

Business Skills for Chemists

Learning Log

Developed by the University of Nottingham

**This resource was produced as part of the National HE STEM
Programme**

Learning Log

Name:

Student ID Number:

E-mail Address:

Degree Course:

Year:

Group Number (to be assigned in session 1):

The Learning Log

This course focuses on student skills, employability and personal and academic progression. It develops the competencies, learning and evaluation skills that employers are looking for.

Students taking this module are required to complete a learning log. This will give you the opportunity to reflect on the activities you have taken part in and evaluate the outcomes of your learning. This is called reflective learning.

Working through and completing the different sections of this log will ensure you get the most out of your experiences as well as completing the necessary work for the module.

Section 1 should be completed before the first teaching session on 22.2.12.

To pass this course you must:

- **Attend and participate in all 5 teaching sessions including the site visit**
- **Actively participate in the 'Dragons' Den' style business pitch**
- **Submit a satisfactorily completed learning log no later than 30.3.12**

This course has been designed to be educational, fun and interactive. As such, parts of each session and all 'Dragons' Den' pitches will be recorded using photographic, audio and/or video equipment – all of the resources generated will be freely

available for you to view/listen to upon request. By taking part in this course you give your permission for these recordings to be used for not-for-profit educational purposes, and you waive all of your intellectual property, copyright and image rights. If you have any concerns relating to this statement, please do discuss them with us.

Course Timetable

<u>Date</u>	<u>Time</u>	<u>Location</u>
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22.2.12	1330 – 1730	
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- Course Introduction
- An Introduction to the Chemistry Using Industries
- Ingenuity (Part 1)

29.2.12	1330 – 1730	
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- The Basic Rules of Business
- Ingenuity (Part 2)

7.3.12	1330 – 1730	Industrial Site Visit
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14.3.12	1330 – 1730	
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- Intellectual Property
- Ingenuity (Part 3)

21.3.12	1330 – 1730	
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- Group 'Dragons' Den' Style Business Pitching Competition

30.3.12	Learning Log Submission Deadline	
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- Please submit your completed Learning Log by this date. If you have any problems with this please contact:

Section 1 – Please complete this section BEFORE teaching session 1 (22.2.12)

Skills Audit

Please print the following two pages, answer the questions **using your current knowledge only** and submit your answers at the start of session 1.

This skills audit will be added into your Learning Log by us and returned to you at the end of the course.

1. How would you rate your current skills?

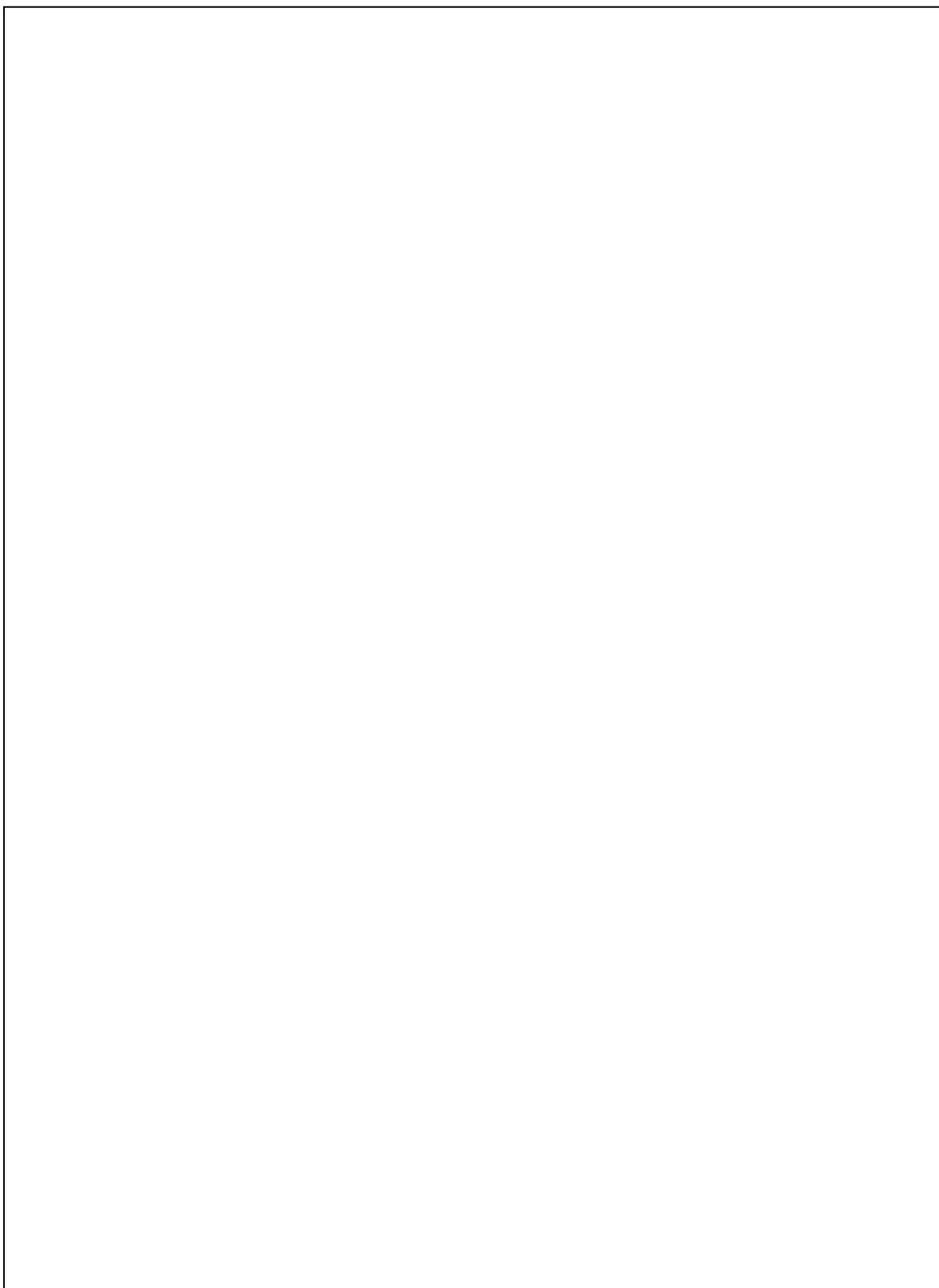
Skill	Score 1 to 5 <i>1 = Poorly skilled</i> <i>5 = Highly skilled</i>
Working in a Team	
Leading a Team	
Networking & Meeting New People	
Knowledge of Business	
Project Planning	
Giving a Presentation	

