

Year 4–5 Autumn/Winter Home Activity Learning Grid

1. Autumn/Winter Word Wizard

Collect 12 autumn/winter words (e.g. hibernate, icicle, frostbitten). For each: write the definition, use it in a sentence, and sort into word families (prefixes/suffixes). Then write a mini glossary with decorated borders.

2. Times Table Treasure Hunt

Ask an adult to hide 12 times table questions (x6–x12) around the house/garden. Each correct answer gives you a clue (they can write riddles). Solve them all to reach a “treasure” (e.g. a hot chocolate treat!).

3. History Investigator

Interview an adult about what winter was like when they were a child (school, food, games, clothing). Compare their experiences to your own in a short report. Add a drawing or timeline of changes.

4. Winter Poetry Anthology

Write three different types of poem about winter (acrostic, haiku, free verse). Illustrate each one. Bind them together into your own “Winter Poetry Anthology.”

5. Nature Art Symmetry

Collect natural objects (leaves, twigs, conkers). Create a symmetrical piece of artwork by arranging or sketching them. Then challenge yourself to turn it into a repeating pattern for wrapping paper or cards.

6. Geography Map Explorer

Draw a detailed map of your local area showing key seasonal features (trees losing leaves, where frost gathers, shortest path with least muddy puddles!). Add a key, compass rose, and scale. Write 5 quiz questions about your map for someone else to solve.

8. Conker Calculations

Collect conkers or pinecones. Use them as counters to solve 20 number problems (e.g. multi-step multiplication, fractions,

9. Winter Invention (DT)

Design and build a model of a new winter gadget (e.g. snow clearer, mitten warmer, hot drink carrier). Use cardboard, junk materials, or

7. Wellbeing Nature Journal

Keep a 5-day journal of your mood and energy. Each day, note 3 things you spot outside (birds, frost, sunsets) and how they

7. Wellbeing Nature Journal

make you feel. At the end, write a paragraph about which weather makes you happiest and why.

10. Story Starter Adventure

Write a story beginning with: *"The first snowflake drifted past my window, but something felt different this winter..."* Aim for at least 2 pages with paragraphs, speech, and exciting vocabulary.

13. Acts of Kindness Journal

Keep a kindness diary for a week. Each day, do one thoughtful action (helping, sharing, cheering someone up). Write what you did

8. Conker Calculations

remainders). Then design your own "Conker Maths Game" with rules written down.

11. Winter Science – Investigate Insulation

Test which material makes the best insulator. Wrap 3 ice cubes (in foil, paper, cloth) and check every 10 mins which melts fastest. Record results in a table, then write a conclusion.

14. Winter Shape & Angle Hunt

Go on a winter shape hunt. Record at least 10 shapes you find indoors/outdoors. For each: measure angles (right/acute/obtuse), sketch it, and label dimensions if possible.

9. Winter Invention (DT)

LEGO. Label the parts and write a persuasive advert explaining why people should buy it.

12. Famous Explorer Study

Research a polar explorer (Ernest Shackleton, Scott, Amundsen). Create a fact file with a portrait, map of their journey, and a diary entry written "in character" as if you were on the expedition.

15. Seasonal Cooking Project

With an adult, cook or bake a seasonal dish (e.g. soup, crumble, biscuits). Write the recipe in steps, draw an illustration, and write a

13. Acts of Kindness Journal

and how it affected others. At the end, write a reflection.

16. Shadow and Light Study

Track one object's shadow over a winter's day (or use a torch indoors). Sketch its position every hour. Write an explanation of why the shadow changes.

14. Winter Shape & Angle Hunt

17. Spelling Master Relay

Pick 12 tricky words. Write each on paper and spread them around the room. An adult calls out a definition—you run to the correct word, spell it aloud, then write it 3 times.

15. Seasonal Cooking Project

short review of how it tasted and how you might improve it.

18. Science of Sound Experiment

Fill 3 glass jars with different amounts of water. Tap each and record the sound. Try to play a tune. Then explain why the pitch changes. Add a diagram showing sound waves.