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<p style="text-align: center;"><u>Maths</u> Shape</p>  <p><u>Skills</u></p> <ul style="list-style-type: none"> • I can identify horizontal, vertical, and pairs of parallel and perpendicular lines • I can use what I know about polygons to group them into regular and irregular polygon • I can recognise equilateral, isosceles and scalene triangles • I can recognise different quadrilaterals e.g. parallelogram, rhombus and trapezium <p>Choose one or more shape topics to learn about this week:</p> <p>-Types of lines -Regular and irregular polygons -Triangles -Quadrilaterals</p> <p>See below for the activities for each topic.</p> <p><u>Extension</u> The White Rose Maths website have some great videos and activities available for a range of maths topics. These use the methods we teach at school. You could start at Week 1 as you can access previous weeks/days at anytime. https://whiterosemaths.com/homelearning/</p>	<p style="text-align: center;"><u>Science</u> Forces</p>  <p><u>Skills</u></p> <ul style="list-style-type: none"> • I recognise that some forces need contact between 2 objects, but magnetic forces can act at a distance. • I can describe some of the factors which increase/reduce how fast or slow things move. <p>1. Access the 'Forces PowerPoint' in the LKS2 Learning pack area. Watch the clips and discuss the questions.</p> <p>2. You have been set a challenge by Monza race track. They are building a new mini track for toy cars and want to know which surface would be best so that the cars travel as fast as possible. Plan and carry out an investigation to find the best material for the cars to travel quickly. -What force are you investigating? -Gather materials from your home/garden. Which do you predict would be the best material? -Set up your investigation using your fair test skills from the last grid. If you're finding it tricky to set up your investigation, access the 'Investigation templates' in the LKS2 Learning pack area. This gives an idea of one way you could carry out the investigation and has three different templates to help you record your investigation.</p>	<p style="text-align: center;"><u>History</u> Formula 1</p>  <p><u>Skills</u></p> <ul style="list-style-type: none"> • I suggest sources of evidence to help me answer questions. • I present my findings about the past using my speaking, writing, maths, ICT, drama and drawing skills. <p>Choose which of these topics interests you the most (or another related topic): -Formula 1 -Monza -An Italian Formula 1 car e.g. Ferrari -A Italian Formula 1 racing driver e.g. Alberto Ascari (a legendary Italian/Ferrari racing driver and double world champion who died at Monza).</p> <p>-Decide the best way to research the history of your topic. How are you going to know that your information is reliable? Discuss with an adult how you plan to find out about your topic. -Present your understanding. What have you found out? What was interesting? Can you include a timeline? You can show what you have learned in any way you would like!</p>	<p style="text-align: center;"><u>Geography</u> Car imports and exports</p>  <p><u>Skill</u></p> <ul style="list-style-type: none"> • I can describe some aspects of human geography: economic activity including trade links. <p>1. Access the 'Imports and exports PowerPoint' in the LKS2 Learning pack area. Follow the activities and discuss the questions.</p> <p>2. Choose one or more of the following to find out about (or another related topic) and present what you find out in a way of your choice:</p> <p>-What do Italy import? -What do Italy export? -What countries do Italy trade with the most? -Which countries export the most cars? Which country exports the most Formula 1 cars? -Which countries import the most cars? Which country imports the most Formula 1 cars?</p>

