

**2021 FEBRUARY HALF-TERM CAMP
GOLD BOOKLET**

Welcome to the RocketLearn February 2021 Camp!

Welcome to the RocketLearn Online Camp!

Over the next five days, you will be practising your English and maths, learning to meditate, undertaking afternoon challenges, watching live, recorded lesson broadcasts, taking part in Kahoot! quizzes and participating in a competition! There will be certificates, prizes... and a few terrible jokes thrown in for good measure :)

You should have a timetable of the broadcasts; if not, ask a grown-up to print one out for you. It's saved on the [RocketLearn February half-term website page](#), where you can find this booklet. The GOLD broadcasts take place 10:30am, 11am and 2pm (UK Time) on the 15th, 16th, 17th, 18th and 19th February. You can find the broadcasts by typing in the weblink at the beginning of each daily activity in this book, or, by scanning the QR code on your mobile device. If you miss a broadcast, don't worry, you will be able to watch it later.

The broadcasts will teach you exactly how to complete the activities for that day in this booklet. If the GOLD activities are too difficult, you can try the SILVER activities and broadcasts. Ask your grown up for the other booklets.

You should complete the questions in order - only completing the activities for that day, when you have watched the live broadcast. The tasks should take no more than 20/30 minutes per subject (40-60 minutes each day). If it's taking you longer, you are allowed to stop! If you'd like to take extra time, for example when completing some of the 'Afternoon Antics' (we talk about these in the afternoon broadcast) - then you can, of course, do this.

So enjoy the Camp - we're REALLY looking forward to working with you!



Afternoon Antics. Daily at 2pm with Mr Garner

Broadcast QR Code and weblink:



SCAN ME

Watch the broadcasts
each day at 2pm!

W: bit.ly/RLAAFEB21



Each afternoon at 2pm you will have a chance to hear from Mr Garner, the co-founder of RocketLearn. His aim is to get you thinking and challenging yourself with things you might not usually do.

Paperclips

Every day, Mr Garner will give you a paperclip challenge. What's this you might wonder? These are activities that make your brain spin! Why not ask your parents or work together with your friends? You might even want to ask Siri or Cortana!

Competition time!

We have an art and design competition for this Camp. We will be looking for a new paperclip design that improves on the original - and we will be rewarding the children who come up with the best designs with Amazon vouchers.

Send your entry or entries to info@rocketlearn.co.uk if you would like to be in with a chance of winning the prize.

Magic

There will be real magic throughout the Afternoon Antics, but as a special treat, on Wednesday afternoon there will be a live magic show with Thomas Dixon, a professional magician and member of the magic circle.



Mathematics - Day 1. Building 3-D shapes

Target: To make nets for 3-D shapes

Key information to help you answer today's questions:

Broadcast QR Code and weblink:



SCAN ME

Watch the broadcast to help you with this work - and play the daily Kahoot challenge!

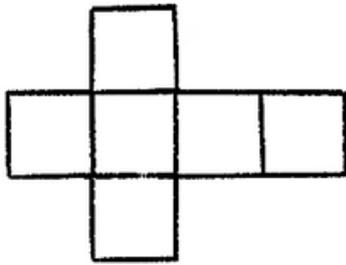
W: bit.ly/RLGOLDFEB21

Broadcast starts at 10:30am on 15th Feb

You can also download the squared & triangle paper here.

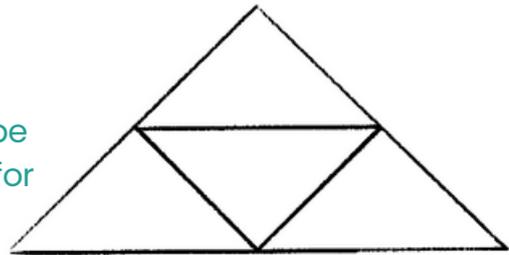
A net is a 2-D representation of a 3-D shape. The faces are arranged so they can be folded to build the shape.

The easiest nets to build are 3-D shapes with regular faces.



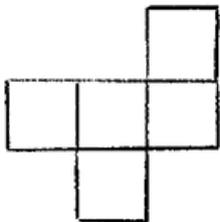
A net for a cube is easily constructed using square paper.

Triangle paper can be used to make a net for a tetrahedron.

