



# Science Mastery



## Science Mastery

## Primary Programme Guide 2021–2022

**Curriculum, Mastery + Development**

[www.arkcurriculumplus.org.uk](http://www.arkcurriculumplus.org.uk)



**ArkCurriculum+**

## Who are we?



Grown out of Ark, one of the highest performing Multi Academy Trusts in the UK, our team of well researched and highly skilled educational designers and trainers guide teachers and their pupils towards subject mastery.

Our mission is to empower teachers to give every young person, regardless of their background, the subject knowledge and skills that will allow them to succeed.

### Curriculum

We believe that great curriculum design and delivery leads to improved teaching and learner outcomes, which impacts positively on children's life chances.

### Mastery

Evidence shows that pupils make more progress when they have been equipped to master a subject. They do this by understanding its fundamental concepts in sufficient depth that they can apply subject knowledge in unfamiliar contexts.

### Development

Our commitment is to empower and equip schools to provide high-quality subject teaching, through curriculum collaboration and integrated professional development, in order to develop young people's subject mastery.



## Why Ark Curriculum Plus works

Our connection with Ark gives us our experience and our specialist expertise, earned while we developed and taught subject curricula across our own network of 38 successful academies in the UK.

Our curriculum programmes have been proven to:

- **have a positive impact on pupil progress and attainment**
- **deepen pupils' understanding of key concepts**
- **engage pupils and increase their enjoyment of lessons**
- **make more impactful use of teacher time**
- **drive change and improve teaching**

Our partner schools are supported every step of the way. We believe in working *with* schools to enable systematic, long-term change to happen from within. Through improved subject knowledge, pedagogic content knowledge, curriculum and lesson design and formative assessment, we enable teachers to make informed adaptations to ensure all lessons are right for the children in their particular class.

Our programmes are kept fresh with innovation and improvement, informed by evidence derived from world-leading educational research and feedback from our partner schools.



“A game changer! Expectations raised across the board for pupils and staff! The curriculum has been strategically developed with each unit building on knowledge, skill and understanding.”

**Fiona Chapman, Principal at Ark Dickens Primary Academy**

# The Science Mastery programme



The Science Mastery programme is already having an impact in our partner schools across the UK, improving the quality of teaching and learning.

Specifically designed for UK classrooms, the programme offers:

- A well sequenced and interlinked KS1 and KS2 science curriculum
- A full suite of classroom planning and delivery resources
- Integrated professional development and subject knowledge support

Take a look at our complete unit overview at [bit.ly/sci-hist-geog](https://bit.ly/sci-hist-geog)

You can find our programme pricing on page 12.



History & Geography  
**Mastery**

## Are you also looking for a comprehensive mastery programme for history and geography?

Our Science Mastery programme has been designed to work alongside our History & Geography Mastery programme for an effective whole-school approach to teaching these subjects. Our curriculum design team have developed all three curriculum sequences with subject integrity at the heart of learning, but where meaningful cross-curricular links are beneficial to your pupils' understanding we have embedded them into the curriculum providing a rich learning experience.

See page 14 to find out more.



Teachers in our partner schools repeatedly tell us what a difference our programme is making:

“The content and layout of the workbooks makes them easily navigable for every pupil. Teachers have ownership over their lessons through the ability to adapt the resources to allow personal scaffolding or challenge for each individual. The full roll out of the programme across Ark Dickens has been eagerly anticipated and enthusiastically received by all.”

**Fiona Chapman | Principal at Ark Dickens Primary Academy**



“The programme has opened up our teachers to a whole new way of thinking and brought a brand new energy to our classrooms. The curriculum resources are rich in knowledge and vocabulary and the supporting resources are so well designed that our teachers are now freed up within their planning and prep time to focus more on how to bring the curriculum to life. They can now think about how to provoke thought, enquiry and discussion.”

**Glenn Prior | Deputy Head Teacher at Ark John Archer Primary Academy**

“This approach has unleashed an excitement for learning here at John Archer, not just for the children, but also for the staff. The intellectual preparation gives staff time to reflect, to ask questions and delve deeper into how the knowledge is to be imparted to the pupils. What Ark Curriculum Plus has really done has enriched our pupils with facts they can apply. They now want to show off what they know, not just in the quizzes, but also in their writing.”

**Moira Cruddas | Principal at Ark John Archer Primary Academy**



Visit our website to hear more about the positive impact Science Mastery has had in other primary schools:  
[www.arkcurriculumplus.org.uk/case-studies](http://www.arkcurriculumplus.org.uk/case-studies)

## Our approach

All our Mastery programmes are written **by teachers for teachers**. You can be certain that they work in the classroom as every programme is **thoroughly tests** both within the Ark Academy Trust and with schools outside our trust.

Thought and care has gone into how to embed rich and deep scientific learning in the classroom. There has been a dual focus on what children should be learning and how best it should be taught.

