

## D4.2: School visits

## Introduction

Work Package 4 is the focus for intervention with teachers and students to implement the toolkit of approaches designed in WP3. There will be feedback into WP3 through cluster meetings to develop and adapt the resources to meet local contexts as the project develops in year 2.

The two first deliverables of the Work Package 4 (D4.1 and D4.2) are presented in this document. The third deliverable (D4.3) is presented in a separated document. The two deliverables D4.1 and D4.2 concern the work done jointly by researchers and teachers in the perspective of design-based research.

D4.1) Cluster meetings: Local groups of schools and HEI's to share practice and progress monthly [month 25]

D4.2) School visits: Classroom visits for HEI partners and evaluator(s) monthly [month 25]

(DOW, Workplan table, page 11)

All partners have a cluster of schools to implement the formative assessment approaches developed in WP3 in sciences and/or mathematics. Local cluster meetings and school visits have been organised since the beginning of the WP4 (January 2015) and also before this date, due to teachers' engagement and schools initial contacts, in order to develop case studies that have taken place mainly between March and December 2015. Among partners, four are working with both sciences and mathematics teachers (NUIM, ENSL, HiST and DUE) while the other five are working with mathematics teachers.

Although cluster meetings with all the partners have not been scheduled monthly, however, meetings with teachers coming from several schools have been organised monthly (or even more frequently). Due to local contexts and in order to better plan the work with schools, the different meetings with teachers within each school have been arranged. During the WP4 period (from January 2015 to the end of January 2016), three hundred and seventy one (371) meetings between researchers and teachers have been organised by the FaSMEd teams. The objectives of these meetings as well as their agenda are given in the next pages.

All FaSMEd meetings between researchers and teachers are presented in two parts.

The first section "Overview of the meetings" is a summary of all of these meetings in a great table where we distinguish:

- Cluster meetings that correspond to meetings with all partners, teachers, headmasters, researchers (See D4.1),
- School visits that correspond to visits with one (or several) school(s) where teachers and researchers have worked on formative assessment lessons, the use of technology, and the preparation of observations,
- The line "Observations" corresponds to observations in class made by HEI.
- And finally, the line "Interviews and q-sort activity" corresponds to all meetings where students and/or teachers have been interviewed (using q-sorting or not).

The second part of this document details in one table for each partner the different meetings, making reference to the same categories (school visits, observations and interviews) and providing a more detailed description of the objectives and the content of each meeting.

## Overview of the meetings

### Overview of the meetings

**UNEW** : George Stephenson High School, St Thomas More and Park View School

**UNOTT** : De Ferrers Academy, Trinity School, Bagthorpe Primary School

**ENSL** : Lycée Parc Chabrières, collèges H.Barbusse, Fontreynne, Elsa Triolet, H.d'Urfé, N.Conté, Ecoles Parmentier, S. de Beauvoir

|                                | 2014   | 01/2015   | 02/2015   | 03/2015   | 04/2015   | 05/2015   | 06/2015  | 07/2015  |
|--------------------------------|--|---|---|---|---|---|--|--|
| Cluster meetings               | <b>UNEW</b> (22/11)<br><b>UNOTT</b> (26/11)<br><b>ENSL</b> (18/06, 10/12)  |   |   | <b>UNEW</b> (24/03)<br><b>UNOTT</b> (26/03)   |   |   |  | <b>UNEW</b> (6/07)<br><b>ENSL</b> (1/07)                                     |
| School visits                  | <b>UNEW</b> (17/12)<br><b>UNOTT</b> (6/10, 23/10, 11/11, 18/11)<br><b>ENSL</b> (3/07, 18/09, 6/10, 16/10, 6-7/11, 12/11, 19/11, 26/11) | <b>UNEW</b> (6/01, 7/01, 20/01, 21/01, 28/01)<br><b>ENSL</b> (20/01, 28/01, 29/01, 30/01) | <b>UNEW</b> (9/02, 11/02, 24/02, 25/02)<br><b>UNOTT</b> (5/02, 10/02, 12/02)<br><b>ENSL</b> (2/02, 4/02, 10-11/02, 23/02) | <b>UNOTT</b> (19/03, 30/03, 31/03)<br><b>ENSL</b> (3-6/03, 30-31/03, 30/03)                                       | <b>UNEW</b> (1/04, 23/04))<br><b>UNOTT</b> (2/04)<br><b>ENSL</b> (1/04, 2/04, 4/04, 7/04, 10/04, 20/04) | <b>UNOTT</b> (21/05)  | <b>UNEW</b> (9/06, 11/06, 19/06)<br><b>UNOTT</b> (3/06, 4/06, 16/06)                 |  |
| Observations                   | <b>ENSL</b> (10/12)  | <b>ENSL</b> (6/01)  | <b>UNOTT</b> (23/02, 24/02, 25/02, 26/02)<br><b>ENSL</b> (2/02, 10-11/02)   | <b>UNEW</b> (2/03, 4/03, 10/03, 11/03, 17/03)<br><b>UNOTT</b> (5/03, 11/03, 12/03)<br><b>ENSL</b> (3-6/03, 16/03) | <b>ENSL</b> (13-15/04)  | <b>UNEW</b> (6/06)<br><b>UNOTT</b> (6/05, 7/05, 12/05, 13/05, 14/05, 15/05) | <b>UNEW</b> (17/06, 22/06)<br><b>UNOTT</b> (3/06, 15/06, 16/06, 18/06, 25/06, 26/06) | <b>UNOTT</b> (15/07)   |
| Interviews and q-sort activity | <b>ENSL</b> (4/11)   | <b>ENSL</b> (6/01, 22/01, 28/01)  | <b>ENSL</b> (11/02, 25/02)  |   | <b>ENSL</b> (14/04)   | <b>ENSL</b> (4/05, 5/05, 26/05)   | <b>UNEW</b> (22/06)<br><b>ENSL</b> (11/06)   | <b>UNEW</b> (8/07, 13/07 : 15/07, 16/07)<br><b>UNOTT</b> (7/07, 8/07, 15/07) |

**UNEW** : George Stephenson High School, St Thomas More and Park View School

**UNOTT** : De Ferrers Academy, Trinity School, Bagthorpe Primary School

## Overview of the meetings

**ENSL** : Lycée Parc Chabrières, collèges H.Barbusse, Fontreyne, Elsa Triolet, H.d'Urfé, N.Conté, Ecoles Parmentier, S. de Beauvoir

|                                | 09/2015             | 10/2015  | 11/2015                   | 12/2015                   | 01/2016             |
|--------------------------------|---------------------|--|---------------------------|---------------------------|---------------------|
| Cluster meetings               |                     | <b>ENSL</b> (2/10, 5/10)                                       |                           |                           |                     |
| School visits                  | <b>UNEW</b> (30/09) | <b>ENSL</b> (12/10, 13/10-16/10)<br><b>UNEW</b> (14/10, 22/10) | <b>UNEW</b> (26/10)       | <b>UNEW</b> (2/12, 10/12) | <b>UNEW</b> (22/01) |
| Observations                   |                     | <b>ENSL</b> (13/10-16/10)                                      | <b>ENSL</b> (5/11, 26/11) | <b>ENSL</b> (2/12, 10/12) |                     |
| Interviews and q-sort activity |                     | <b>ENSL</b> (16/10)  | <b>ENSL</b> (2/11)        |                           |                     |

