

YEAR 10

From 21st March 2022

Subject

Lesson and Resources

Notes / Extension Task

CORE SUBJECTS

Maths
(Sets 3,4,5)

Lesson 1

Simplify Ratio **HM: 329**
Write in the form 1:n **HM: 331**
[Simplify Ratios Practice](#)

Lesson 2

Ratios as fractions and percentages **HM:330**
[Ratios as Fractions and Percentages](#)

Lesson 3

Share in a Ratio 1 **HM:332**
Share in a Ratio 2 **HM:333**
[Share the total in a Ratio](#)
[Sharing a ratio given one value](#)

Lesson 4

Share in a Ratio 3 **HM:334**
[Ratio - Difference Between](#)

Lesson 5

[Combining Ratio](#)
Click on the video link at the top of the page before completing the questions

Lesson 6

Ratio Problem Solving **HM:335**
[Ratio Problem Solving](#)

Lesson 7

[Ratio Exam Questions](#)
[Answers](#)

Notes:

For each lesson, find the relevant Hegarty Task using the search bar.

You will need to watch the video before you attempt the questions. You can use the 'Get Help' button if you are struggling with a question.

When you have completed the Hegarty Task, click on the link to complete additional practice questions.

Extension Tasks:

[Further Ratio Exam Questions](#)
[Solutions](#)

Maths (Sets 1,2)	<u>Lesson 1</u> Simplify Ratio HM: 329 Write in the form 1:n HM: 331 Simplify Ratios Practice	Notes: For each lesson, find the relevant Hegarty Task using the search bar. <div style="border: 1px solid #ccc; padding: 5px; margin: 5px 0;"> <input type="text" value="Search HegartyMaths"/> </div> You will need to watch the video before you attempt the questions. You can use the 'Get Help' button if you are struggling with a question. When you have completed the Hegarty Task, click on the link to complete additional practice questions. Extension Tasks: Higher Ratio Exam Questions Solutions
	<u>Lesson 2</u> Ratios as fractions and percentages HM:330 Ratios as Fractions and Percentages	
	<u>Lesson 3</u> Share in a Ratio 1 HM:332 Share in a Ratio 2 HM:333 Share the total in a Ratio Sharing a ratio given one value	
	<u>Lesson 4</u> Share in a Ratio 3 HM:334 Ratio - Difference Between	
	<u>Lesson 5</u> Combining Ratio Click on the video link at the top of the page before completing the questions	
	<u>Lesson 6</u> Ratio Problem Solving HM:335, 336, 337 Ratio Problem Solving	
	<u>Lesson 7</u> Ratio Exam Questions Answers	

Science (CMB)	Acid and base reactions and observations https://classroom.thenational.academy/lessons/acid-base-reactions-cgt66t https://classroom.thenational.academy/lessons/observations-from-acid-base-reactions-68w36d Base ionic equations HT: https://classroom.thenational.academy/lessons/acid-base-ionic-equations-74r62c	Use Seneca to do the independent learning task
	Making salts: https://classroom.thenational.academy/lessons/making-salts-crw68c	
	Acids, alkalis and the pH scale: https://classroom.thenational.academy/lessons/acids-alkalis-and-the-ph-scale-chj38c Strong and weak acids HT: https://classroom.thenational.academy/lessons/strong-and-weak-acids-ctk34d	
	Electrolysis of molten compounds https://classroom.thenational.academy/lessons/electrolysis-of-molten-compounds-cgw66t	
Science (DWD)	What is energy https://classroom.thenational.academy/lessons/energy-transfers-64upac	Use Seneca to do the independent learning task(s)
	Kinetic Energy Store https://classroom.thenational.academy/lessons/the-kinetic-energy-store-6thpad	
	Gravitational Potential Energy Store https://classroom.thenational.academy/lessons/the-gravitational-potential-store-crr6ar	
	Conservation of Energy https://classroom.thenational.academy/lessons/conservation-of-energy-71gk6c	

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FOUNDATION SUBJECTS

Art

Lesson 1-4
Continue the development of your project towards a final piece. This development is going to be personal to your own project and depends on the theme/direction you wish to take your work. Everything should be recorded in your sketchbook.

Consider the following things:
- Experimenting with materials
- Experimenting with composition
- Testing out colours
- Taking more photographs of the objects you are exploring.

If you are UNSURE at any point, please contact your teacher with any questions and further guidance.

You should be ready to begin your final piece on 28th March.

