Example Teaching Plan

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**Week 1**

1 – **Course introduction**
Introduce the course, ourselves and assessment. Outline course content and schedule.

2 – **An Introduction to the Chemistry Using Industries**
Wider context of the course through understanding the structure, history, successes, failures and challenges facing the Chemistry Using Industries both in the U.K. and globally. Emphasise that the challenges facing the future of the chemical industries gives opportunities for new solutions to be devised and commercialised.

3 – **Ingenuity Problem Definition (Red Card)**
Introduce ingenuity and group work (red card) to establish a problem to be addressed.

4 – **Close Week 1**

**Week 2**

5 – **The Basic Rules of Business**
Understand the basic rules of business – Introduce the key concepts of unmet market need, capability and reward.

6 – **Ingenuity Problem Discovery (Yellow Card)**
Ingenuity and group work (yellow card) to further discover the problem chosen to be addressed.

7 – **Close Week 2**
**Week 3**

8 – Industrial Site Visit
Visit a local chemistry using company to see firsthand how they operate.

**Week 4**

9 – Intellectual Property and Patents
Introduce the concept of Intellectual Property and explain how patents work.

10 – Interactive Intellectual Property Case Study

11 – Ingenuity Solution Determination (Green Card)
Ingenuity and group work (green card) to determine a solution to the problem chosen to be addressed.

12 – Close Week 4

**Week 5**

13 – Introduce the ‘Dragons’ Den’ Style Pitches & Rules

14 – Group Pitch Preparation Time

15 – ‘Dragon’s Den’ Style Pitches to a Judging Panel

16 – Close the Course and Prize Giving to the Winning Group