<p style="text-align: center;">Computing Podcasts</p>  <p><u>Skill</u></p> <ul style="list-style-type: none"> • I can plan and create audio for a podcast. <ol style="list-style-type: none"> 1. What is a podcast? With an adult, find and listen to a podcast of your choice. You can listen to podcasts online, on Spotify or on iTunes. See below for some ideas of podcasts you could listen to. 2. Plan a podcast of your own. First, choose a topic for your podcast. You could choose any topic that you are interested in. You could choose to interview someone. You could use your podcast to present something you have learned on the grid e.g. a poetry or Formula 1 podcast. 3. Access the 'Podcasts PowerPoint' in the LKS2 Learning pack area. Use this to help you plan, write and rehearse your podcast. 4. Record your podcast. You could use voice memos on iPhones/iPads or similar voice recording apps on other tablets or phones. 5. Share your podcast! Upload your podcast to the Podcasts folder in the Office 365 group and listen to the podcasts other children upload. https://outlook.office.com/mail/group/grendonprimary.org.uk/pineclass2020/files/sites/pineclass2020/Shared%20Documents/Podcasts 	<p style="text-align: center;">Design Technology & Art Designing</p>  <p><u>Skill</u></p> <ul style="list-style-type: none"> • I base my designs on a range of design criteria. <p>Choose to design one of the following (or all of these if you would like!):</p> <ul style="list-style-type: none"> - a podcast logo - a Formula 1 team - a race track <p>See below for details for each challenge.</p>	<p style="text-align: center;">PE Formula 1 Fitness</p>  <p><u>Skills</u></p> <ul style="list-style-type: none"> • I work on improving strength and flexibility by practicing stretches and shapes. • I give reasons why physical activity is good for my health. <p>Formula 1 drivers have to be super fit.</p> <ol style="list-style-type: none"> 1. Can you find out why they have to stay fit and how they train? 2. Can you create a fitness training programme for a week to keep a Formula 1 driver fit? Challenge your family to do the challenge altogether for a week. Can you email your challenge to the Office 365 group for other families to try? <p>Remember you can also continue to the Northants Sport website or social media for this week's Virtual School Games challenges</p>	<p style="text-align: center;">Outdoor Learning Renewable energy</p>  <p><u>Skills</u></p> <ul style="list-style-type: none"> • I enjoy solving problems or challenges outdoors. • I understand the importance of conservation and sustainable development. <ol style="list-style-type: none"> 1. Formula 1 cars need lots of fuel to have enough energy race. Can you find out what sort of fuel they use? 2. Watch this animation about different types of energy and follow the tasks. https://www.bbc.co.uk/bitesize/topics/zp22pv4/articles/ztwqwtv 3. Access the 'Renewable energy PowerPoint' in the LKS2 Learning pack area. Follow the presentation and discuss the information with an adult. 4. Have a go at creating your own renewable energy model. You can think of any model you would like, or access the 'Creating a renewable energy model' document in the LKS2 Learning pack area for instructions to make a solar oven or investigate hydro power.
<p style="text-align: center;">Music Formula 1 music and sounds</p>  <p><u>Skill</u></p> <ul style="list-style-type: none"> • I listen to several layers of sound and talk about the effect on the mood and feelings. <p>Choice 1: Formula 1 music Watch and listen to the Formula 1 theme music.</p> <ul style="list-style-type: none"> - What instruments can you identify? - What emotions do you think are in this music? Can you describe them or choose an emoji to represent it? - What story is the music telling? Can you draw pictures to represent the story? https://www.youtube.com/watch?v=8AYy-BcIRXg <p><u>Skill</u></p> <ul style="list-style-type: none"> • I recognise that sounds get fainter as the distance from the sound source increases. <p>Choice 2: Formula 1 sounds</p> <ul style="list-style-type: none"> - With an adult, sit or stand at the side of a road and listen to the sounds of the cars that go past. Does the car sound the same, or does the sound change? Watch part of an F1 race, what sounds do the cars make? - Can you create a sound and investigate what happens when you move closer to or further from the sound? 	<p style="text-align: center;">RE/PSHE Refugee week and world refugee day or Soccer Aid</p>  <p><u>Skill</u></p> <ul style="list-style-type: none"> • I gather information from lots of different places. <p><u>Refugee week and World Refugee day</u> This week is Refugee week (15th June – 21st June 2020), with World Refugee Day on 20th June 2020. Access the Refugee Week and World Refugee Day areas on these links to find out about this. There are lots of resources and activity ideas to choose from! https://www.twinkl.co.uk/event/refugee-week-2020 https://www.twinkl.co.uk/event/world-refugee-day-2020</p> <p><u>Soccer Aid</u> Although it has been rescheduled, Soccer Aid was due to happen on 16th June 2020. Access the Soccer Aid area on this link to find out about Soccer Aid and Unicef. There are lots of resources and activity ideas to choose from! https://www.twinkl.co.uk/event/soccer-aid-2020</p>	<p style="text-align: center;">Something kind or new</p>  <p><u>Skills</u></p> <ul style="list-style-type: none"> • I understand that my behaviour and actions lead to consequences. • I am excited when I explore new situations and don't worry when my ideas don't go to plan. <p>Can you do something super kind for someone you know? What will the consequence of this action be? Can you do something you've never done before? A new skill? A new activity? Make something?</p> <p><u>Possible ideas</u></p> <ul style="list-style-type: none"> - Cosmic yoga – story themed yoga sessions. https://www.youtube.com/playlist?list=PL8snGkhBF7nhEc52y4C1S9yqiBQSLCmT4 - Be a fashion designer – find some clothes that you have grown out of and see if you can create a new item of clothing (check with an adult first!) 	<p style="text-align: center;">Other information and useful links</p> <p>Show and tell: Show and tell is every Friday 10:45 – 11:30. Meeting ID and password will continue to be in the Pine Class Group calendar each week.</p> <p>Maths inputs: The White Rose Maths website have some great videos and activities available for a range of maths topics. These use the methods we teach at school. You could start at Week 1 as you can access previous weeks/days at any time. https://whiterosemaths.com/homelearning/</p> <p>Free eBook library: The Oxford Owl has a library of free eBooks for ages 3-11. You can browse by age or book box colour. https://home.oxfordowl.co.uk/books/free-ebooks/</p> <p>Twinkl access: Use the code UKTWINKLHELPS or CVDTWINKLHELPS to access all of the Twinkl resources free for the duration of school closures.</p>

