

For each lesson please follow the link to Oak National Academy and watch the video, complete any worksheets and exit quiz.

Year 8

Week 1 – Maths Volume and surface area of prisms

JOURNEYS

Journey; a passage through life, changing and developing over time.

Life is a journey filled with lessons, hardships, heartaches, joys, celebrations and special moments. Enjoy the ride, not just the destination. Cherish each time and don't wish it away.

Monday

Lesson 1 3d shape

In this lesson you will learn about the properties of 3D shapes.

<https://classroom.thenational.academy/lessons/3-d-shapes-crwp2c>

TASKS: -

1. Watch the video of the lesson
2. Download the worksheet and complete the tasks
3. What have you learnt? Complete the exit quiz

Tuesday

Lesson 2 – Prisms and cylinders

By the end of this lesson you will be able to identify prisms and cylinders.

<https://classroom.thenational.academy/lessons/prisms-and-cylinders-c9k6cd>

TASKS: -

1. Complete the introduction quiz
2. Watch the video of the lesson
3. Download the worksheet and complete the tasks
4. What have you learnt? Complete the exit quiz

Wednesday

Lesson 3 – Nets of cubes

In this lesson you will practise visualising the nets of cubes as 3D shapes.

<https://classroom.thenational.academy/lessons/nets-of-cubes-crtp4d>

TASKS: -

1. Complete the introduction quiz
2. Watch the video of the lesson
3. Download the worksheet and complete the tasks
4. What have you learnt? Complete the exit quiz

Thursday

Lesson 4 – Nets of prisms

In this lesson you will learn about nets of prisms.

<https://classroom.thenational.academy/lessons/nets-of-prisms-ctk38d>

TASKS: -

1. Complete the introduction quiz
2. Watch the video of the lesson
3. Download the worksheet and complete the tasks
4. What have you learnt? Complete the exit quiz

Friday

Lesson 5 – Counting cubes (part 1)

In this lesson you will explore different strategies to count the number of cubes a solid shape is made from.

<https://classroom.thenational.academy/lessons/counting-cubes-part-1-c5jp8d>

TASKS: -

1. Complete the introduction quiz
2. Watch the video of the lesson
3. Download the worksheet and complete the tasks
4. What have you learnt? Complete the exit quiz

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Year 8

Week 2 – Maths Volume and surface area of prisms

JOURNEYS

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Monday

Lesson 6 – Counting cubes (part 2)

In this lesson, you will learn what volume is, and you will use informal counting strategies to find the volume of different solid shapes.

<https://classroom.thenational.academy/lessons/counting-cubes-part-2-61j3er>

TASKS: -

1. Complete the introduction quiz
2. Watch the video of the lesson
3. Download the worksheet and complete the tasks
4. What have you learnt? Complete the exit quiz

Tuesday

Lesson 7 Cuboids

In this lesson you will learn how to find the volume of a cuboid.

<https://classroom.thenational.academy/lessons/cuboids-cdjpa>

TASKS: -

1. Complete the introduction quiz
2. Watch the video of the lesson
3. Download the worksheet and complete the tasks
4. What have you learnt? Complete the exit quiz

Wednesday

Lesson 8 – Volume of prisms and cylinders

In this lesson you will learn how to find the volume of prisms and cylinders.

<https://classroom.thenational.academy/lessons/volume-of-prisms-and-cylinders-6nhpat>

TASKS: -

1. Begin with introduction quiz
2. Watch the video lesson
3. Download the worksheet and complete the tasks
4. Complete the exit quiz

Thursday

Lesson 9 – Surface area introduction

In this lesson you will be introduced to surface area.

<https://classroom.thenational.academy/lessons/surface-area-introduction-6dhp2d>

Lesson 10 – Surface area conjectures

In this lesson you will explore patterns related to surface area and form conjectures based on your findings.

<https://classroom.thenational.academy/lessons/surface-area-conjectures-c4rp6t>

For both lessons complete the following **TASKS: -**

5. Complete the introduction quiz
6. Watch the video of the lesson
7. Download the worksheet and complete the tasks
8. What have you learnt? Complete the exit quiz

Friday

Lesson 11 – Surface area of cuboids

In this lesson you will learn how to find the surface area of cuboids.

<https://classroom.thenational.academy/lessons/surface-area-of-cuboids-6mrk0d>

Lesson 12 – Surface area of cylinders

In this lesson you will learn how to find the surface area of cylinders.

<https://classroom.thenational.academy/lessons/surface-area-of-cylinders-70t68c>

For both lessons complete the following **TASKS: -**

1. Complete the introduction quiz
2. Watch the video of the lesson
3. Download the worksheet and complete the tasks
4. What have you learnt? Complete the exit quiz