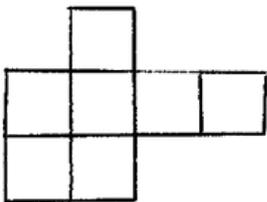


Constructing nets for 3D shapes which do not have regular faces is much more difficult. You have to be very precise with your drawing so that the shape folds neatly. Unfolding cereal boxes and other types of packaging is a great way of understanding of 3-D nets.

Getting started... Print out the squared paper. All lengths are in cm.

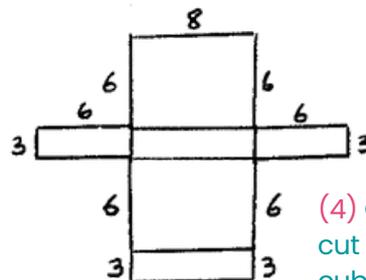


(1) Copy this net onto squared paper. Cut it out and fold to make an open cube.

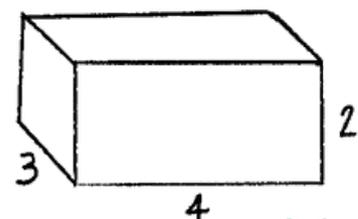


(2) Copy this net. Cut it out. Cut off one square and fold it to make a net for a closed cube.

(3) Make a net for a closed cube with edges 2cm long.



(4) Copy this net and cut it out. Make the cuboid.



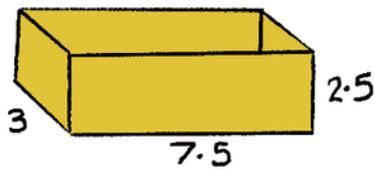
(5) Make a net for this cuboid.



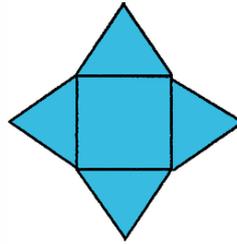
RocketLearn

Mathematics - Day 1. Building 3-D Shapes

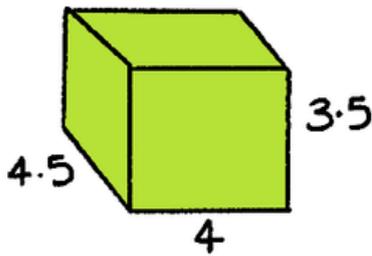
In the zone... All lengths are in cm



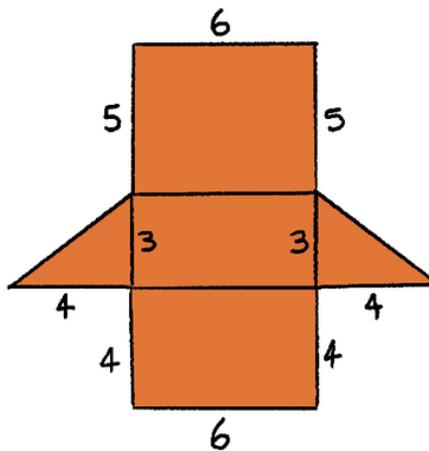
(6) Make a net for this open cuboid.



(8) Copy out this net on squared paper. Cut it out and make the pyramid.



(7) Make a net for this closed cuboid.



(9) Copy out this net on squared paper. Cut it out and make the triangular based prism.

Genius level..!

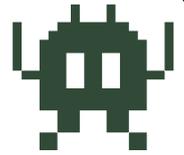
(10) There are 11 possible different nets for a closed cube. How many can you find?



Well done! You have completed all the maths for Day 1! Make sure that you:

- Mark your work. A kind grown-up may do this for you! The answers are in the grown-up's booklet...
- Complete today's English activities.
- Take a look at the 'Afternoon Antics' - there's some great fun to be had here!

Mathematics - Day 2. Circles



Target: To illustrate and name parts of circles and know that the diameter is twice the radius

For today's work you will need a compass and a ruler

Broadcast QR Code and weblink:



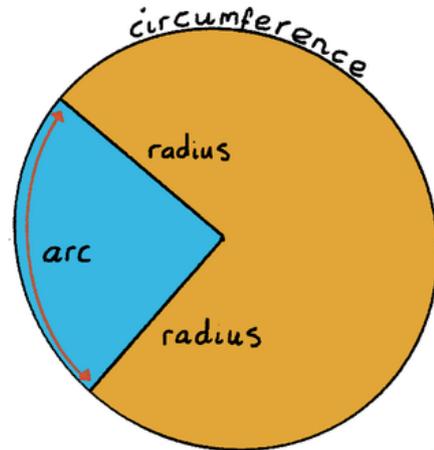
SCAN ME

Watch the broadcast to help you with this work - and play the daily Kahoot challenge!