Reading - Poetry

Poetry activities:

- Find out about another type of poem e.g. haiku or limerick
- Read or watch some poems and work out what type of poem they are
- Find out about a famous poet e.g. Benjamin Zephaniah <https://www.twinkl.co.uk/resource/lks2-benjamin-zephaniah-differentiated-reading-comprehension-activity-t2-e-42016>
- Read one of these poems and answer the questions about what the poem means. You can choose the difficulty of the questions by looking at the stars.
 - The Tyger <https://www.twinkl.co.uk/resource/t2-e-2327-poem-by-william-blake-differentiated-reading-comprehension-activity>
 - My Shadow <https://www.twinkl.co.uk/resource/t2-e-2302-my-shadow-by-robert-louis-stevenson-poetry-differentiated-reading-comprehension-activity>

Spelling, punctuation and grammar - Homophones

Ideas if you’d like extra practice:

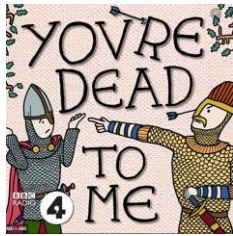
- Choose one of the challenges on this link (answers on the last page) <https://www.twinkl.co.uk/resource/t2-e-193-homophones-worksheets>
- Put as many of these words into sentences as you can. <https://www.twinkl.co.uk/resource/t2-e-1548-homophones-word-mat>
- Choose one of the commonly muddled groups of homophones to practise:
 - There/their/they’re <https://www.twinkl.co.uk/resource/t-e-596-there-their-and-theyre-homophones-powerpoint>
 - To/too/two <https://www.twinkl.co.uk/resource/t-e-593-to-too-and-two-homophones-powerpoint>
 - Our/are <https://www.twinkl.co.uk/resource/t2-e-2187-are-or-our-powerpoint>
 - Where/were/we’re/wear <https://www.twinkl.co.uk/resource/t2-e-4824-were-were-where-or-wear-powerpoint>

