# Lesson 38 – Project – micro:PET Coding, Testing and Preparing

|  |  |
| --- | --- |
| The Big Picture – Why Is This Relevant? | Learning Objectives |
| * Any product that is sold or made goes through a rigorous testing process. This is to ensure that it is safe and performs as it is supposed to. This is often referred to as being fit for purpose. Therefore, testing that micro:PET is working as planned is important | * None set – Learners will manage their time while completing the project and preparing for the presentation next lesson. |
| Engagement – How Can I Engage Learners? | Assessment for Learning |
| * Teacher to remind Learners that next lesson they will be presenting their micro:PET solutions | **Expected Progress:**   * Learners conduct a few tests of the micro:PET   **Good Progress:**   * Learners complete testing of the micro:PET * Learners find solutions and resolve issues   **Exceptional Progress:**   * Learners collect user feedback and make improvements and adjustment to the micro:PET |
| Key Concepts | Key Words |
| * Completing the micro:PET * Preparing the micro:PET for presentation |  |
| Differentiation | Resources |
| * Teacher could refer Learners to other groups that have solved a similar issue * Teacher to circulate and support groups as required to prepare them for next lesson | * Test table * User feedback table * Resources from previous lessons |
| Lesson Flow | |
| * Starter – user feedback activity * Allow Learners 5 to 10 minutes to discuss and update where they are in terms of the project solution * Teacher to inform Learners that they will be presenting their projects next lessons * Ask Learners to refer back to their test tables from last lesson and remind themselves of the issues and problems that need resolving this lesson * Learners complete their test table and resolve issues and code / hardware errors * Learners may also choose to make improvements to the micro:PET and remove areas that are not working correctly * Learners could ask other Learners or the teacher for feedback on their micro:PET and make final improvements * Teacher to circulate around Learners and offer support and solutions where required. Learners can also be referred to other groups that have solved a similar issue | |
| Making | |
| * Assemble, test and modify physical micro:PET | |