[W: bit.ly/RLGOLDFEB21](https://bit.ly/RLGOLDFEB21)

Broadcast starts at 10:30am on 16th Feb

You can also download the squared paper [here](#).

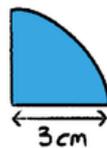


Getting started... The radius is the distance from the centre of the circle to the perimeter (circumference)

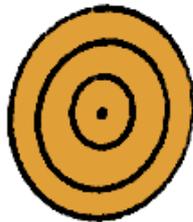
(1) Draw a circle with a radius of 3.5cm. Draw and label a radius.

(2) Draw a semicircle with a length of 5cm.

(3) Draw a quarter circle (quadrant) with a length of 3cm.



(4) Draw three concentric circles with radiuses of 1.5cm, 2cm and 2.5cm.



Mathematics – Day 2. Circles



In the zone (and genius level)..! Print out some squared paper.

- (5) Draw circles with a radius of (a) 2.5cm (b) 3.3cm (c) 1.6cm (d) 2.2cm.
- (6) Draw and label a radius for each circle.
- (7) Draw and a label a diameter for each circle.
- (8) Write the length of each diameter.
- (9) Explore what patterns you can make using overlapping circles. Try colouring them in to see how amazing they look! Do send photos of them in to us at RocketLearn!

Well done! You have completed all the maths for Day 2! Make sure that you:

- Mark your work. A kind grown-up may do this for you! The answers are in the grown-up's booklet...
- Complete today's English activities.
- Take a look at the 'Afternoon Antics' – there's some great fun to be had here!



Mathematics - Day 3. Co-ordinates

Target: To describe positions on a co-ordinate grid.



Key information to help you answer today's questions:

Broadcast QR Code and weblink:



SCAN ME

Watch the broadcast to help you with this work - and play the daily Kahoot challenge!

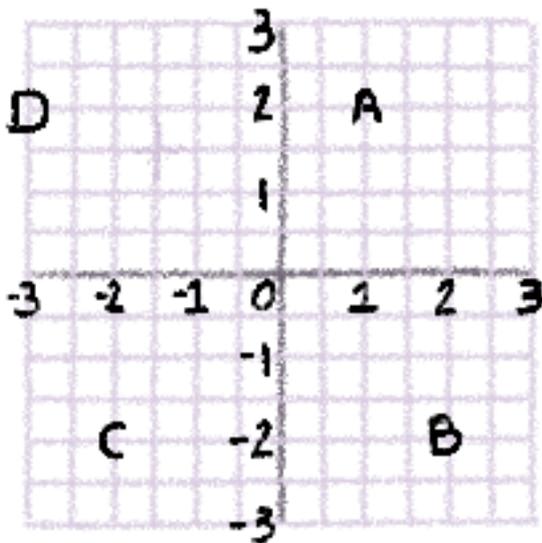
W: bit.ly/RLGOLDFEB21

Broadcast starts at 10:30am on 17th Feb

You can also download the squared paper here.

The position of a grid point is given by its x (horizontal) and y (vertical) co-ordinates.

The x co-ordinate is always given first



Examples:

- Point A is (1, 2)
- Point B is (2, -2)
- Point C is (-2, -2)
- Point D is (-3, 2)

Getting started... Use the grid below. Which letter is at:



1. (3,4) 2. (4,3) 3. (5,5)

4. (2,1) 5. (0,5) 6. (2,2)

Give the position of:

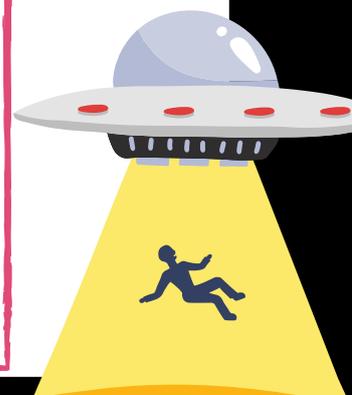
7. G 8. X 9. A

10. S 11. I 12. U

Use the grid references to write:

13. Your name:

14. Your school:



Mathematics - Day 3. Co-ordinates



In the zone... Spell the names of capital cities using co-ordinates:

Example: Belfast - (4,3) (6,-3) (5,-2) (-6,1) (3,-4) (5,1) (1,-5)