## Overview of the meetings

**NUIM** : Colaiste Pobail Setanta, Maynooth Community College, Oaklands Community College

**UNITO** : Istituto Comprensivo di Vinovo; Circolo Salgari; Istituto Comprensivo di Carcare

**AIMSSEC** : Fairmount School, Fish Hoek High School, Hyde Park College, Manzomthombo Senior School, Plumstead High School, Rustenburg Girls' High School, South Peninsula High School, Vista Nova Secondary School, Vredendal TVET College, Vuyiseka Secondary School, West Lake TVET College

|                                | 2014   | 01/2015   | 02/2015                           | 03/2015   | 04/2015  | 05/2015   | 06/2015   | 07/2015 |
|--------------------------------|--|---|-----------------------------------|---|--|---|---|---------|
| Cluster meetings               | <b>NUIM</b> (20/11)<br><b>UNITO</b> (27/06)  | <b>NUIM</b><br>(26/01)  |                                   | <b>NUIM</b> (10/03)<br><b>AIMSSEC</b><br>(26/03)    | <b>NUIM</b> (23/04)  |   | <b>UNITO</b> (23/06)<br><b>AIMSSEC</b><br>(18/06) |         |
| School visits                  | <b>NUIM</b> (5/11, 6/11)<br><b>UNITO</b> (10/09, 8/10, 24/10, 7/11, 13/11, 19/11, 4/12, 10/12, 12/12, 16/12)<br><b>AIMSSEC</b> (2/07, 8/07, 23/08, 6/09, 30/10, 18/11, | <b>NUIM</b><br>(12/01, 13/01, 14/01)<br><b>UNITO</b><br>(14/01) | <b>UNITO</b> (11/02)              | <b>UNITO</b> (9/03, 30/03)                          | <b>UNITO</b> (10/04, 15/04, 16/04, 17/04, 20/04, 21/04, 22/04) |   |   |         |
| Observations                   |  |   | <b>NUIM</b> (23/02, 25/02, 26/02) | <b>NUIM</b> (3/03, 4/03, 5/03, 20/03, 25/03, 26/03) | <b>UNITO</b> (21/04, 22/04, 23/04)                             | <b>NUIM</b> (13/05, 18/05, 19/05, 20/05)<br><b>UNITO</b> (4/05, 7/05, 8/05, 11-15/05, 18-19/05, 20-22/05, 25-29/05) |   |         |
| Interviews and q-sort activity |  |   |                                   |   |  |   | <b>UNITO</b> (3/06)                               |         |

## Overview of the meetings

**NUIM** : Colaiste Pobail Setanta, Maynooth Community College, Oaklands Community College

**UNITO** : Istituto Comprensivo di Vinovo; Circolo Salgari; Istituto Comprensivo di Carcare

**AIMSSEC** : Fairmount School, Fish Hoek High School, Hyde Park College, Manzomthombo Senior School, Plumstead High School, Rustenburg Girls' High School, South Peninsula High School, Vista Nova Secondary School, Vredendal TVET College, Vuyiseka Secondary School, West Lake TVET College

|                                | 08/2015                              | 09/2015                     | 10/2015   | 11/2015  | 12/2015   |
|--------------------------------|--------------------------------------|-----------------------------|---|--|---|
| Cluster meetings               | <b>AIMSSEC</b> (18/08)               | <b>UNITO</b> (22/09, 29/09) | <b>AIMSSEC</b> (15/10)  |  |   |
| School visits                  | <b>AIMSSEC</b> (20/08, 26/08, 28/08) | <b>AIMSSEC</b> (7/09)       | <b>AIMSSEC</b> (12/10, 17/10, 19/10, 21/10, 22/10)  | <b>NUIM</b> (13/11)<br><b>AIMSSEC</b> (19/11, 30/11)   | <b>AIMSSEC</b> (1/12)   |
| Observations                   |                                      | <b>UNITO</b> (28/09, 29/09) | <b>NUIM</b> (13/10, 14/10, 16/10)<br><b>UNITO</b> (1/10, 5/10, 6/10, 12/10, 13/10, 19/10, 20/10, 21/10, 22/10, 26/10, 27/10, 28/10) | <b>UNITO</b> (3/11, 4/11, 5/11, 9/11, 10/11, 11/11, 13/11, 16/11, 20/11, 23/11, 24/11, 26/11, 30/11) | <b>NUIM</b> (8/12)<br><b>UNITO</b> (3/12, 9/12, 10/12, 11/12, 15/12, 16/12) |
| Interviews and q-sort activity |                                      |                             | <b>NUIM</b> (20/10)   | <b>AIMSSEC</b> (20/11, 27/11)  | <b>UNITO</b> (1/12, 17/12)  |

## Overview of the meetings

**UU** : Prins Florischool, Roald Dahl school, Henri Dunantschool, Anne Frankschool

**DUE** : Gesamtschule Bockmühle, Sophie-Scholl-Gesamtschule, Schönstätter Marienschule, Clara Schumann Gymnasium

**HIST** : Birralee. Saupstad, Strindheim

|                                | 2014  | 01/2015            | 02/2015                                   | 03/2015            | 04/2015  | 05/2015   | 06/2015                                  | 07/2015            |
|--------------------------------|---|--------------------|---|--------------------|--|---|--|--------------------|
| Cluster meetings               | <b>DUE</b> (20/11)<br><b>HIST</b> (1/04)  | <b>DUE</b> (13/01) | <b>HIST</b> (3/02,<br>24/02)              |                    | <b>HIST</b> (16/04,<br>21/04)  | <b>UDE</b> (19/05)                                |  |                    |
| School visits                  | <b>UU</b> (10/10, 17/10,<br>3/12, 10/12)<br><b>DUE</b> (14/08)<br><b>HIST</b> (27/10, 4/12) |                    | <b>DUE</b> (19/02)<br><b>HIST</b> (27/03) | <b>DUE</b> (25/03) | <b>UU</b> (9/04, 16/04)<br><b>DUE</b> ((16/04)<br><b>HIST</b> (13/04 | <b>UU</b> (19/05)<br><b>HIST</b> (12/05,<br>22/05 | <b>UU</b> (11/06,<br>18/06)              |                    |
| Observations                   |   |                    | <b>HIST</b> (26/03                        |                    |  | <b>HIST</b> (12/05,<br>22/05                      | <b>UU</b> (23/06,<br>30/06)              |                    |
| Interviews and q-sort activity |   |                    |   |                    |  | <b>HIST</b> (12/05,<br>21/05, 22/05,<br>28/05)    | <b>UU</b> (30/06)<br><b>HIST</b> (18/06) | <b>DUE</b> (20/07) |

