**Grange Primary School**

**LEARNING LADDER 3**

**Maths -   Online Learning**

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| **What i am Learning** | **Game Link** | **Guidance** |
| **(A) I can say what the name of coins are and understand their value**  | (1) [Piggy Bank](https://www.topmarks.co.uk/money/coins-game) (2) [MoneY SONG £](https://www.youtube.com/watch?v=dFzAU3u06Ps)(3) [Know your notes!](https://www.youtube.com/watch?v=5DDI_RlZB0c) (4) [MoneY SONG £](https://www.youtube.com/watch?v=dFzAU3u06Ps) | 1. Choose sorting > two coins> drag all of the coin to the piggy bank showing its value> check> next round
2. Play > Listen and Learn > sing along!
3. Watch-a-long, Learn-a-long video about Notes!
4. Play > Listen and Learn > sing along!
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| **(B) i can add and subtract within £5** | 1. [Cashing In!](https://www.doorwayonline.org.uk/activities/cashing-in/cashing-in.html)
2. [Coin Calculator](https://www.ictgames.com/mobilePage/coinCalculator/index.html)
3. [Beat the timer!](http://www.snappymaths.com/other/measuring/money/interactive/moneyto10pimm/moneyto10pimm.htm)
4. [PAY FOR IT!!](https://www.ictgames.com/mobilePage/payForIt/index.html)
5. [Toy Shop!](https://www.topmarks.co.uk/money/toy-shop-money)
 | 1. Enter > Up to £2 > Start > Click the coins to total the amount you need to pay the cashier>check>next
2. Drag coins to screen > add in your head >click £ sign to see if you are right > click clear to have another go
3. Add the coins (up to 10p) > type answer in box > press return > next questions
4. Selecet Pay for it > Choose level 4, 5, or 6 > click on scanner to reveal price>drag coins to till >click check > repeat for next item
5. Select > Mixed coins > Exact Money > £1 to £5 > click the coins to make the EXACT amount to pay for the toy
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| **(C) I can order time (days of week months of year, hours of day (am/pm)** | 1. [Spinning Clock](https://mathsframe.co.uk/en/resources/resource/116/telling-the-time)
2. [Time Conversion -](https://www.sheppardsoftware.com/mathgames/time/TimeConversions.htm)
3. [HICKORY DICKORY DOCK!](https://www.ictgames.com/mobilePage/hickoryDickory/)
 | 1. Multple choice Time Game: Click play > 2. Read time to the hour and half hour > 12 hour clock Untimed Game > Enter your name on the scoreboard!
2. Matching Game: Select Relaxed Mode > match up the time period cards to LEVEL up!
3. Choose Level 1 > Select the clock displaying the correct time > get it right and the mouse gets the cheese!
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| **(D) I can use simple directions and grid references to plan a route** | 1. [Route Planner](https://www.funenglishgames.com/readinggames/directions.html)
2. [The Treasure Map](https://learnenglishkids.britishcouncil.org/short-stories/the-treasure-map)
3. [DIRECTION MATCH](https://learnenglishkids.britishcouncil.org/word-games/directions)
4. [Guide the Emoji](https://www.mathsisfun.com/games/direction-nsew-.html)
5. [Coordinate it!](http://www.teacherled.com/2015/05/05/show-the-coordinate/)
 | 1. Click on a challenge > Read instructions > Click on sections of roads to plan your route!
2. Play (>) and watch cartoon > what types of direction instructions can you hear? Direction, distance, angle?
3. Read and listen (click on speaker icon0 to hear direction > click on picture it matches to win the game
4. Seleft 2 moves from the drop down menu > Emoji is start point > Use the direection and number of sqaures to click on the destination square
5. Click the grid to load game > click arrow > select L shape > click the circle arrow to reveal the coordinate > click this point on the grid (Remember (1) Along the corridor (2) THEN up the stairs
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| **(E) i can identify 3D Shapes according to their features and can group shapes using features, size and Area.** | 1. [PIenado - 2D Shape Adventure!](https://pbskids.org/oddsquad/games/pienado/)
2. [Area Builder](https://phet.colorado.edu/sims/html/area-builder/latest/area-builder_en.html)
3. [SHIFTING Shapes](https://www.ictgames.com/mobilePage/shiftingShapes/index.html)
 | 1. Press play > click red > Listen instructions > drag the shapes to save the day!
2. Select Game> Build a shape of the size requested by dragging the squares to the white building zone > check > next
3. Keep in 2D mode> Drag the torch over the shape to figure out whst shpae it is > click eye to check your answer > click next to move on
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| **(F) I can make and continue patterns and sequences** | 1. [Number Patterns](https://www.abcya.com/games/number_patterns)
2. [PATTERN PUZZLES](https://www.coolmath4kids.com/manipulatives/pattern-blocks)
3. [Terrific Tangrams](https://mathigon.org/tangram)
4. [TRAIN PATTERNS](https://www.topmarks.co.uk/ordering-and-sequencing/shape-patterns)
 | 1. Play (>) > Select Practice > drag the correct missing number to its place in the number pattern
2. Have a play > Click Pattern Puzzle > click one > select the shapes you need to fill the pattern > be creative with colours etc!
3. Click ona shape from the bottom of screen > use the coloured shapes to fill it > drag to move > rotate by clicking and dragging balck spot attached to shaped
4. Select LEvel 2 or 3 > wait for the train > select the correct shapes to continue the pattern
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| **(G) I can create and interpret data on simple graphs** | (1) [Fruit Fall- BAR GRAPH](http://toytheater.com/fruit-fall/)(2) [BAR CHARTS](https://mathsframe.co.uk/en/resources/resource/51/bar_charts)(3)[Venn Diagras - CARTOON](https://www.bbc.co.uk/bitesize/clips/zyktfg8)(4) [Venn diagram](http://www.shodor.org/interactivate/activities/ShapeSorter/) | (1) Start > Catch as many falling fruits as you can > look at thm displayed in the bar graph > answer the questions about the bar graph you have made(2) Scroll down click on play game > select Level 1 > read question >select answer > click next(3) WATCH and LEARN about Venn diagrams(4) Choose 2 circles > select a shape rule for each > drag the correct shapes to the correct circles in your VENN DIAGRAM |
| **(H) i can use different types of measure (weight, volume and length)** | 1. [ZOO DESIGNER](https://mrnussbaum.com/zoo-designer-online-game)
2. [Mostly Postie](https://www.ictgames.com/mobilePage/mostlyPostie/index.html)
3. [Measure it!](https://www.funbrain.com/games/measure-it)
4. [CAPACITY COUNTDOWN (l and ml)](https://www.ictgames.com/mobilePage/capacity/index.html)
5. [Measuring tools - SoNg](https://www.youtube.com/watch?v=ypVQDZL18SQ)
 | 1. Use your knowledge of AREA to create a zoo by clicking and dragging the highlighted squares
2. Measuring in kgs and ½ kgs > Select kgs and ½ kgs> drag parcel onto scale > enter weight > click check and get delivering!
3. Measuring in cm and mm > Select Centimetres EASY (cm > choose your answer from multiple choice
4. Select litres and half litres > click the arrow > how much fuel is in the rocket?> click numbers to enter your answer > click check > does the rockaet blast off?
5. Relax Listen Learn sing-a-long!
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