15. London:

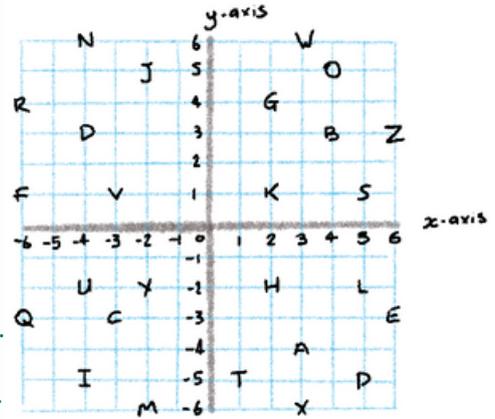
16. Cardiff:

17. Glasgow:

18. Paris:

19. Berlin:

20. Oslo:

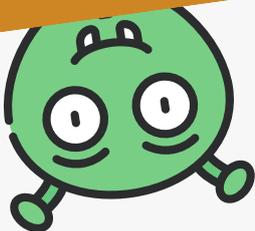


Genius Level... Print out some squared paper and create your own grid, adding all the letters of the alphabet. Can you create some questions for friends and family to solve? Good luck!



Well done! You have completed all the maths for Day 3! Make sure that you:

- Mark your work. A kind grown-up may do this for you! The answers are in the grown-up's booklet...
- Complete today's English activities.
- Take a look at the 'Afternoon Antics' - there's some great fun to be had here!



Mathematics - Day 4. Translations

Target: To draw and translate shapes on the first quadrant of a co-ordinate grid

Key information to help you answer today's questions:

Broadcast QR Code and weblink:

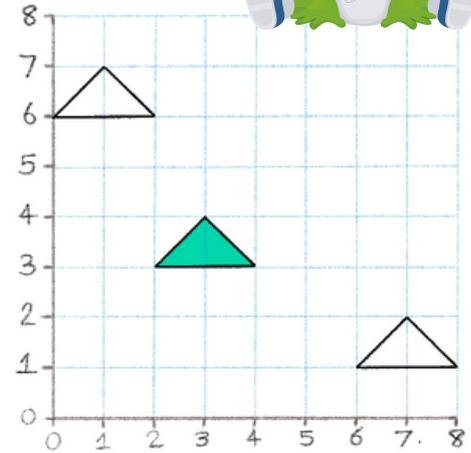


Watch the broadcast to help you with this work - and play the daily Kahoot challenge!

[W: bit.ly/RLGOLDFEB21](https://bit.ly/RLGOLDFEB21)

Broadcast starts at 10:30am on 18th Feb

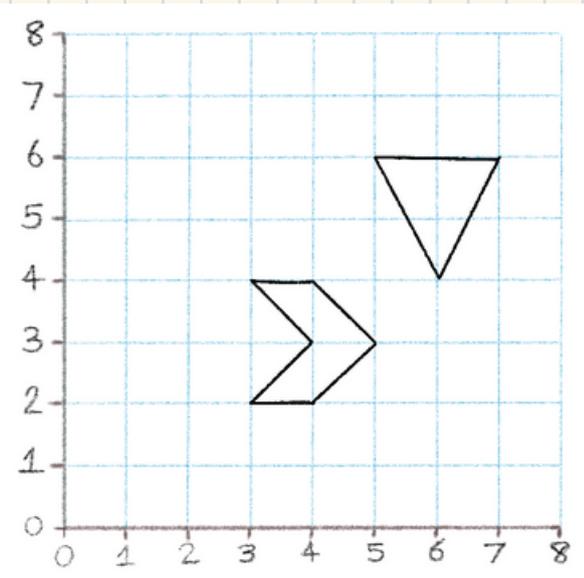
You can also download the squared paper [here](#).



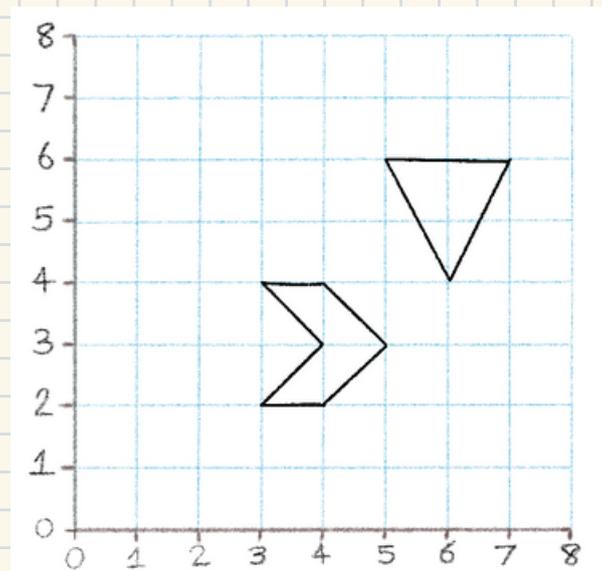
To translate a shape means to move it into a new position. The shape is NOT rotated or turned. **For example,** to translate the green triangle:

- a) Up 3, Left 2 (U3, L2)
- b) Right 4, Down 2 (R4, D2)

Getting started...