## Overview of the meetings

**UU** : Prins Florischool, Roald Dahl school, Henri Dunantschool, Anne Frankschool, De Horizon (Amstelveen), De Poolster (Nieuw-Roden), De Wierde (Winsum), De Postiljon (Soesterberg), De Tweesprong (Maarssen), Josefschool (Culemborg), ASV Daltonschoon (Amersfoort), Vreewijkschool (Rotterdam), Kon. Julianaschool (Heerjansdam), 't Palet Holy (Vlaardingen), De Meerpaal (Zoetermeer), Het Kompas (Stellendam), Paulus (Castricum), De Windroos (Lelystad), Kabas (Franeker), De Driestam (Eindhoven), 't Hout (Helmond), De Touwladder (St Michielsgestel), Antonius (Heusden), D'n Heiakker (Deurne), Irisschool (Terneuzen), De Rank (Toldijk), Pius X (Haaksbergen), 't Bijenveld (Leuth), Walien (Winterswijk Huppel), Alfonsusschool (Enschede), De Poolster (Nieuw-Roden)

**DUE** : Gesamtschule Bockmühle, Sophie-Scholl-Gesamtschule, Schönstätter Marienschule, Clara Schumann Gymnasium

**HIST** : Birralee. Saupstad, Strindheim

|                                | 08/2015            | 09/2015                                     | 10/2015                        | 11/2015                                   | 12/2015                                      |
|--------------------------------|--------------------|---|--------------------------------|---|--|
| Cluster meetings               |                    | <b>HIST</b> (17/09)                         |                                |   |  |
| School visits                  |                    | <b>UU</b> (2/09, 9/09, 10/09, 22/09, 30/09) | <b>UU</b> (1/10, 27/10, 28/10) | <b>UU</b> (4/11, 5/11, 1/11)              |  |
| Observations                   | <b>DUE</b> (31/08) |   | <b>HIST</b> (15/10)            | <b>DUE</b> (27/11)<br><b>HIST</b> (19/11) | <b>UU</b> (1/12, 8/12)<br><b>DUE</b> (21/12) |
| Interviews and q-sort activity |                    |   |                                |   |  |



## UNEW team's school visits

### UNEW

|             |   |
|-------------|---|
| <b>Date</b> | <b>17th December 2014</b>   |
| Programme   | <ol style="list-style-type: none"> <li>1. Who is the Fasted 'champion' in the school (i.e. the main point of contact and co-ordinator)?</li> <li>2. Have permissions been negotiated (or planned for)?</li> <li>3. Which activities have been chosen? (Not including the time/distance graphs)</li> <li>4. What is the timetable for meetings and activities? (Spreadsheet attached which might help with this).</li> <li>5. Any support/training needed eg. Do you want a 'webinar' to demonstrate Classflow? Anything else?</li> <li>6. Any questions you have about the project.</li> <li>7.AOB</li> </ol> |
| Schools     | St Thomas More  |
| <b>Date</b> | <b>6th January 2015</b>   |
| Programme   | <ol style="list-style-type: none"> <li>1. Who is the Fasted 'champion' in the school (i.e. the main point of contact and co-ordinator)?</li> <li>2. Have permissions been negotiated (or planned for)?</li> <li>3. Which activities have been chosen? (Not including the time/distance graphs)</li> <li>4. What is the timetable for meetings and activities? (Spreadsheet attached which might help with this).</li> <li>5. Any support/training needed eg. Do you want a 'webinar' to demonstrate Classflow? Anything else?</li> <li>6. Any questions you have about the project.</li> <li>7.AOB</li> </ol> |
| Schools     | George Stephenson High School   |
| <b>Date</b> | <b>7th January 2015</b>   |
| Programme   | <ol style="list-style-type: none"> <li>1. Who is the Fasted 'champion' in the school (i.e. the main point of contact and co-ordinator)?</li> <li>2. Have permissions been negotiated (or planned for)?</li> <li>3. Which activities have been chosen? (Not including the time/distance graphs)</li> <li>4. What is the timetable for meetings and activities? (Spreadsheet attached which might help with this).</li> <li>5. Any support/training needed eg. Do you want a 'webinar' to demonstrate Classflow? Anything else?</li> <li>6. Any questions you have about the project.</li> <li>7.AOB</li> </ol> |
| Schools     | Park View School  |
| <b>Date</b> | <b>20th January 2015</b>  |
| Programme   | Activity 1: Time Distance Graphs - teachers' collective planning session  |
| Schools     | George Stephenson High School   |
| <b>Date</b> | <b>21st January 2015</b>  |
| Programme   | Activity 1: Time Distance Graphs - teachers' collective planning session  |
| Schools     | Park View School  |
| <b>Date</b> | <b>28th January 2015</b>  |
| Programme   | Activity 1: Time Distance Graphs - teachers' collective planning session  |
| Schools     | St Thomas More  |
| <b>Date</b> | <b>9th February 2015</b>  |
| Programme   | Activity 1: Time Distance Graphs - teachers' collective review meeting  |
| Schools     | George Stephenson High School   |

# UNEW team's school visits

|                  |  |
|------------------|--|
| <b>Date</b>      | <b>11th February 2015</b>  |
| Programme        | Activity 1: Time Distance Graphs - teachers' collective review meeting   |
| Schools          | St Thomas More   |
| <b>Date</b>      | <b>24th February 2015</b>  |
| Programme        | Activity 2: Candy Cartons - teachers' collective planning session  |
| Schools          | George Stephenson High School  |
| <b>Date</b>      | <b>25th February 2015</b>  |
| Programme        | Activity 2: Security Cameras - teachers' collective planning session   |
| Schools          | St Thomas More   |
| <b>Date</b>      | <b>2nd March</b>   |
| Programme        | Activity 1: Observe T/D graphs lesson  |
| Schools          | St Thomas More   |
| <b>Date</b>      | <b>4th March 2015</b>  |
| Programme        | Activity 1: Time Distance Graphs - teachers' collective review meeting. Activity 2: Gold Rush - teachers' collective planning session. |
| Schools          | Park View School   |
| <b>Date</b>      | <b>10th March 2015</b>   |
| Programme        | Filming of FaSMEd lessons  |
| Schools          | George Stephenson High School  |
| <b>Date</b>      | <b>11th March 2015</b>   |
| Programme        | Activity 2: Security Cameras - teachers' collective review. Activity 3: Developing a Sense of Scale - teachers' collective planning.   |
| Schools          | St Thomas More   |
| <b>Date</b>      | <b>17th March 2015</b>   |
| Programme        | Activity 2: Candy Cartons - teachers' collective review. Activity 3 (Sharing travel costs) teacher planning session.                   |
| Schools          | George Stephenson High School  |
| <b>Date</b>      | <b>1st April 2015</b>  |
| Programme        | Teachers reviewed Activity 3 (Developing a Sense of Scale) and planned Activity 4 (Candy Cartons)                                      |
| Schools          | St Thomas More   |
| <b>Date</b>      | <b>23rd April 2015</b>   |
| Programme        | Teachers reviewed Security Cameras activity  |
| Schools          | Park View School   |
| <b>Date</b>      | <b>6th May 2015</b>  |
| <b>Programme</b> | <b>Observed Sharing Travel Costs activity</b>  |
| <b>Schools</b>   | <b>St Thomas More</b>  |
| <b>Date</b>      | <b>9th June 2015</b>   |
| Programme        | Teachers reviewed Activity 3 (Sharing travel costs) and planned Activity 4 (Security Cameras)  |
| Schools          | George Stephenson High School  |
| <b>Date</b>      | <b>10th June 2015</b>  |
| <b>Programme</b> | <b>Teachers collectively reviewed Activity 5 (Sharing travel costs) and planned Activity 6 (Selling Soup)</b>                          |
| <b>Schools</b>   | <b>St Thomas More</b>  |
| <b>Date</b>      | <b>11th June 2015</b>  |
| Programme        | Teachers reviewed Activity 4 (Security Cameras) and planned Activity 5 (Counting trees)  |
| Schools          | Park View School   |

