

Teacher Guide Section
For
DNA fingerprinting technique

The material that we're going to cover within the lesson doesn't really have many prerequisites. It just requires a little bit information of DNA structure.

Therefore, it is suitable for any level at high school, also this lesson plan start with new application of DNA fingerprint, and ends with several types of applications.

The activities that will be applied by students will be the following:

Break 1

The students are given a chance to think in groups to find a solution for the problem.

Ask each group to write down the solution they suggested on the black board. Without any comments or hints about the wrong or right solutions for the farmer problem from the teacher. Just share, and then go to the next video segment

Break 2

Give all groups a figure for the chemical structure of DNA, and then ask each group of students to answer one question then give time for each group to share what they have come up with.

Go to the third segment.

Break 3

Give the student the time to look for information using the internet or in books borrowed for lib.

If internet is not available, you have to supply the students with books and journals about the topic. Then give time for each group to share information with others.

Break 4

Ask the students to use the steps shown in the video segment no. 4 about DNA fingerprints technology to apply on the farmer's story.

Each group will share what they came up with.

Break 5

we conclude the lesson with applications and leave the chance to the students to think about; or distribute papers with samples of applications , each group can withdraw one paper and discuss it's content, ask each group to give an application. or to ask the students to arrange applications according to importance.