1. On the grid opposite, translate the triangle three times.
 - (a) U2 (up 2)
 - (b) L5 (left 5)
 - (c) D3 (down 3)



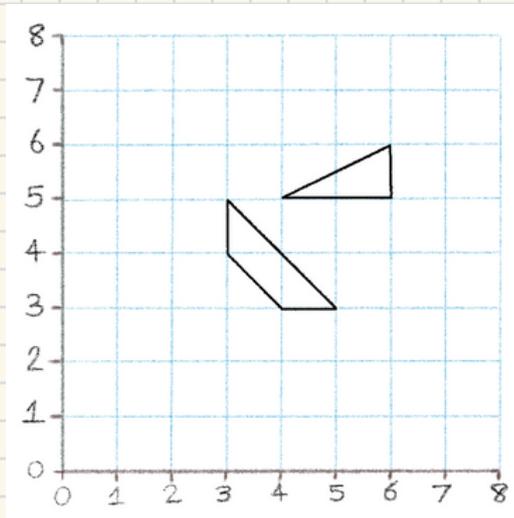
2. On the grid opposite, translate the hexagon three times.
 - (a) R3 (right 3)
 - (b) U4 (up 4)
 - (c) L2 (left 2)



Mathematics - Day 4. Translations



In the zone...



3. Give the new position of the triangle after a translation of:

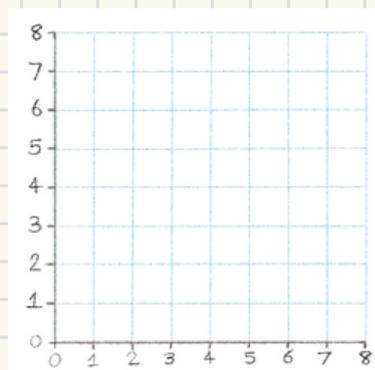
(a) L3 D4

(b) R2 D2

Give the new position of the trapezium after a translation of:

(c) L2 D3

Genius level...



4. Plot these points and join the up in the given order:

(2, 2) (3, 4) (5, 5) (4, 3)



Well done! You have completed all the maths for Day 4! Make sure that you:

- Mark your work. A kind grown-up may do this for you! The answers are in the grown-up's booklet.
- Complete today's English activities.
- Take a look at the 'Afternoon Antics' - there's some great fun to be had here!



Mathematics - Day 5. Round up and online quiz

Broadcast QR Code and weblink:



Watch the broadcast to help you with this work - and complete the end of week challenge.

SCAN ME

[W: bit.ly/RLGOLDFEB21](https://bit.ly/RLGOLDFEB21)

Broadcast starts at 10:30am on 19th February



We'll be recapping everything that you have learned this week. Once the lesson broadcast is complete, use the link or QR code above to access and complete the end of week quiz!

... score 10-14 and we will email you a bronze certificate

... score 15-17 and it'll be silver

... and 18-20 and you'll receive a gold one!



Diary writing and mindfulness - Day 1. Start of the day.

Target: To feel strong and focused as you get ready for the day

Broadcast QR Code and weblink:



Watch the broadcast to help you with this work:

W: bit.ly/RLEGLISHFEB21

Broadcast starts at 11am on the 15th February

The internet research links are also here.

Diary Entry 1 ... Monday 15th February

What is mindfulness ? (Use the QR code to find the research links)



How did you feel before the start of today's session and how do you feel now?

Which of the 8 scientific facts are most relevant to you? Choose 2 and explain your choices.

Diary writing and mindfulness - Day 2. Focus.

Target: To understand how to wake up your brain and build concentration



RocketLearn

Broadcast QR Code and weblink:



Watch the broadcast to help you with this work:

W: bit.ly/RLEGLISHFEB21

Broadcast starts at 11am on the 16th February

The internet research links are also here.