# UNEW team's school visits

|                  |  |
|------------------|--|
| <b>Date</b>      | <b>17th June 2015</b>  |
| <b>Programme</b> | <b>Observation of two consecutive Security Cameras lessons and teacher interview.</b>                        |
| <b>Schools</b>   | <b>George Stephenson High School</b>   |
| <b>Date</b>      | <b>19th June 2015</b>  |
| Programme        | Filming of FaSMEd lessons  |
| Schools          | St Thomas More   |
| <b>Date</b>      | <b>22nd June 2015</b>  |
| Programme        | Observation of two consecutive Selling Soup lessons and teacher interview.                                   |
| Schools          | St Thomas More   |
| <b>Date</b>      | <b>24th June 2015</b>  |
| Programme        | Observation of two consecutive Counting Trees lessons and teacher interview.                                 |
| Schools          | Park View School   |
| <b>Date</b>      | <b>8th July 2015</b>   |
| Programme        | Student interviews and q sort activity   |
| Schools          | Park View School   |
| <b>Date</b>      | <b>8th July 2015</b>   |
| Programme        | Teachers reviewed Activity 6 (Selling Soup)  |
| Schools          | St Thomas More   |
| <b>Date</b>      | <b>13th July 2015</b>  |
| Programme        | Student interviews and q sort activity and teacher interview.  |
| Schools          | St Thomas More   |
| <b>Date</b>      | <b>15th July 2015</b>  |
| Programme        | Student interviews and q sort activity and teacher interview.  |
| Schools          | George Stephenson High School  |
| <b>Date</b>      | <b>16th July 2015</b>  |
| Programme        | Student interviews and q sort activity.  |
| Schools          |  |
| <b>Date</b>      | <b>30th September 2015</b>   |
| Programme        | Making comics with 8 students who took part in the FaSMEd project. Working with Lydia Wysocki (comic maker). |
| Schools          | George Stephenson High School  |
| <b>Date</b>      | <b>14th October 2015</b>   |
| Programme        | Making comics with 8 students who took part in the FaSMEd project. Working with Lydia Wysocki (comic maker). |
| Schools          | George Stephenson High School  |
| <b>Date</b>      | <b>22nd October</b>  |
| Programme        | Making comics with 8 students who took part in the FaSMEd project. Working with Lydia Wysocki (comic maker). |
| Schools          | George Stephenson High School  |
| <b>Date</b>      | <b>26th November 2015</b>  |
| Programme        | Making comics with 8 students who took part in the FaSMEd project. Working with Lydia Wysocki (comic maker). |
| Schools          | George Stephenson High School  |
| <b>Date</b>      | <b>2nd December 2015</b>   |
| Programme        | Making comics with 8 students who took part in the FaSMEd project. Working with Lydia Wysocki (comic maker). |
| Schools          | George Stephenson High School  |

## UNEW team's school visits

|             |  |
|-------------|--|
| <b>Date</b> | <b>10th December 2015</b>  |
| Programme   | Making comics with 8 students who took part in the FaSMEd project. Working with Lydia Wysocki (comic maker). |
| Schools     | George Stephenson High School  |
| <b>Date</b> | <b>22nd January 2016</b>   |
| Programme   | Making comics with 8 students who took part in the FaSMEd project. Working with Lydia Wysocki (comic maker). |
| Schools     | George Stephenson High School  |

# UNOTT team's school visits

## UNOTT

|             |  |
|-------------|--|
| <b>Date</b> | <b>6th October 2014</b>  |
| Programme   | School meeting.<br>8:30 Meeting with teachers.<br>8:50 - 12:00 Informal observations of lessons at the school.<br>12:00-13:00 Meeting with teachers to discuss research project. |
| Schools     | De Ferrers Academy   |
| <b>Date</b> | <b>23rd October 2014</b>   |
| Programme   | School meeting<br>14:30 - 15:30 Informal observation of lesson using iPads.<br>15:30-16:30 Meeting with teachers to introduce research project.                                  |
| Schools     | Trinity School   |
| <b>Date</b> | <b>11th November 2014</b>  |
| Programme   | School meeting.<br>15:30 - 16:45 Discussion and planning with teachers.  |
| Schools     | De Ferrers Academy   |
| <b>Date</b> | <b>18th November 2014</b>  |
| Programme   | School meeting.<br>14:00 - 15:00 Demonstration lesson to show uses of iPads to lead teacher in the school.<br>15:00-15:30 Discussion with lead teacher about research project.   |
| Schools     | Bagthorpe Primary School   |
| <b>Date</b> | <b>5th February 2015</b>   |
| Programme   | School meeting. 15:45-16:45 Planning first lesson with teaching team: distance-time graphs.  |
| Schools     | De Ferrers Academy   |
| <b>Date</b> | <b>10th February 2015</b>  |
| Programme   | School meeting. 13:00 - 14:30 Planning first lesson with teaching team: tessellations  |
| Schools     | Bagthorpe Primary School   |
| <b>Date</b> | <b>12th February 2015</b>  |
| Programme   | School meeting. 15:30-16:45 Planning first lesson with teaching team: algebraic expressions.   |
| Schools     | Trinity School   |
| <b>Date</b> | <b>23rd February 2015</b>  |
| Programme   | School meeting 8:50-9:50 Lesson observation and discussion 1A: Distance-time graphs  |
| Schools     | De Ferrers Academy   |
| <b>Date</b> | <b>24th February 2015</b>  |
| Programme   | School meeting. 11:00-12:00 Lesson Observation and discussion 3A: Tessellations  |
| Schools     | Bagthorpe Primary School   |
| <b>Date</b> | <b>25th February 2015</b>  |
| Programme   | School meeting. 9:30-10.30 Lesson observation and discussion 3B: Tessellations   |
| Schools     | Bagthorpe Primary School   |
| <b>Date</b> | <b>25th February 2015</b>  |
| Programme   | School meeting. 14:30-15:30 Lesson observation and discussion 1B: Distance-time graphs   |
| Schools     | De Ferrers Academy   |