2. List AS MANY chemistry related business opportunities as you can think of within 10 mins.

Section 1 – Please complete this section BEFORE teaching session 1 (22.2.12)

- 3. Draw a diagram to illustrate your current understanding of how a new idea is commercialised within a chemistry based business.**

What needs to be considered during this process?



Section 2 – Reflection on the module content from week 1 (22.2.12)

1. What do you think are the three *most important* learning outcomes covered today, and why?

1.
2.
3.

2. Which of these learning outcomes do you think will prove *most useful* to you in the future, and why?

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3. Which learning outcomes did you not fully understand? How will you overcome this?

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4. What other skills/knowledge have you gained in this session? These may not all be business skills (e.g. teamwork, listening to others etc.).

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Section 3 – Reflection on the module content from week 2 (29.2.12)

1. What do you think are the three *most important* learning outcomes covered today, and why?

1.
2.
3.

2. Which of these learning outcomes do you think will prove *most useful* to you in the future, and why?

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3. Which learning outcomes did you not fully understand? How will you overcome this?

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4. What other skills/knowledge have you gained in this session? These may not all be business skills (e.g. teamwork, listening to others etc.).

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Section 4 – Reflection on the site visit from week 3 (7.3.12)

1. What do you think are the three *most important* learning outcomes covered today, and why?

1.
2.
3.

2. Which of these learning outcomes do you think will prove *most useful* to you in the future, and why?

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3. Was the site visit useful and interesting for you, and why?

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4. What other skills/knowledge have you gained in this session? These may not all be business skills (e.g. networking etc.).

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Section 5 – Reflection on the module content from week 4 (14.3.12)

1. What do you think are the three *most important* learning outcomes covered today, and why?

1.
2.
3.

2. Which of these learning outcomes do you think will prove *most useful* to you in the future, and why?

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3. Which learning outcomes did you not fully understand? How will you overcome this?

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4. What other skills/knowledge have you gained in this session? These may not all be business skills (e.g. teamwork, listening to others etc.).

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Section 6 – Reflection on the group business pitches from week 5 (21.3.12)

1. How do you feel your pitch went, and why?

2. Did your group work well as a team, and why?

3. What was good and what would you do differently next time?

4. What skills/knowledge have you demonstrated through preparing and delivering your group business pitch? These may be business or other skills (e.g. presentation skills, teamwork etc.).

Section 7 – Please complete and submit with the Learning Log (30.3.12)

Skills Audit – End of Course Review

Please answer the follow questions *using the knowledge gained during this course* and submit your answers with your completed Learning Log.

1. What are the principle skills that you have gained as a result of participating in this course? How do you think these skills will help you in the future?