Diary Entry 2 ... Tuesday 16th February

What can you tell us about the brain? How do we make it stronger? How do we look after it? Can you REALLY get smarter by giving your brain a 'work out'?





Diary writing and mindfulness - Day 3. Finding calm

Target: To learn how to manage strong emotions

Broadcast QR Code and weblink:



Watch the broadcast to help you with this work:

W: bit.ly/RLENGISHFEB21

Broadcast starts at 11am on the 17th February

The internet research links and meditation examples are also here.

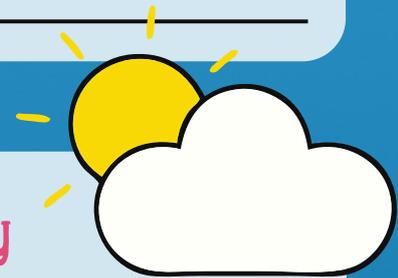


My Meditation

Write your own short meditation based on staying calm. Read the meditation examples. Look at the key features to help you (numbers, calming adjectives and adverbs, imperative verbs etc.)

My diary entry ... Wednesday 17th February

After reading aloud your meditation (with meditation music), how did it make you feel? Record your thoughts in today's diary entry.



Diary writing and mindfulness – Day 5. Kahoot! reflections

Broadcast QR Code and weblink:



Watch the broadcast to help you with this work:

W: bit.ly/RLEGLISHFEB21

Broadcast starts at 11am on the 19th February

The Kahoot! links are also here

After watching today's broadcast, you just need to complete today's fun mindfulness Kahoot quiz! We hope that you have enjoyed the mindfulness activities this week and don't forget that we'd love to see and hear your meditations!

Had lots of fun on the RocketLearn **half-term** Camp?

Well you can join RocketLearn during term time too! RocketLearn uses the latest education technology to boost your learning and make it fun and exciting. The technology also gives you instant support and help. Our academic coaches provide you with monthly feedback and reports to let you know where you're doing great, and where you need to focus your efforts to fill gaps in your knowledge.

Plus, there are weekly broadcasts, monthly competitions as well as prizes and certificates for great work! If you need extra help with learning, we also have academic coaches (who are all qualified teachers in the UK) who can directly support you with your learning in 1:1 online sessions.

If you or your parents / guardian would like to find out more, just visit:

www.rocketlearn.co.uk



Sign up to RocketLearn

RocketLearn combines the very best of adaptive learning technology and support from UK trained teachers to give children an unrivalled boost to their learning.

Lite	Launch	BOOST
<p>The ideal package for children who already have a tutor or know exactly what they need to do to progress. Very popular for those working towards 11 plus exams.</p> 	<p>Our most popular product, combining the best of the online learning platforms together with weekly accountability and feedback from a qualified teacher.</p> 	<p>For those parents who think their child would benefit from that extra intervention. Boost includes a weekly 30 minute one-to-one session with a qualified teacher. Using our online learning platforms, our academic coaches are able to assess learning gaps and tailor each session to boost your child's learning.</p> 
<p>Access to leading online learning platforms. Worth £80/month</p>	<p>Weekly personal video feedback from your academic coach</p>	<p>1-to-1 weekly 30 minute session with a qualified academic coach</p>
<p>Monthly monitoring and work setting from your academic coach</p>	<p>Weekly progress review and target setting from your academic coach</p>	<p>Weekly progress review and target setting from your academic coach</p>
<p>Monthly report from your personal academic coach</p>	<p>Access to leading online learning platforms. Worth £80/month</p>	<p>Access to leading online learning platforms. Worth £80/month</p>
<p>Complimentary live classes and webinars</p>	<p>Monthly report from your personal academic coach</p>	<p>Monthly report from your personal academic coach</p>
<p>Free access to our online holiday learning camps</p>	<p>Complimentary live classes and webinars</p>	<p>Complimentary live classes and webinars</p>
<p>Competitions, newsletters and much more!</p>	<p>Free access to our online holiday learning camps</p>	<p>Free access to our holiday online learning camps</p>
<p>Weekly broadcast to motivate and inspire</p>	<p>Competitions, newsletters and much more!</p>	<p>Competitions, newsletters and much more!</p>
<p>£40 per month</p>	<p>Weekly broadcast to motivate and inspire</p>	<p>Weekly broadcast to motivate and inspire</p>
	<p>£64 £40 per month *Limited Time Offer!</p>	<p>£128 per month</p>

Visit www.rocketlearn.co.uk for more information



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