

# SCHOLAR



# SCHOLAR

*"The SCHOLAR programme offers subjects which provide a route into careers in science, engineering, business and modern languages.*

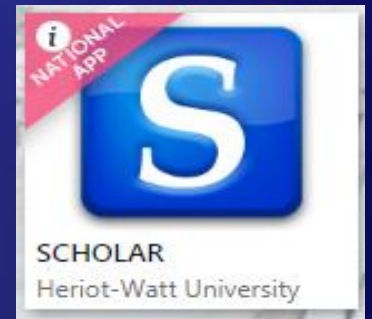
*SCHOLAR provides an integrated set of materials and services which meets the needs of students and their teachers."*

- comprehensive online interactive materials, assessments and revision packs
- study guides
- tutor notes with valuable curriculum information.



# Accessing SCHOLAR

Every S4, S5 and S6 pupil at Monifieth High School studying SCHOLAR supported courses can access materials. All you have to do is add the SCHOLAR tile to their GLOW Launchpad.



## SCHOLAR Courses available:-

- Biology AH & H
- Chemistry AH & H
- Computing AH & H
- Human Biology H
- Maths AH, H & Nat 5
- Physics AH, H
- English AH, H & Nat 5
- French AH, H, Nat 5
- Spanish AH, H, Nat 5
- German N5
- Art H
- Psychology H
- Business Management H



▼ General

- My SCHOLAR
- Reports
- Password Admin
- Revision Planner

▼ Revision Today

None

Information

- Live Online Sessions
- Technical Requirements
- Be safe on the internet



Welcome

**Kerry Perry of Monifieth High School**

You are new to this content

SCHOLAR News

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[Scottish FE College Student and Teacher Passwords](#)

SCHOLAR Scottish FE college student and teacher passwords for 2017/18 to be disabled.

You are currently enrolled on the following 26 courses:

Resources

National 5 English		
Support Materials for National 5 French		
Support Materials for National 5 German		
Support Materials for National 5 Spanish		
National 5 Mathematics		
Higher Art and Design		
Higher Biology		
Higher Business Management		
Higher Chemistry		
Higher Computing Science		
Higher English		
Higher French		
Higher Human Biology		
Higher Mathematics		
Higher Physics		

List of subjects available to you

# EXAMPLE OF COURSE MATERAILS AVAILABLE FOR HIGHER MATHS

## SCHOLAR

Online courses for schools across Scotland

My SCHOLAR > National 5 Mathematics (PREVIEW) > Course Materials > Topic 1 Volumes of solids >

Logout ▶

### 1 Volumes of solids

Advanced Search   Text Size: A A A

Show / Hide all sub-topics

#### ▼ General

My SCHOLAR

Reports

Revision Planner

#### ▼ Resources

Activities

#### ▼ Revision Today

Control of metabolic...

#### Information

Live Online Sessions

Technical Requirements

Be safe on the internet

#### 1 Volumes of solids

▶ 1.1 Looking back at National 4: Areas and volumes


▶ 1.2 Calculate the volume of a solid


▶ 1.3 Finding an unknown dimension when you know the volume


▶ 1.4 Volumes of composite solids

1.5 Learning points

▶ 1.6 End of topic test

 Assessment


 Interactivity


 Calculation

 Paper-based

 Case study

 Practical

 Discussion

 Programming

 Extra help

 Reading

## Study Guides

Advanced Search   Text Size: A A A

### ▼ General

- My SCHOLAR
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### ▼ Resources

- Course Structure
- Help with Maths Input
- Study Guides
- Activities

### ▼ Revision Today

None

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## Course Materials



Topic 1: Partial fractions [3.5 MB]



Topic 2: Differentiation [10.7 MB]



Topic 3: Integration [6.5 MB]



Topic 4: Differential equations [3.4 MB]



Topic 5: Binomial Theorem [1.9 MB]



Topic 6: Complex numbers [11.7 MB]



Topic 7: Sequences and series [5.7 MB]



Topic 8: Curve sketching [22.8 MB]



Topic 9: Matrices [9.0 MB]



Topic 10: Vectors [7.5 MB]



Topic 11: Euclid's algorithm [1.0 MB]



Topic 12: Methods of proof [2.1 MB]

### Key:



= Download compressed file in ZIP format



= Download Portable Document Format



= Download File



= External Link

# Higher Maths Activities

**Activity Report** Advanced Search   Text Size: A A A

[Show](#) / [Hide](#) all activities

**▼ General**

- My SCHOLAR
- Reports
- Password Admin
- Revision Planner

**▼ Resources**

- Course Structure
- Study Guides
- Help with Maths Input
- Homework Sessions
- Exam Tips
- Activities

**▼ Revision Today**

- None

**Information**

- Live Online Sessions
- Technical Requirements
- Be safe on the internet

Found 254 Activities

**▼ Course materials**

**▼ The straight line**

**ASSESSMENT**

- Calculating the coordinates of the midpoint exercise
- Calculating the distance between two points exercise
- Collinearity exercise
- End of topic 1 test
- Equations of straight lines exercise
- Gradients of straight lines exercise
- Identifying the y-intercept and gradient of a straight line exercise
- Parallel lines exercise
- Perpendicular lines exercise
- The gradient and  $\tan \theta$  exercise
- Using the properties of altitudes exercise
- Using the properties of medians exercise
- Using the properties of perpendicular bisectors exercise

**INTERACTIVITY**

- Equation of a straight line
- Parallel lines

**▼ Vectors**

**ASSESSMENT**

- Add, subtract and multiply vectors in 2D and 3D exercise
- Collinearity exercise
- Division of vectors in a given ratio exercise
- End of topic 2 test
- Magnitude of vectors exercise
- Parallel vectors exercise
- Perpendicular vectors exercise
- Position vectors exercise
- The scalar product: Component form exercise
- The scalar product: Geometric form exercise
- Unit vectors exercise
- Vector journeys exercise

Resources Available



# Online Tutor Sessions

- Introduction
- [Schedule](#)
- [Recordings](#)

Dates and times are posted on Twitter by PC&S and relevant departments every week.

## Introduction

All students and teachers are welcome to attend Online Tutor Sessions which are interactive events on a variety of fundamental areas hosted by subject specialists who have extensive teaching experience.

Each session lasts up to an hour in total, including time for questions and answers towards the end. The upcoming sessions can be found in our [Online Tutor Sessions Schedule](#).

## Live e-Sgoil Study Support

During lockdown, working in partnership with SCHOLAR and SCILT, e-Sgoil delivered a programme of live interactive lessons to in-home learners using video conferencing technology.

e-Sgoil are now offering live webinar sessions that complement SCHOLAR's e-learning resources for over a dozen National 5 and Higher courses. These webinars give learners the opportunity to:

- participate in an extensive series of live early-evening study support webinar lessons from their own homes.
- benefit from specialist teacher input during the live, real-time webinar lessons.
- access subject specific resources in advance of the webinar lessons.

The e-Sgoil webinars are currently being offered in blocks of eight sessions.

	5 PM	6 PM	7 PM
Monday	National 5 Mathematics	Higher Business Management National 5 Physics	Higher Physics Higher Computing Science
Tuesday		Higher Spanish	
Wednesday	Higher French Higher Gaelic Learners Higher Mathematics		

