

Statutory guidance

National curriculum in England: mathematics programmes of study

The statutory programmes of study and attainment targets for mathematics at key stages 1 to 4.

From: **Department for Education** (</government/organisations/department-for-education>)

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Applies to England

Documents

[National curriculum in England: mathematics programmes of study](/government/publications/national-curriculum-in-england-mathematics-programmes-of-study) (</government/publications/national-curriculum-in-england-mathematics-programmes-of-study/national-curriculum-in-england-mathematics-programmes-of-study>)

HTML

[National curriculum in England: mathematics programmes of study - key stages 1 and 2](#)

(https://assets.publishing.service.gov.uk/media/5a7da548ed915d2ac884cb07/PRIMARY_national_curriculum_-_Mathematics_220714.pdf)

Ref: DFE-00180-2013
PDF, 488 KB, 47 pages

National curriculum in England: mathematics programme of study - key stage 3

https://assets.publishing.service.gov.uk/media/5a7c1408e5274a1f5cc75a68/SECONDARY_national_curriculum_-_Mathematics.pdf

Ref: DFE-00179-2013
PDF, 205 KB, 9 pages

National curriculum in England: mathematics programme of study - key stage 4

https://assets.publishing.service.gov.uk/media/5a7dc9dced915d2ac884d8ef/KS4_maths_PoS_FINAL_170714.pdf

Ref: DFE-00496-2014
PDF, 312 KB, 11 pages

Mathematics appendix 1

https://assets.publishing.service.gov.uk/media/5a7c5b95e5274a7ee501a6e5/Mathematics_Appendix_1.pdf

PDF, 248 KB, 2 pages

Details

These are the statutory programmes of study and attainment targets for mathematics at key stages 1 to 4. They are issued by law; you must follow them unless there's a good reason not to.

All schools maintained by the local authority in England must teach these programmes of study from September 2016.

Schools are not required by law to teach the example content in [square brackets] or the content indicated as being 'non-statutory'.

At key stage 4, additional content for teaching to higher-attaining pupils is in {braces}.

Short [films of teachers and subject experts talking about the national curriculum](https://www.gov.uk/government/publications/national-curriculum-video-interviews-for-schools) (<https://www.gov.uk/government/publications/national-curriculum-video-interviews-for-schools>) and how to use it are also available.

Mathematics appendix 1 does not appear in the HTML document but is available as a separate PDF.

Additional resources for recovering teaching following during the coronavirus (COVID-19) pandemic

We have published non-statutory guidance on teaching mathematics in [primary schools \(https://www.gov.uk/government/publications/teaching-mathematics-in-primary-schools\)](https://www.gov.uk/government/publications/teaching-mathematics-in-primary-schools) and at [key stage 3 \(https://www.gov.uk/government/publications/teaching-mathematics-at-key-stage-3\)](https://www.gov.uk/government/publications/teaching-mathematics-at-key-stage-3). This guidance identifies the core concepts that pupils need to progress, and can help teachers adapt and prioritise their curriculum.

We have also worked with the [National Centre for Excellence in the Teaching of Mathematics \(https://www.ncetm.org.uk/in-the-classroom/teaching-maths-through-the-pandemic/\)](https://www.ncetm.org.uk/in-the-classroom/teaching-maths-through-the-pandemic/) to develop an aligned package of resources, materials and training. This includes, for example, [180 primary maths video lessons \(https://www.ncetm.org.uk/in-the-classroom/teaching-maths-through-the-pandemic/primary-video-lessons/\)](https://www.ncetm.org.uk/in-the-classroom/teaching-maths-through-the-pandemic/primary-video-lessons/) and a [series of planning to teach secondary maths videos \(https://www.ncetm.org.uk/classroom-resources/planning-to-teach-secondary-maths/\)](https://www.ncetm.org.uk/classroom-resources/planning-to-teach-secondary-maths/) that offer advice on teaching crucial key stage 3 topics.

You can also get help with remote education.

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28 September 2021

Added a link to the new guidance on teaching mathematics at key stage 3.

21 January 2021

Added information about guidance and resources from the National Centre for Excellence in the Teaching of Mathematics.

6 July 2020

Added a link to further guidance on teaching mathematics at key stages 1 and 2.

16 July 2014

Added programme of study for mathematics at key stage 4.

11 September 2013

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