

Learning Objective: To understand the PROCESS of Archaeology and appreciate how careful an Archaeologist has to be when excavating a dig site.

Cookie Excavation

**NOT SUITABLE FOR CHILDREN WITH NUTS ALLERGIES
FIND A SUBSTITUTE TYPE OF COOKIE**

In this practical activity, the cookie represents an *archaeological site*, and the chocolate chips are the *artefacts*.

Step 1: *Map your cookie and chocolate chips just like an archaeologist maps a site and artefacts.*

Step 2: *Use a toothpick to excavate the chocolate chips from your cookie without damaging them. Try not to pick up your cookie while you are excavating!*



Instructions:

1. Place your cookie in the middle of Grid A and draw around it.
2. Note the coordinates of the top, bottom, left side and right side of the cookie. Use these coordinates to position your cookie on Grid B, so that you can draw around it (a pencil line perimeter). Keep your cookie on Grid B - take care to position it correctly.
3. Before excavating, note the coordinates of any chocolate chips you can see. Use them to sketch the chips onto Grid A.
4. Now the FUN part! Use a toothpick to excavate all the chocolate chips from your cookie. As you find 'new' chocolate chips, note their coordinates and sketch them onto Grid A.
5. Keep a tally chart of all the whole chocolate chips and any broken chocolate chips you find.

Cookie Excavation Evaluation

1. How difficult did you think it was to *excavate* the chocolate chips?

EASY			OK				HARD			

2. Explain why you gave this response:

3. How many *whole chips* did you find? _____

4. How many *broken chips* did you find? _____

5. Describe the process you went through in order to *excavate* the chocolate chips from the cookie:

If you dug more whole chips than broken ones you can show to your friends the *Indiana Jones Award*, which certifies you are a proper real archaeologist!