## UNOTT team's school visits

|             |  |
|-------------|--|
| <b>Date</b> | <b>26th February 2015</b>  |
| Programme   | School meeting.<br>8:50-9:50<br>Lesson observation, video and discussion 1C:<br>Distance-time graphs   |
| Schools     | De Ferrers Academy   |
| <b>Date</b> | <b>26th February 2015</b>  |
| Programme   | School meeting. 13:00-14:00 Lesson observation, video and discussion 3C: Tessellations   |
| Schools     | Bagthorpe School   |
| <b>Date</b> | <b>5th March 2015</b>  |
| Programme   | School meeting. 10:30-11:30 Lesson observation and discussion 2A: Algebraic expressions  |
| Schools     | Trinity School   |
| <b>Date</b> | <b>11th March 2015</b>   |
| Programme   | School meeting. 9:15-10:15 Lesson observation and discussion 2B: Algebraic expressions   |
| Schools     | Trinity School   |
| <b>Date</b> | <b>12th March 2015</b>   |
| Programme   | School meeting. 14:30-15:30 Lesson observation, video and discussion 2C: Algebraic expressions.  |
| Schools     | Trinity School   |
| <b>Date</b> | <b>19th March 2015</b>   |
| Programme   | School meeting. 15:45-16:45 Feedback and reflection on first lesson with teaching team   |
| Schools     | De Ferrers Academy   |
| <b>Date</b> | <b>30th March 2015</b>   |
| Programme   | School meeting. 15:30 -16:45 Planning second lesson with teaching team   |
| Schools     | De Ferrers Academy   |
| <b>Date</b> | <b>31st March 2015</b>   |
| Programme   | School meeting. 13:00 - 14:30 Feedback and reflection on first lesson and initial planning for second lesson.  |
| Schools     | Bagthorpe Primary School   |
| <b>Date</b> | <b>2nd April 2015</b>  |
| Programme   | School meeting. 15:30-16:45 Feedback and reflection on first lesson and initial planning for the second lesson.  |
| Schools     | Trinity School   |
| <b>Date</b> | <b>6th May 2015</b>  |
| Programme   | School meeting. 9:15-10:15 Lesson observation and discussion 5A: Negative numbers.   |
| Schools     | Trinity School   |
| <b>Date</b> | <b>7th May 2015</b>  |
| Programme   | School meeting.<br>10:30-11:30 Lesson observation, video and discussion 5B: Negative numbers.<br>14:30-15:30 Lesson observation and discussion 5C: Negative numbers. |
| Schools     | Trinity School   |
| <b>Date</b> | <b>12th May 2015</b>   |
| Programme   | School meeting. 8:50-9:50 Lesson observation and discussion 4A: Meatballs problem.   |
| Schools     | De Ferrers Academy   |
| <b>Date</b> | <b>13th May 2015</b>   |
| Programme   | School meeting. 14:30-15:30 Lesson observation, video and discussion 4B: Meatballs problem.  |
| Schools     | De Ferrers Academy   |

# UNOTT team's school visits

|             |  |
|-------------|--|
| <b>Date</b> | <b>14th May 2015</b>   |
| Programme   | School meeting. 8:50-9:50 Lesson observation and discussion 4C: Meatballs problem.   |
| Schools     | De Ferrers Academy   |
| <b>Date</b> | <b>15th May 2015</b>   |
| Programme   | School meeting. 9:30-10:30 Lesson observation and discussion 6A: Area and perimeter investigation  |
| Schools     | Bagthorpe School   |
| <b>Date</b> | <b>15th May 2015</b>   |
| Programme   | School meeting. 11:00-12:00 Lesson observation and discussion 6B: Area and perimeter investigation.  |
| Schools     | Bagthorpe School   |
| <b>Date</b> | <b>21st May 2015</b>   |
| Programme   | School meeting. 15:30 - 16:45 Feedback and reflection on second lesson. Discussion and planning for third lesson.  |
| Schools     | De Ferrers Academy   |
| <b>Date</b> | <b>3rd June 2015</b>   |
| Programme   | School meeting. 11:00-12:00 Lesson observation, video and discussion 6C: Area and perimeter investigation.   |
| Schools     | Bagthorpe School   |
| <b>Date</b> | <b>4th June 2015</b>   |
| Programme   | School meeting. 15:30-16.45 Feedback and reflection on second lesson. Discussion and planning of third lesson.   |
| Schools     | Trinity School   |
| <b>Date</b> | <b>15th June 2015</b>  |
| Programme   | School meeting. 11:25-12:25 Lesson observation and discussion 7A: Multi-step equations   |
| Schools     | De Ferrers Academy   |
| <b>Date</b> | <b>16th June 2015</b>  |
| Programme   | School meeting. 11:25-12:25 Lesson observation and discussion 7B: Multi-step equations   |
| Schools     | De Ferrers Academy   |
| <b>Date</b> | <b>16th June 2015</b>  |
| Programme   | School meeting. 13:45-15:00 Feedback and reflection on second lesson. Discussion of next steps for development with iPads in the school and support from Fasméd. |
| Schools     | Bagthorpe School   |
| <b>Date</b> | <b>18th June 2015</b>  |
| Programme   | School meeting. 8:50-9:50 Lesson observation and discussion 7C: Multi-step equations.  |
| Schools     | De Ferrers Academy   |
| <b>Date</b> | <b>25th June 2015</b>  |
| Programme   | School meeting. 10:30-11:30 Lesson observation and discussion 8A: Magic V investigation.   |
| Schools     | Trinity School   |
| <b>Date</b> | <b>26th June 2015</b>  |
| Programme   | School meeting. 11:30-12:30 Lesson observation, video and discussion 8B: Magic V investigation   |
| Schools     | Trinity School   |
| <b>Date</b> | <b>6th July 2015</b>   |
| Programme   | School meeting. 15:30 - 16:30. Meeting to conduct teacher interview and provide feedback on third lesson.  |
| Schools     | De Ferrers Academy   |

# UNOTT team's school visits

|             |  |
|-------------|--|
| <b>Date</b> | <b>7th July 2015</b>   |
| Programme   | School meeting. 11.15 -13:00 Meeting to conduct teacher interviews and focus group discussion.   |
| Schools     | De Ferrers Academy   |
| <b>Date</b> | <b>8th July 2015</b>   |
| Programme   | School meeting. 10.15 - 13:00. Meeting to conduct teacher interviews and focus group discussion.   |
| Schools     | Trinity School   |
| <b>Date</b> | <b>15th July 2015</b>  |
| Programme   | School meeting. 13:30 - 14:30 Meeting to observe lesson, video and discuss 8C: Magic V investigation. (Postponed from planned date due to staff illness) |
| Schools     | Trinity School   |