Computer Science

Lesson 1
[https://regisschool.sharepoint.com/sites/studentshare/Documents/Subjects/Computing/2021 22/Year 10 Computer Science/Continuation of learning Lesson 1](https://regisschool.sharepoint.com/sites/studentshare/Documents/Subjects/Computing/2021%2022/Year%2010%20Computer%20Science/Continuation%20of%20learning%20Lesson%201)

Lesson 2
[https://regisschool.sharepoint.com/sites/studentshare/Documents/Subjects/Computing/2021 22/Year 10 Computer Science/Continuation of learning Lesson 2](https://regisschool.sharepoint.com/sites/studentshare/Documents/Subjects/Computing/2021%2022/Year%2010%20Computer%20Science/Continuation%20of%20learning%20Lesson%202)

Lesson 3
[https://regisschool.sharepoint.com/sites/studentshare/Documents/Subjects/Computing/2021 22/Year 10 Computer Science/Continuation of learning Lesson 3](https://regisschool.sharepoint.com/sites/studentshare/Documents/Subjects/Computing/2021%2022/Year%2010%20Computer%20Science/Continuation%20of%20learning%20Lesson%203)

Lesson 4
[https://regisschool.sharepoint.com/sites/studentshare/Documents/Subjects/Computing/2021 22/Year 10 Computer](https://regisschool.sharepoint.com/sites/studentshare/Documents/Subjects/Computing/2021%2022/Year%2010%20Computer)


Notes:
Make notes from the PowerPoint. Complete the Knowitall Ninja quiz at the end.

Extension task:
Review all Knowitall Ninja questions.

	<u>Science/Continuation of learning Lesson 4</u>	
Drama	Please email: f.hill@theregisschool.co.uk	
Food	Lesson 1: Pastry and finishing techniques Pastry pie making.pptx Shortcrust Pastry Making.docx	Do Now to recall functions of ingredients in pastry. Watch the video to learn about effective finishing techniques. Use the instructions on slide 5 to complete the timeplan about pastry making.
	Lesson 2: Food choice – culture and religion Food choice for health exam questions.rtf	Do Now: Recall questions about food choice for health. Research, and present, information about the specific foods that some cultures and religions choose not to eat due to their beliefs.
	Lesson 3: Apple pie.docx	Students in school will be making choux apple pie. If you have permission/are able you could have a go at home following the recipe attached. We would love to see pictures of what you create!
	Lesson 4: Factors affecting food choice	Research and present your findings about why people may need to follow the 5 different diets below: 1. Coeliac 2. Lactose free 3. High fibre 4. Reduced sugar or salt 5. Reduced fat

IT BTEC	Lesson 1 \\regisschool.sharepoint.com@SSL\DavWWWRoot\sites\studentshare\Documents\Subjects\Computing\2021 22\Year 10 Btec\Continuation of learning Lesson 1	Notes: Use the link to get to the lesson resources. You are working on this section of the coursework. Complete for homework. Extension task: Review all Knowitall Ninja questions.
	Lesson 2 \\regisschool.sharepoint.com@SSL\DavWWWRoot\sites\studentshare\Documents\Subjects\Computing\2021 22\Year 10 Btec\Continuation of learning Lesson 2	
	Lesson 3 \\regisschool.sharepoint.com@SSL\DavWWWRoot\sites\studentshare\Documents\Subjects\Computing\2021 22\Year 10 Btec\Continuation of learning Lesson 3	
	Lesson 4 \\regisschool.sharepoint.com@SSL\DavWWWRoot\sites\studentshare\Documents\Subjects\Computing\2021 22\Year 10 Btec\Continuation of learning Lesson 4	
Media Studies	Activity 1 - Writing Guide	This work will run until the end of March.
	6. Planning your content	
	7. Planning your Activity - 2	
	8. Reviewing the plans	
	Content and Style Homework	
Music	Please contact Mrs Boyes tracey.boyes@theregisschool.co.uk	

