In this folder you will find a 3-day lesson on Punnett squares. Students will be able to make effective use of genetics terminology to help solve inheritance problems. Students will begin by reviewing some terminology and learning more terminology. This leads into using this new information to understand and use Punnett Squares by seeing the complexity of the line diagram and figuring out the importance of the Punnett Square to simply put together the information they are learning about.

**Materials for the teacher**

Teacher guide. Filename: *PRACCIS Genetics lesson 5 - Terms Diagrams and Punnett Squares Teacher Packet*. The first item to look at is the teacher’s guide. This gives you a complete understanding of the lesson and how to implement it.

Teacher powerpoint slideshows. Filenames:

*PRACCIS Genetics Lesson 5 - Day 1 Terms Concept Lesson Class.*

*PRACCIS Genetics Lesson 5 - Day 2 & 3 Punnett Squares Introduction Class*. These are for the teacher to use throughout this unit based on the day of the lesson. It includes slides with directions for what students should do, as well as background information.

**Materials for the students**

Student packet. Filename:

*PRACCIS Genetics Lesson 5 - Day 1 Terms and Line Diagrams Student Packet.*

*PRACCIS Genetics Lesson 5 - Day 2 & 3 Punnett Square Class Packet Student Packet.*

*PRACCIS Genetics Lesson 5 - Day 2 & 3 Punnett Square Practice Part 2 Student Packet*. The student packets include some information needed for the lesson as well as questions for students to answer individually and in pairs or groups and are dispersed to students based on the day of the lesson.

**Summary of where to find models and evidence**

**Zero models and zero pieces of evidence are used in this lesson.**

\*We recommend reading the teacher’s guide first and then familiarizing yourself with the rest of the materials.