## ENSL

|             |   |
|-------------|---|
| <b>Date</b> | <b>18th September 2014</b>  |
| Programme   | Organisation of the school year 2h  |
| Schools     | Ecoles Saint Fons   |
| <b>Date</b> | <b>16th October 2014</b>  |
| Programme   | Organisation of the school year 2h  |
| Schools     | Lycée Parc Chabrières   |
| <b>Date</b> | <b>6-7th November 2014</b>  |
| Programme   | Thursday 4th November<br>10h: Welcome M. Aldon and M. Leydet (IA-IPR HG)<br>10h – 11h: Exchange M. Aldon and M. Leydet<br>11h – 12h: Exchange M. Aldon, M. Leydet, M. Garcia<br>13h – 14h: Meeting of team 3E and M. Aldon<br>16h – 17h: Meeting of direction team, M. Aldon, M. Garcia<br>Friday 7th November<br>Morning: Exchange M. Aldon and Mme Wix (SCOLA project)<br>13h – 14h: observation mathematics lesson (3E) 14h – 15h : observation HG lesson (3E)<br>15h – 16h: observation SPC lesson (3E) 16h – 17h : observation mathematics lesson (3E) |
| Schools     | Collège Fontreyne, Gap  |
| <b>Date</b> | <b>12th November 2014</b>   |
| Programme   | Analysis of classroom situation 2h  |
| Schools     | Ecoles Saint Fons   |
| <b>Date</b> | <b>19th November 2014</b>   |
| Programme   | Implementation of classroom situations  |
| Schools     | Collège D'Urfé, Triolet, Conté  |
| <b>Date</b> | <b>26th November 2014</b>   |
| Programme   | Reflections upon Formative Assessment 2h  |
| Schools     | Ecoles Saint Fons   |
| <b>Date</b> | <b>29th January 2015</b>  |
| Programme   | 11h-13h<br>- Use of technology in the classroom: what teachers did/plan to do? what is the link with FA?<br>- Observations planning: possible activities, collaborative works (math&science), schedule<br>- Grid for the observations: fundamental points teachers have to note before and after the lesson<br>- Possibility of interview students to get some feedback after the lesson, between a lesson and the other<br>- School visit of 30th April  |
| Schools     | Lycée Parc Chabrières   |
| <b>Date</b> | <b>30th January 2015</b>  |
| Programme   | 11h30-13h<br>- Use of technology in the classroom: what teachers did/plan to do? what is the link with FA?<br>- Need for technical help? Support in preparing the lesson material?<br>- Observations planning: possible activities, schedule<br>- Possibility of interview teachers before and after the lesson<br>- School visit of 30th April   |
| Schools     | Ecoles Saint Fons<br>Parmentier   |

# ENSL team's school visits

|             |  |
|-------------|--|
| <b>Date</b> | <b>2nd February 2015</b>   |
| Programme   | School visit<br>Organisation of European partners visits<br>Planning of FA lessons   |
| Schools     | Collège Barbusse, Vaulx en Velin   |
| <b>Date</b> | <b>10th-11th February 2015</b>   |
| Programme   | Observations in the classroom.<br>Meeting with the teachers' team.<br>Meeting with the headmaster.   |
| Schools     | Collège Fontreyne, Gap   |
| <b>Date</b> | <b>3rd-6th March 2015</b>  |
| Programme   | Observations in the classroom.<br>Meeting with the teachers' team.<br>Meeting with the headmaster.   |
| Schools     | Ecole Parmentier, Saint-Fons   |
| <b>Date</b> | <b>16th March 2015</b>   |
| Programme   | 14h-16h Discussion with teachers<br>Observation of a lesson.   |
| Schools     | Lycée Parc Chabrières  |
| <b>Date</b> | <b>30th March, 31st March, 2nd April</b>   |
| Programme   | Observation, discussion with teachers, organisation of the next lessons  |
| Schools     | École Parmentier, Saint-Fons   |
| <b>Date</b> | <b>7th April, 2015</b>   |
| Programme   | Observation, discussion with teachers, organisation of the next lessons  |
| Schools     | École Parmentier, Saint-Fons   |
| <b>Date</b> | <b>13th to 15th April, 2015</b>  |
| Programme   | Following students during lessons for three days<br>Meeting with teachers<br>meeting with headmaster                                       |
| Schools     | Collège Fontreyne Gap  |
| <b>Date</b> | <b>30th March 2015</b>   |
| Programme   | School visit<br>Reflexion about FA and technology for FA   |
| Schools     | Collège Barbusse, Vaulx en Velin   |
| <b>Date</b> | <b>4th April 2015</b>  |
| Programme   | Discussion about the description of activities   |
| Schools     | Collège Barbusse, Vaulx en Velin   |
| <b>Date</b> | <b>10th April 2015</b>   |
| Programme   | Conception of FA lessons in physics and science of life and earth<br>How to use student response system: what does it bring for FA lessons |
| Schools     | Collège Barbusse, Vaulx en Velin   |
| <b>Date</b> | <b>4th May 2015</b>  |
| Programme   | Observation of FA lessons  |
| Schools     | Collège Barbusse, Vaulx en Velin   |
| <b>Date</b> | <b>20th April 2015</b>   |
| Programme   | Conception of FA lessons in maths and physics  |
| Schools     | Collège Barbusse,<br>Vaulx en Velin  |

# ENSL team's school visits

|             |  |
|-------------|--|
| <b>Date</b> | <b>5th May 2015</b>  |
| Programme   | Observation  |
| Schools     | Collège Barbusse, Vaulx en Velin   |
| <b>Date</b> | <b>12th October 2015</b>   |
| Programme   | School visit<br>Discussion about the re-teaching time-distance activity<br>New organisation,<br>Schedule   |
| Schools     | Collège Barbusse, Vaulx en Velin   |
| <b>Date</b> | <b>13th-16th October 2015</b>  |
| Programme   | School visitObservations in the Maths and Physics classroomsMeeting with teachers - Re-teaching lesson - FA in the tablet classroom - interview with teachersQ-sorting |
| Schools     | Collège Fontreyne Gap  |
| <b>Date</b> | <b>2nd November 2015</b>   |
| Programme   | Q-sorting (before FaSMEd)  |
| Schools     | Collège Barbusse, Vaulx en Velin   |
| <b>Date</b> | <b>5th November 2015</b>   |
| Programme   | Observation  |
| Schools     | Collège Barbusse, Vaulx en Velin   |
| <b>Date</b> | <b>13th November 2015</b>  |
| Programme   | Analyse of students answers<br>Preparation of workshops with students  |
| Schools     | École Parmentier, Saint-Fons   |
| <b>Date</b> | <b>26th November 2015</b>  |
| Programme   | Observation  |
| Schools     | Collège Barbusse, Vaulx en Velin   |
| <b>Date</b> | <b>2nd December 2015</b>   |
| Programme   | Observation in the class   |
| Schools     | École Parmentier, Saint-Fons   |
| <b>Date</b> | <b>10th December 2015</b>  |
| Programme   | Observation and Q-sorting (after FaSMEd)   |
| Schools     | Collège Barbusse, Vaulx en Velin   |