2. How would you rate your current skills?

Skill	Score 1 to 5 <i>1 = Poorly skilled</i> <i>5 = Highly skilled</i>
Working in a Team	
Leading a Team	
Networking & Meeting New People	
Knowledge of Business	
Project Planning	
Giving a Presentation	

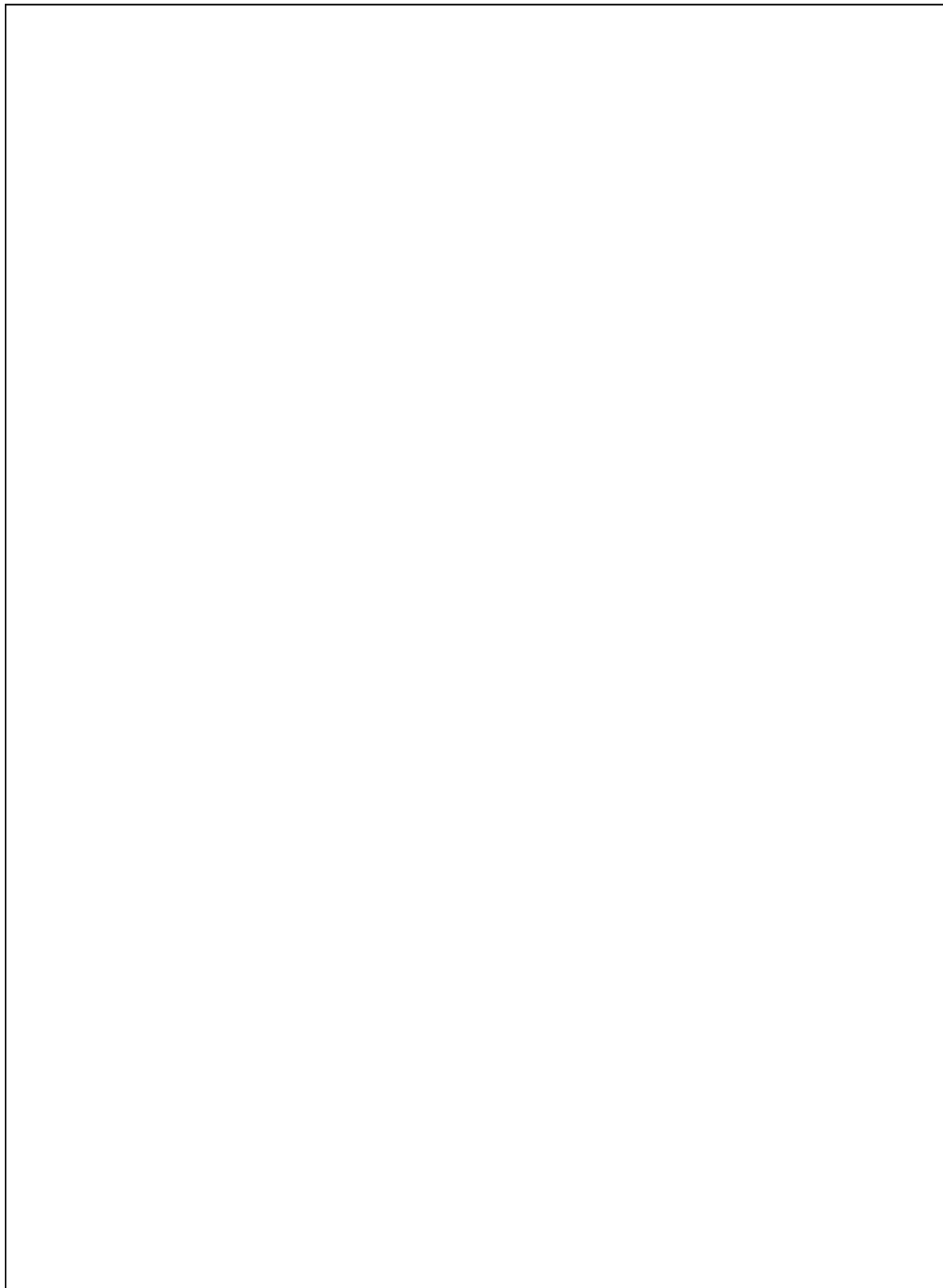
Section 7 – Please complete and submit with the Learning Log (30.3.12)

3. List *AS MANY* chemistry related business opportunities as you can think of within 10 mins.

Section 7 – Please complete and submit with the Learning Log (30.3.12)

4. Draw a diagram to illustrate your current understanding of how a new idea is commercialised within a chemistry based business.

What needs to be considered during this process?



Section 7 – Please complete and submit with the Learning Log (30.3.12)

5. Do you think taking part in this course was worthwhile, and why?

What non-business skills have you gained, used and built upon during this course? Why will these skills be useful to you in the future?

Which elements of this course did you particularly enjoy, and why?

Do you have any other comments?

Thank you for participating in our course – we hope that you have enjoyed it.