

Geometry and Topology

Geometry and Topology is the fourth and final part of the Year 11/12 “Introduction to Contemporary Mathematics” course. It is also the material for this PD workshop. The material is from Chapter 5 of the set of notes (essentially a text) by the same name which I have written. This chapter is included in the PD workshop material.

As in the other three parts of the course, the material is parallel to, but at a higher level than, the material in the book “The Heart of Mathematics”. In particular, there is much more material on classifying surfaces — although there was not time to cover it in the same detail in class as in the notes.

Also included in the PD workshop material are those parts of the teachers manual accompanying “The Heart of Mathematics” which are relevant to this section of the course. However, not all the material in the teachers manual was used, while on the other hand the teachers manual does not treat all the material that was covered.

John Hutchinson