## NUIM

|             |   |
|-------------|---|
| <b>Date</b> | <b>5th November 2014</b>  |
| Programme   | Introduction to the project.  |
| Schools     | Colaiste Pobail Setanta   |
| <b>Date</b> | <b>6th November 2014</b>  |
| Programme   | Introduction to the project.  |
| Schools     | Maynooth Community College  |
| <b>Date</b> | <b>24th November 2014</b>   |
| Programme   | Teacher Interviews  |
| Schools     | Colaiste Pobail Setanta   |
| <b>Date</b> | <b>25th November 2014</b>   |
| Programme   | Teacher Interviews  |
| Schools     | Maynooth Community College  |
| <b>Date</b> | <b>26th November 2014</b>   |
| Programme   | Teacher Interviews  |
| Schools     | Maynooth Community College  |
| <b>Date</b> | <b>5th December 2014</b>  |
| Programme   | Teacher Interviews  |
| Schools     | Oaklands Community College  |
| <b>Date</b> | <b>11th December 2014</b>   |
| Programme   | Teacher Interviews  |
| Schools     | Colaiste Pobail Setanta   |
| <b>Date</b> | <b>12th January 2015</b>  |
| Programme   | Progress meeting with teachers: review of activity 1, discussions about technology in the project     |
| Schools     | Maynooth Community College  |
| <b>Date</b> | <b>13th January 2015</b>  |
| Programme   | Progress meeting with teachers: review of activity 1, discussions about technology in the project     |
| Schools     | Oaklands Community College  |
| <b>Date</b> | <b>14th January 2015</b>  |
| Programme   | Progress meeting with teachers: review of activity 1, discussions about technology in the project     |
| Schools     | Colaiste Pobail Setanta   |
| <b>Date</b> | <b>12th February 2015</b>   |
| Programme   | Classroom Observation: Science, Insulation Lesson.  |
| Schools     | Maynooth Community College  |
| <b>Date</b> | <b>23rd February 2015</b>   |
| Programme   | Classroom Observation: Maths. Distance Time Lesson  |
| Schools     | Maynooth Community College  |
| <b>Date</b> | <b>25th February 2015</b>   |
| Programme   | Classroom Observation: Maths. Distance Time Lesson  |
| Schools     | Colaiste Pobail Setanta   |
| <b>Date</b> | <b>26th February 2015</b>   |
| Programme   | Classroom Observation: Science. Insulation Lesson. Classroom Observation: Maths. Distance Time Lesson |
| Schools     | Oaklands Community College  |

# NUIM team's school visits

|             |  |
|-------------|--|
| <b>Date</b> | <b>3rd March 2015</b>  |
| Programme   | Classroom Observation: Science. Insulation Lesson (two separate lessons observed)                                    |
| Schools     | Colaiste Pobail Setanta  |
| <b>Date</b> | <b>5th March 2015</b>  |
| Programme   | Classroom Observation: Science. Insulation Lesson, Feedback Activity   |
| Schools     | Oaklands Community College   |
| <b>Date</b> | <b>20th March 2015</b>   |
| Programme   | Classroom Observation: Maths. Number Operations Lesson   |
| Schools     | Colaiste Pobail Setanta  |
| <b>Date</b> | <b>25th March 2015</b>   |
| Programme   | Classroom Observation: Science. Heart Rate Lesson  |
| Schools     | Oaklands Community College   |
| <b>Date</b> | <b>26th March 2015</b>   |
| Programme   | Classroom Observation: Science. Heart Rate Lesson (MCC). Classroom Observation: Science. Energy in Food Lesson (CPS) |
| Schools     | Maynooth Community College, Colaiste Pobail Setanta  |
| <b>Date</b> | <b>13th May 2015</b>   |
| Programme   | Classroom Observation: Science. Graphic Organisers Lesson  |
| Schools     | Oaklands Community College   |
| <b>Date</b> | <b>18th May 2015</b>   |
| Programme   | Classroom Observation: Science. Graphic Organisers Lesson 1  |
| Schools     | Maynooth Community College   |
| <b>Date</b> | <b>19th May 2015</b>   |
| Programme   | Classroom Observation: Science. Graphic Organisers Lesson 2  |
| Schools     | Maynooth Community College   |
| <b>Date</b> | <b>20th May 2015</b>   |
| Programme   | Classroom Observation: Science and Maths. Graphic Organisers Lesson. Student Interviews and Q-Sort                   |
| Schools     | Colaiste Pobail Setanta  |
| <b>Date</b> | <b>21st May 2015</b>   |
| Programme   | Student Interviews and Q-Sort  |
| Schools     | Colaiste Pobail Setanta and Maynooth Community College   |
| <b>Date</b> | <b>25th May 2015</b>   |
| Programme   | Teacher Post Interviews  |
| Schools     | Colaiste Pobail Setanta  |
| <b>Date</b> | <b>27th May 2015</b>   |
| Programme   | Teacher Post Interviews, Student Interviews and Q-Sort   |
| Schools     | Oaklands Community College   |
| <b>Date</b> | <b>28th May 2015</b>   |
| Programme   | Teacher Post Interviews  |
| Schools     | Maynooth Community College   |
| <b>Date</b> | <b>13th October 2015</b>   |
| Programme   | FaSMEd Filming in Maths: Distance Time Lesson Retaught   |
| Schools     | Colaiste Pobail Setanta  |
| <b>Date</b> | <b>14th October 2015</b>   |
| Programme   | FaSMEd Filming in Science: Insulation Lesson Retaught  |
| Schools     | Oaklands Community College   |
| <b>Date</b> | <b>15th October 2015</b>   |
| Programme   | FaSMEd Filming in Science: Insulation Feedback Lesson Retaught   |
| Schools     | Oaklands Community College   |

# NUIM team's school visits

|             |   |
|-------------|---|
| <b>Date</b> | <b>16th October 2015</b>  |
| Programme   | FaSMEd Filming in Science: Insulation Lesson Retaught                       |
| Schools     | Maynooth Community College  |
| <b>Date</b> | <b>20th October 2015</b>  |
| Programme   | Student Interviews and Q-Sort   |
| Schools     | Colaiste Pobail Setanta   |
| <b>Date</b> | <b>13th November 2015</b>   |
| Programme   | Meeting with teacher regarding reteaching a science lesson, project update. |
| Schools     | Maynooth Community College  |
| <b>Date</b> | <b>8th December 2015</b>  |
| Programme   | Classroom Observation: Science. Heart Rate Lesson Retaught.                 |
| Schools     |   |