<p style="text-align: center;">Photography</p>	<p>Lesson 1-4</p> <p>Continue the development of your project towards a final piece. This development is going to be personal to your own project and depends on the theme/direction you wish to take your work. Everything should be recorded in your PowerPoint with editing screenshots and notes.</p> <p>Consider the following things:</p> <ul style="list-style-type: none"> - Complete a new shoot that pushes the development of your work further. - Edit your shoots using online or free editing apps such as Pixlr or Photopea. -Experiment with physical editing processes 	<p>If you are UNSURE at any point, please contact your teacher with any questions and further guidance.</p> <p>You should be ready to begin your final piece on 4th April.</p>
<p style="text-align: center;">Physical Education BTEC</p>	<p>Revisit knowledge from your SPs. Unstructured non teacher set work for the year 10s would be from their SPs. Teachers will email specific students missing from their class or email your teacher for guidance.</p>	<p>Please email your class teacher to request work. Your teacher will set you work that is bespoke to the unit you are currently covering in lesson. Email address are below for ease.</p> <p>Mr Purgavie Benjamin.Purgavie@theregisschool.co.uk Miss Buckingham Emily.Buckingham@theregisschool.co.uk Mrs Lovelock Jennifer.Lovelock@theregisschool.co.uk Mr Thompson Rhys.Thompson@theregisschool.co.uk Mr Manvell Daniel.Manvell@theregisschool.co.uk Mr Parkinson Samuel.Parkinson@theregisschool.co.uk</p>

<p style="text-align: center;">Product Design</p>	<p><u>Lesson 1 & 2</u> <u>Do Now recap questions –</u></p> <ol style="list-style-type: none"> 1. What is an Alloy, why do we do it? 2. What is a composite, give two examples 3. How do we harden steel? 4. What is steel like? 5. What does extrusion mean 6. What is thermoset polymer, give an example? 7. Give an example of an input and an output 8. What is mass production, give two product examples 9. What is JIT? How can it cut costs, but give a disadvantage. 10. What does a standard component mean? 11. Give 4 problems when recycling polymers 12. Explain why we use steel in concrete <p>Review the Smart Materials lesson and answer the questions at the end of the PowerPoint.</p> <div style="text-align: center;">  Smart materials.pptx </div>	<p>Use you SP for any that you cannot answer</p>
	<p><u>Lesson 3</u> Drawing Practise https://www.youtube.com/watch?v=JkpDCUk17K4&t=284s Advanced https://www.youtube.com/watch?v=h3QmfT655Mk</p>	<p>In order to prepare for your design Ideas, follow the tutorial, challenge yourself with the advanced one if you can!</p>
	<p><u>Lesson 4</u> Watch this Ted Talk and send me your notes and three questions: https://www.youtube.com/watch?v=kHyx5qjZEN4</p>	

Religious Studies	<p>Lesson 1 Worship https://classroom.thenational.academy/lessons/worship-6xh3jt</p>	<p>Notes: 1. Open the link and complete the lesson, pause the video as and when needed.</p> <p>Extension Task: Write a response to the 12-mark question 'Worship is the most important practice for Christians'. Evaluate this statement. You should include arguments for, arguments against, and a conclusion.</p>
	<p>Lesson 2 Baptism https://classroom.thenational.academy/lessons/baptism-64wp8d</p>	<p>Notes: 1. Open the link and complete the lesson, pause the video as and when needed.</p> <p>Extension Task: Write a response to the 12-mark question 'Baptism is the most important practice for Christians'. Evaluate this statement. You should include arguments for, arguments against, and a conclusion.</p>
	<p>Lesson 3 Eucharist https://classroom.thenational.academy/lessons/eucharist-6cw3gc</p>	<p>Notes: 1. Open the link and complete the lesson, pause the video as and when needed.</p> <p>Extension Task: Write a response to the 12-mark question 'The Eucharist is the most important practice for Christians'. Evaluate this statement. You should include arguments for, arguments against, and a conclusion.</p>
	<p>Lesson 4 Pilgrimage https://classroom.thenational.academy/lessons/pilgrimage-60v64c</p>	<p>Notes: 1. Open the link and complete the lesson, pause the video as and when needed.</p> <p>Extension Task: Write a response to the 12-mark question 'Pilgrimage is the most important practice for Christians'. Evaluate this statement. You should include arguments for, arguments against, and a conclusion.</p>

Textiles	Lesson 1: Following pattern instructions to make toiles.	<p>This will be a practical lesson for those students in school.</p> <p>After school sessions will run to help you catch up at a later date.</p>
	Lesson 2: Fabric and component choice fabric and component choice.pptx	Use the format on slide 6 to explain and research the fabrics that you want to use to make your garment.
	Lesson 3: Following pattern instructions to make toiles.	<p>This will be a practical lesson for those students in school.</p> <p>After school sessions will run to help you catch up at a later date.</p>
	Lesson 4: Systems approach to designing	<p>Use the link below to connect to Seneca and look at mechanical devices.</p> <p>https://app.senecalearning.com/classroom/course/b4e64de8-a5d1-411b-81e2-aa4e2016e908/section/32cf34cb-5489-4210-9c3c-c504c87aadf7/session</p>