**Suggested Lesson Plan**

Students: 6th form/Year 12 and 13/A-level

Subjects: Science

Time: 1Hr, can be varied i.e. if 45 or 50 minute lesson

Needed: Props for icebreaker, and for group work

**Intro**

This lesson will work best for students studying science A-levels, so has more of a patent focus, and may best be delivered by a patent attorney or lawyer with experience of patents and technology.

The aim of the presentation is to demonstrate to the students different types of IP, and then in groups to try and “invention spot” in various props, and report back to the class. This can give the students an idea of the sort of work patent attorneys do. Ideally, they will compare differences between each prop, to prompt a discussion as to whether it is protectable or not.

**Timeline**

First five minutes: Explain who you are, your job title

5-15 mins: Ice breaker. Examples include Coca-Cola presentation, brand name quiz. Demonstrate that students already know what IP is, even if they’ve never heard of it before.

15-25 mins: introduction to IP. This can lead from the Coca-Cola presentation or props brought in demonstrating different types of IP.

25-30 mins: Explain the interactive part of the lesson

30-50 mins: Interactive/group work. Split the students up into groups of four or five, space permitting, and give each a set of products to compare and contrast, and then present to the class.

50-60 mins – Career discussion. Explain the various careers in IP, and discuss with the students.

**Props**

The ideal props will have easy-to-understand technology, and a combination of patentable subject matter, and trade marks (and maybe design/copyright) to discuss.

Headphones – combination of over-head, in-ear, and both headphones with wires and wireless. Prompt questions for the groups can include: How do headphones work? Who made the headphones? What are the differences between the headphones?

Pharmaceutical – a range of originator and generic pharmaceuticals, including different dosages, capsule/tablet types. Ibuprofen and paracetamol are good examples, as they are inexpensive to purchase. Prompt questions for the groups can include: What are the differences and similarities between the products? Are they the same strength? What are the brand names and what are the drug names?

Sport Shoes – specialist shoes/cleats for running and cycling have patentable features. Prompt questions: What makes each shoe suitable for its particular sport? Who makes each shoe? What elements are for style, and what elements are technical?