# CERTIFICATE OF COMPLETION

## Inquiry-Based Teaching in Life Sciences

## 12 March - 25 April 2018


## European Schoolnet Academy

This is to certify that

## Giger Matthias

has successfully completed the "Inquiry-Based Teaching in Life Sciences" course at the European Schoolnet Academy

Brussels, Monday, 7th May 2018

Teodora Ioan
Course Coordinator

Marc Durando
Executive Director
European Schoolnet

### Course details

Dates: 12 March - 25 April 2018
Duration: 20 hours
Description: http://www.europeanschoolnetacademy.eu/web/inquiry-based-teaching-in-life-sciences
Organiser: EUN Partnership aisbl (known as European Schoolnet), Rue de Trèves 61, B-1040 Brussels

This MOOC is produced under the Amgen Teach project, which is funded by the Amgen Foundation and coordinated by the European Schoolnet. Video contributions and content were provided by the training providers involved in the Amgen Teach project.

# Course content


## Module 1: Experience inquiry as a learner

The course participant who has successfully passed this module has achieved the following learning objectives:
1. Understanding the steps & methodology of inquiry-based learning;
2. Experiencing inquiry in life sciences as an adult learner (by completing one or more activities);
3. Identifying and reflecting on the steps followed along their inquiry path;
4. Comparing their own practice with a given example.


## Module 2: Implement inquiry in the classroom

The course participant who has successfully passed this module has achieved the following learning objectives:
1. Building their skills and confidence to implement IB teaching in the classroom;
2. Analysing at least one life science classroom implementation (from a provided list) of IBSE;
3. Accessing tips and good practices from successful practitioners.


## Module 3: Conceptual understanding of life sciences

The course participant who has successfully passed this module has achieved the following learning objectives:
1. Understanding the relevance of new discoveries in other sciences that will be used in life science;
2. Understanding how ethics relates to the study of the life sciences;
3. Trying to implement activities referring to the values and assumptions inherent to scientific knowledge and the development of scientific knowledge.


## Module 4: Assessment and inquiry I

The course participant who has successfully passed this module has achieved the following learning objectives:
1. Becoming familiar with several assessment approaches for IBSE: rubrics, reports, digital portfolios/learning diaries, writing to learn activities;
2. Reflecting on their own assessment practice through the help of already established educational practices of other teachers;
3. Practising with and exploring the various assessment methods presented.


## Module 5: Assessment and inquiry II

The course participant who has successfully passed this module has achieved the following learning objectives:
1. Incorporating all learning objectives of the course into a didactic activity;

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2. Reviewing and learning from the inquiry-based teaching practices of their peers.