Nova’s Material Discovery Log

Learning objective: To identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock, and describe their simple physical properties.

Nova the Owl needs your help to finish her research! Choose an object from around your classroom or home. Look closely at it, feel what it is like, and fill in the boxes below to record your findings. Remember to use your best handwriting.

Word bank: wood · plastic · glass · metal · rock · hard · soft · stretchy · shiny · dull · rough · smooth · waterproof

1. My Object: What is the name of the object you have chosen and what material is it made from? (2 marks)

2. Describing Words: Write two words to describe what your material feels like (e.g., is it smooth or rough?). (2 marks)

3. Testing Properties: Is your material hard or soft? How do you know? (2 marks)

4. Water Test: If you spilled a drop of water on your object, would it soak in or stay on top? Why do you think that is? (2 marks)

5. Why this material?: Why is it a good idea to make this object out of this material? (For example, why is a window made of glass?) (3 marks)

Extension challenge: Find one object at home that is made of two different materials (like a metal spoon with a plastic handle). Draw it and label the two materials.