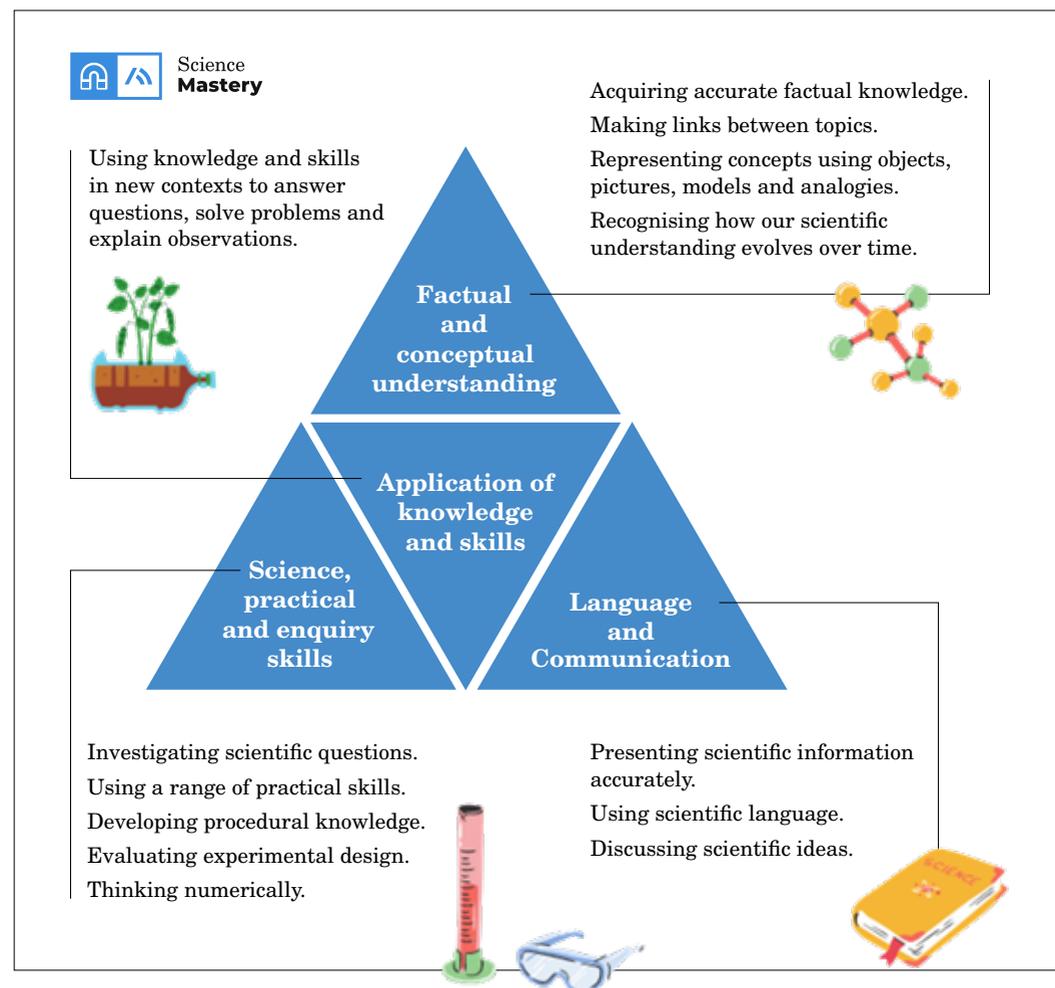
We regularly collect feedback on each unit of the Science Mastery programme from teachers using the curriculum in their school. We then update, improve and develop the programme to ensure every unit is **effective, easy to implement and engaging** for everyone.

The Science Mastery primary curriculum provides you with a knowledge-rich, coherent curriculum that has been strategically sequenced for maximum success. It builds pupils' knowledge, embeds opportunities to work scientifically, and nurtures positive attitudes towards science.



## The Dimensions of Depth

Our curriculum is underpinned by the dimensions of depth – which together enable pupils to develop deep understanding of the subject.



# What do I get when I join the programme?

## The Science Mastery curriculum

The Science Mastery curriculum contains 5 units of work per year group with each unit covering approximately 6 weeks of learning. Every unit contains all the planning, teaching and pupil resources, subject knowledge, and comprehensive professional development needed to support you in delivering the unit effectively.

Available from Year 1 to Year 6



## Planning guidance

Each unit in the Science Mastery curriculum contains comprehensive teaching support for all teachers.

Our new MyMastery learning platform is at the heart of our programme – offering easy ‘anytime, anywhere’ access to the full suite of Science Mastery content.



### Curriculum Overview

A curriculum overview grid clearly outlines the sequence of learning and topics covered within each year group.

### Planning Guidance

Detailed planning guidance features links to prior learning, key knowledge and vocabulary, learning outcomes and assessment opportunities for every unit.

### Lesson Plans

Step-by-step lesson plans support teachers to deliver outstanding science teaching.

