



Staff Name:

Zone: The polytunnel and garden

Ability range: P7 - NC3

Target Group: SEN

Date:

Lesson Reference:

Week 6

'Soil Type Testing'

Learning Objectives:

- Students will demonstrate practical skills by carrying out soil tests.

Learning Outcomes:

- To recall the range of soil types and their characteristics.

Challenge: Systematic record of results.

Differentiation: The teaching assistant to support the students to complete the activity sheets and provide supervision during the practical activities.

AFL: Reference to scheme of work.

Development of Skills/Cross Curricular LITERACY/COMMUNICATION

Completion of worksheets, class discussion.

PSHE

Health and safety awareness.

ENTERPRISE

Team work and group skills.

STARTER ACTIVITY.

Register students and share the learning objectives with them.

Introduce the students to the soil samples and discuss the outline of the practical.

MAIN PART OF LESSON.

Students to select a sample of soil from the given range. Students to follow the guidance sheet.

Students to write down their findings on the recording sheet. The teaching assistant to support individuals to complete the practical activity. The teaching assistant to help the students to record their results where appropriate.

PLENARY

Clear away equipment and wash hands. Discuss the various soil types identified.

Students to complete the work sheet "What is Soil Made of?". Teaching assistant to support access group to complete the related worksheet.

Extension Tasks: Complete the soil type anagram sheet.

Risk Assessment: Teacher in charge to ensure all correct and appropriate risk assessments are carried out to ensure the health and safety of all of the students in the group.

Disclaimer

The template used to produce this document, is purely for guidance only and can be adapted to suit individual requirements/standards/establishments.

VISUAL	Teacher demonstration of soil types.
AUDITORY	Direct teaching/explanation.
KINAESTHETIC	Soil type practical activity.
SKILLS	Development of practical skills.
SEN	Review behaviour/epilepsy plans.
REWARDS	Links to school reward system.

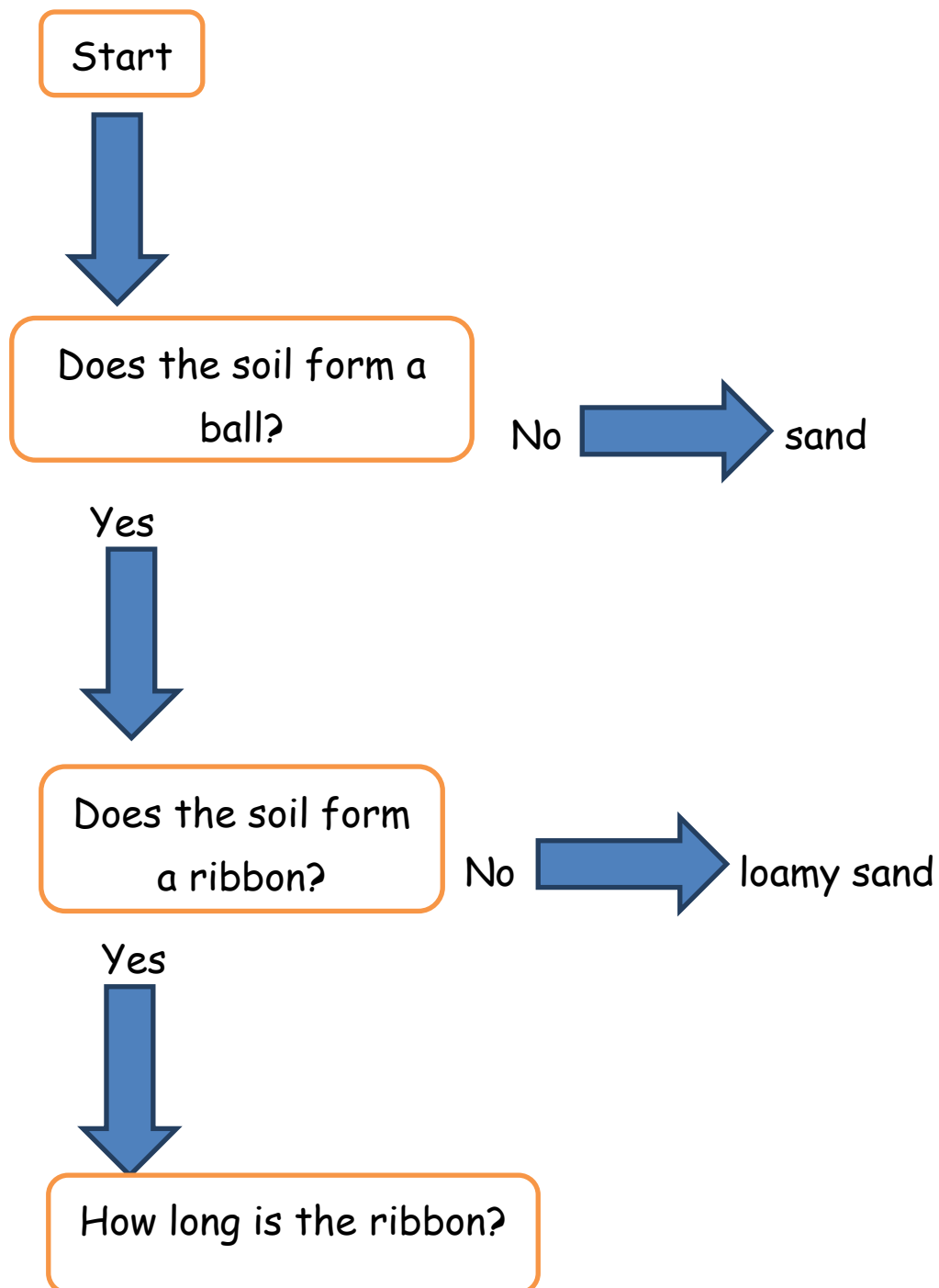


Soil Anagrams

Task: Unscramble the words to find the soil type. Tell me something about that soil type (use your worksheet from this morning to help).

Anagram	Soil Type (scrambled word)	FACT
KLAHCY		
DANSY		
ACLY		
MOALY		
TSILY		
ETPAY		

Soil Type Testing Guide



1/ Less than 2.5cm long

- Smooth and slippery → silt loam
- Gritty → sandy loam

- Neither smooth nor gritty → loam

2/ 2.5 to 5cm long

- Smooth and slippery → silty clay loam
- Gritty → sandy clay loam
- Neither smooth nor gritty → clay loam

3/ More than 5cm long

- Smooth and slippery → silty clay
- Gritty → sandy clay
- Neither smooth nor gritty → clay