. Q14, 15)   T4.5

Practical activity (introduce and complete for homework)   A4.3

Homework   P 4.5 (Q.6 and 8)

5.   Finding Angles
Examples   T4.6

Exercises   T4.6

Worked questions (e.g. Q12)   T4.6

Review results of Unit

Homework   P 4.6 (Q.2)

UNIT 4 *Trigonometry*   Lesson Plans $\boxed{\textbf{A}}$

Lesson No.   *References*

6.   **Mixed Problems**

Whole class activity   A4.4 (or 4.6)

Examples   T4.7

Exercises   T4.7

Worked questions (e.g. Q.11 or 12)   T4.7

Homework   P4.7 (Q.5, 6 and 8)

UNIT 4 *Trigonometry* Lesson Plans $\boxed{\textbf{E}}$

Lesson No.   *References*

1.   **Sine, Cosine and Tangent**

Introduce definitions   OS 4.1

Examples   T4.4

Exercises   T4.4

Whole class activity (or homework)   OS 4.2

Homework   P 4.4

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2.   **Finding Lengths**

Examples   T4.5

Class example   T4.5

Worked questions (e.g. Q14, 15)   T4.5

Practical activity (introduce and complete for homework)   A4.3

Homework   P 4.5 (Q.6 and 8)

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3.   **Finding Angles**

Examples   T4.6

Exercises   T4.6

Worked questions (e.g. Q12)   T4.6

Review results of Unit

Homework   P 4.6 (Q.2)

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4.   **Mixed Problems**

Whole class activity   A4.4 (or 4.6)

Examples   T4.7

Exercises   T4.7

Worked questions (e.g. Q.11 or 12)   T4.7

Homework   P4.7 (Q.5, 6 and 8)

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5.   **Sine and Cosine Rules**

Sine rule proof   T4.8

Examples   T4.8

Exercises   T4.8

Activity   A4.7

Homework   P4.8 (Q.10, 11 and 12)

UNIT 4 *Trigonometry*   Lesson Plans $\boxed{\textbf{E}}$

Lesson No.   *References*

6. **Angles Larger than** 90°

Introduction   OS 4.3 / 4.3

Examples   T4.9

Exercises   T4.9

Worked question (e.g. Q.15)   A4.9

Homework   P4.9 (Q.5, 6)

UNIT 4 *Trigonometry*   Lesson Plans