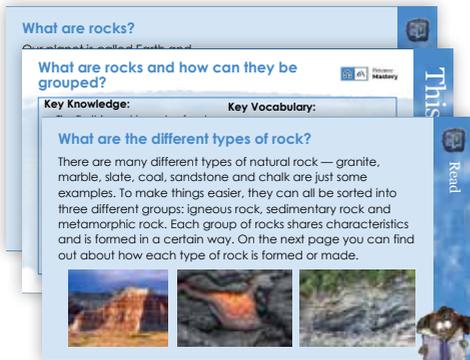


### Unit tutorials

Unit tutorials are integrated throughout the programme to improve teacher subject knowledge and pedagogical expertise.

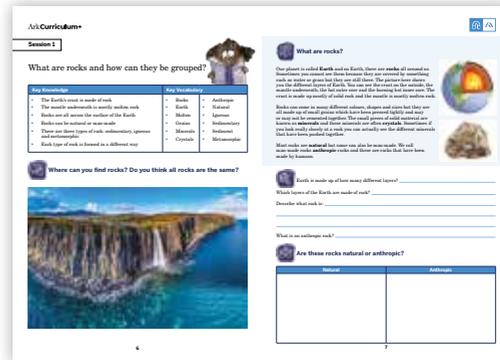
# Lesson resources

Our suite of lesson resources (whether front of class, individual or group resources) are fully editable and can be customised to suit the needs of your class.



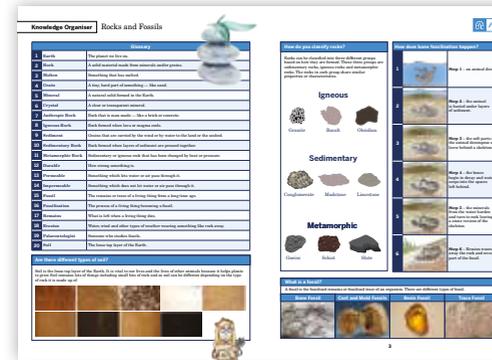
## Powerpoint slides

Time-saving pre-prepared powerpoint slides are included for each lesson.



## Pupil workbooks

A workbook for each unit motivates pupils to learn and complete their learning journey record.



## Pupil knowledge organisers

A subject knowledge organiser is provided for every topic for pupils to refer back to throughout the unit.



## Pupil resources

All additional resources and hand-outs required for each lesson are provided as editable documents.





# Science Mastery Pricing

We are a non-profit organisation.

The schools that we work with are charged a financial contribution which goes towards delivering and developing the programmes. An outline of our pricing structure is below – but do get in touch to receive a quote for your specific setting.

## Science Mastery subscription packages

	Price
KS1	£345
KS2	£600
Whole School (KS1 & 2)	<b>SAVE £45!</b> £900

## Science Mastery renewal prices

	Renewal Price
KS1	£172.50
KS2	£300
Whole School (KS1 & 2)	£450



Printed editions of the workbooks are available to purchase separately, contact [info@arkcurriculumplus.org.uk](mailto:info@arkcurriculumplus.org.uk) for information.



## History & Geography Mastery

### Also available

#### History & Geography Mastery

A comprehensive history and geography mastery programme written and developed alongside science. Implement all three subjects across your school to benefit from the meaningful cross-curricular links across all three subjects.

Find out more: [bit.ly/hist-geog-mastery](https://bit.ly/hist-geog-mastery)

#### ADD HISTORY & GEOGRAPHY AND SAVE AN ADDITIONAL 5%

##### Science, History & Geography Mastery packages

KS1	£655.50
KS2	£1,140
Whole School (KS1 & 2)	£1,710



## Are you already an Ark Curriculum Plus Mathematics Mastery partner school?

**You can upgrade to the complete Primary Mastery package now, ahead of launch.**

We are now offering all of our current Primary Mathematics Mastery partner schools the option to add Science, History & Geography Mastery into their school curriculum. As part of an extended pilot programme, you will get early access to the complete curriculum and all resources for a special early access price of £900.

If you are interested in upgrading please contact our Partnerships Team at: [partnerships@arkcurriculumplus.org.uk](mailto:partnerships@arkcurriculumplus.org.uk).

## Choose the package that's right for your school

Our friendly partnerships team will be happy to talk you through the programmes and help you decide on the right approach and package for your school.

To book a demo, or sign up for a free trial, contact us on:

E: [partnerships@arkcurriculumplus.org.uk](mailto:partnerships@arkcurriculumplus.org.uk)

T: 020 3116 6363

Or book a call online at

[www.arkcurriculumplus.org.uk/book-a-demo](http://www.arkcurriculumplus.org.uk/book-a-demo)



## The complete range of Primary Mastery Programmes



Mathematics  
**Mastery**

Find out more and download your free sample  
[bit.ly/maths-mastery](http://bit.ly/maths-mastery)



Science  
**Mastery**

Find out more and download your free sample  
[bit.ly/primary-science-mastery](http://bit.ly/primary-science-mastery)



History & Geography  
**Mastery**

Find out more and download your free sample  
[bit.ly/hist-geog-mastery](http://bit.ly/hist-geog-mastery)



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