Maths - Shape

- Types of lines
1. Watch the animation and compete the task <https://www.bbc.co.uk/bitesize/topics/zb6tyrd/articles/zp327hv>
 2. Find out what vertical and horizontal lines look like.
 3. Create a way to help you remember horizontal, vertical, parallel and perpendicular lines.
 4. Access the ‘Types of lines PowerPoint’ in the LKS2 Learning pack area and follow the activities.
 5. Choose an activity to use what you have learned about lines:
 - Use the shapes you drew from the last grid and identify the types of lines.
 - Find the different line types around you home and garden and find a way to record what you find.
 - Complete the ‘Types of lines challenge’ in the LKS2 Learning pack area.
 - Use all the capital letters of the alphabet and identify the types of lines.
- Regular and irregular polygons
1. Remind yourself what a polygon is and what you learned about angles a couple of weeks ago.
 2. Access the ‘Regular and irregular polygons PowerPoint’ in the LKS2 Learning pack area and follow the activities.
 3. Choose an activity to use what you have learned about regular and irregular polygons:
 - Complete one of the ‘Regular and irregular polygons challenge’ in the LKS2 Learning pack area.
 - Use the shapes you drew from the last grid and identify if your polygons are regular or irregular.
 - Use outdoor resources (or any resources) to create regular and irregular polygons.
 - Draw some of your own regular and irregular polygons
 - Find shapes around your home and garden and decide if they are regular or irregular. You could use this poster to help you identify them. <https://www.twinkl.co.uk/resource/regular-and-irregular-polygons-poster-t2-m-4871>
- Triangles
1. Watch the animation and complete the task <https://www.bbc.co.uk/bitesize/topics/zvmxsbk/articles/zggsfrd>
 2. Access the PowerPoint about triangles on this link and follow the activities. <https://www.twinkl.co.uk/resource/t2-m-2234-types-of-triangle-powerpoint>
 3. Choose an activity to use what you have learned about triangles:
 - Use outdoor resources (or any resources) to create the different types of triangles. You could use sticks for the sides. Can you show which angles are equal e.g. use Lego of the same colour in matching angles? How many different ways can you make each type of triangle?
 - Draw some of your own triangles and label the properties. You could use this poster to help: <https://www.twinkl.co.uk/resource/t2-m-971-large-types-of-triangle-poster>
 - Have a go at this triangles challenge: <https://www.twinkl.co.uk/resource/t2-m-288-types-of-triangle-worksheet>
 - Play triangle splat https://www.sheppardsoftware.com/mathgames/geometry/shapeshoot/triangles_shoot.htm
- Quadrilaterals
1. Access the PowerPoint about quadrilaterals on this link and follow the activities. <https://www.twinkl.co.uk/resource/t2-m-4522-types-of-quadrilateral-powerpoint>
 2. Access the ‘Quadrilateral challenge’ in the LKS2 Learning pack area.
 3. Choose an activity to use what you have learned about triangles:
 - Find examples of quadrilaterals around your home/garden.
 - Use outdoor resources (or any resources) to create the different types of quadrilaterals. You could use sticks for the sides. Can you show which angles are equal e.g. use Lego of the same colour in matching angles?
 - Draw some of your own quadrilaterals and label the properties. You could use this poster to help: <https://www.twinkl.co.uk/resource/t2-m-1071-large-types-of-quadrilateral-poster>

Computing – Podcasts

Podcast ideas:



You're dead to me

The history podcast for people who don't like history... and those who do. Greg Jenner brings together the best names in comedy and history to learn and laugh about the past. (Similar to Horrible Histories.)

<https://www.bbc.co.uk/programmes/p07mdbhg/episodes/downloads>



But Why?

But Why is a show led by you, kids! You ask the questions and we find the answers. It's a big interesting world out there.

<https://www.npr.org/podcasts/474377890/but-why-a-podcast-for-curious-kids>



Goodnight Stories for Rebel Girls

An offshoot of the hugely successful bestselling book of the same name, this podcast is all about championing clever and tenacious women from across all sectors including the arts, civil rights and sport.

<https://www.rebelgirls.com/pages/podcast>



Peace out

Short stories that help children calm down and relax by guiding them through visualization and breathing exercises.

<https://bedtime.fm/peaceout>



The Story Pirates

These stories are written by kids and read by celebrities.

<https://www.storypirates.com/podcast>



Brains on

This is one for curious scientists, both children and adults. Hosted by reporters and young scientists, Brains On tackles big topics head on through conversation and discussion and a healthy dose of humour and silliness.

<https://www.brainson.org/>

Design Technology & Art - Designing

Podcast logo

-Look at the logo for the podcast you listened to for the computing activity. How well does the logo catch your attention? How well does the logo match the topic of the podcast topic?

-Design a logo for the podcast you create. Include the title of your podcast, make sure your logo is eye-catching and try to match your logo to the topic you choose.

-Challenge: Show your logo as part of your podcast.

Formula 1 team

-Design your own Formula 1 team. Design your own Formula 1 car, logo and helmet. You'll need to name your team and choose colours and designs.

Race track

Have a look at the plans of different race tracks e.g. Monza, Silverstone, Monaco. What features do they have? Design your own race circuit.

-Don't forget the pit stops, sharp corners, start and finish lines, run-off areas... Add any other bits you like. You could also build your track.

-You could get a map of Grendon/the area you live in and design a track that goes through/around the village. You could then have a go at running your route. How long does it take? How many laps can you do? Can you challenge someone else to run your route and beat your time?