## UNITO

|             |  |
|-------------|--|
| <b>Date</b> | <b>10th September 2014 (2 hours)</b>   |
| Programme   | Presentation of the FaSMEd Project (aims and methodology of the project)   |
| Schools     | Istituto Comprensivo di Carcare  |
| <b>Date</b> | <b>8th October 2014 (2 hours)</b>  |
| Programme   | Meeting with the teachers who will be engaged in the FaSMEd project to share some initial ideas on the activities to be carried out in the classes (number of activities, time to be devoted to each activity, role of the technology to support formative assessment)   |
| Schools     | Istituto Comprensivo di Vinovo (TO)  |
| <b>Date</b> | <b>24th October 2014 (2 hours)</b>   |
| Programme   | Analysis of possible activities to be carried out in the classes: presentation of the ArAI project, focus on the unit on the distributive law.   |
| Schools     | Istituto Comprensivo di Vinovo (TO)  |
| <b>Date</b> | <b>7th November 2014 (2 hours)</b>   |
| Programme   | First meeting with the teachers and the headmaster and Presentation of the FaSMEd Project (aims and methodology of the project)  |
| Schools     | Circolo SALGARI (Torino)   |
| <b>Date</b> | <b>13th November 2014 (2 hours)</b>  |
| Programme   | Analysis of possible activities to be carried out in the classes: presentation of the activity "Penelope" and of the ArAI Unit on sequences  |
| Schools     | Istituto Comprensivo di Vinovo (TO)  |
| <b>Date</b> | <b>19th November 2014 (2 hours)</b>  |
| Programme   | Analysis of possible activities to be carried out in the classes: presentation of the ArAI project, focus on the unit on sequences.  |
| Schools     | Circolo SALGARI (Torino)   |
| <b>Date</b> | <b>4th December 2014 (2 hours)</b>   |
| Programme   | Analysis of possible activities to be carried out in the classes: presentation of the ArAI project, focus on the units on the distributive law and on functions.   |
| Schools     | Istituto Comprensivo di Vinovo (TO)  |
| <b>Date</b> | <b>10th December 2014 (2 hours)</b>  |
| Programme   | Analysis of possible activities to be carried out in the classes: presentation of the activity "Penelope" and of the ArAI Unit on sequences  |
| Schools     | Circolo SALGARI (Torino)   |
| <b>Date</b> | <b>12th December 2014 (2 hours)</b>  |
| Programme   | Analysis of possible activities to be carried out in the classes: presentation of the ArAI project, focus on the unit on sequences and on the unit on functions.   |
| Schools     | Istituto Comprensivo di Carcare  |
| <b>Date</b> | <b>16th December 2014 (2 hours)</b>  |
| Programme   | Analysis of possible activities to be carried out in the classes: presentation of the ArAI unit on the distributive law. Formative assessment and technologies: presentation of the chosen technology (idm Tclass) and of its potentials for formative assessment. Examples of the possible use of connected classroom technologies to support formative assessment (adaptation of two activities from the ArAI project) |
| Schools     | Circolo SALGARI (Torino)   |

## UNITO team's school visits

|             |   |
|-------------|---|
| <b>Date</b> | <b>14th January 2015 (2 hours)</b>  |
| Programme   | Formative assessment and technologies: presentation of the chosen technology (idm Tclass) and of its potentials for formative assessment. Examples of the possible use of connected classroom technologies to support formative assessment (adaptation of two activities from the ArAI project)   |
| Schools     | Istituto Comprensivo di Vinovo (TO)   |
| <b>Date</b> | <b>11th February 2015 (2 hours)</b>   |
| Programme   | Formative assessment and technologies: presentation of the chosen technology (idm Tclass) and of its potentials for formative assessment. Examples of the possible use of connected classroom technologies to support formative assessment (adaptation of two activities from the ArAI project)   |
| Schools     | Istituto Comprensivo di Carcare   |
| <b>Date</b> | <b>9th March 2015 (3 hours)</b>   |
| Programme   | <ul style="list-style-type: none"> <li>– Brief excursus of the different activities presented in the previous meetings</li> <li>– Presentation of our adaptation of the FaSMEd “common activity” on functions and graphs</li> <li>– Analysis of a possible paths within which the common activity could be presented</li> <li>– The different data we are going to collect</li> <li>– Presentation of the UNITO version of the teacher report</li> <li>– Planning of future activities</li> </ul> |
| Schools     | All partners: Istituto Comprensivo di Vinovo (TO); Circolo SALGARI (Torino); Istituto Comprensivo di Carcare  |
| <b>Date</b> | <b>30th march 2015</b>  |
| Programme   | Training in the use of the IDM-Tclass software; examples of its use to support formative assessment - adaptation of some activities from the ArAI project (3 hours).  |
| Schools     | Istituto Comprensivo di Carcare   |
| <b>Date</b> | <b>10th April 2015</b>  |
| Programme   | Training in the use of the IDM-Tclass software; examples of its use to support formative assessment - adaptation of some activities from the ArAI project (2 hours).  |
| Schools     | Circolo Salgari   |
| <b>Date</b> | <b>10th April 2015</b>  |
| Programme   | Meeting with teachers to plan experimentations (2 hours).   |
| Schools     | Istituto Comprensivo di Carcare   |
| <b>Date</b> | <b>15th April 2015</b>  |
| Programme   | Training in the use of the IDM-Tclass software; examples of its use to support formative assessment - adaptation of some activities from the ArAI project (2 hours).  |
| Schools     | Istituto Comprensivo di Vinovo  |
| <b>Date</b> | <b>16th April 2015</b>  |
| Programme   | Introduction of IDM-Tclass software to the students of the lower secondary school “Istituto Comprensivo di Carcare” (4 hours).  |
| Schools     | Istituto Comprensivo di Carcare   |
| <b>Date</b> | <b>17th April 2015</b>  |
| Programme   | Introduction of IDM-Tclass software to the students of the lower secondary school “Istituto Comprensivo di Carcare” (3 hours).  |
| Schools     | Istituto Comprensivo di Carcare   |
| <b>Date</b> | <b>20th April 2015</b>  |
| Programme   | Training in the use of the IDM-Tclass software (2 hours).   |
| Schools     | Circolo Salgari   |



## UNITO team's school visits

|             |   |
|-------------|---|
| <b>Date</b> | <b>21st April 2015</b>  |
| Programme   | Training in the use of IDM-Tclass for the students of the Lower Secondary School "Antonio Gramsci" and of the Primary School "Giacomo Matteotti" (3 hours). |
| Schools     | Istituto Comprensivo di Vinovo  |
| <b>Date</b> | <b>21st April 2015</b>  |
| Programme   | Observation of three lessons in the Lower secondary School "Istituto Comprensivo di Carcare" (3 hours).   |
| Schools     | Istituto Comprensivo di Carcare   |
| <b>Date</b> | <b>22nd April 2015</b>  |
| Programme   | Observation of three lessons in the Lower secondary School "Istituto Comprensivo di Carcare" (3 hours).   |
| Schools     | Istituto Comprensivo di Carcare   |
| <b>Date</b> | <b>22nd April 2015</b>  |
| Programme   | Training to the use of IDM-Tclass for the students of the Primary school "Don Milani" and of the Lower Secondary School "Gioanetti" (6 hours).              |
| Schools     | Istituto Comprensivo di Vinovo  |
| <b>Date</b> | <b>23rd April 2015</b>  |
| Programme   | Training in the use of IDM-Tclass for the students of the Primary Schools "Emilio Salgari" and "Augusto Berta" (4 hours).                                   |
| Schools     | Circolo Salgari   |
| <b>Date</b> | <b>23rd April 2015</b>  |
| Programme   | Observation of two lessons in the Lower secondary School "Istituto Comprensivo di Carcare" (3 hours).   |
| Schools     | Istituto Comprensivo di Carcare   |
| <b>Date</b> | <b>4th May 2015</b>   |
| Programme   | Observation of four lessons in the Lower Secondary Schools "Antonio Gramsci" and "Gioanetti" and in the Primary School "Giacomo Matteotti" (8 hours).       |
| Schools     | Istituto Comprensivo di Vinovo  |
| <b>Date</b> | <b>4th May 2015</b>   |
| Programme   | Observation of one lesson in the Lower secondary School "Istituto Comprensivo di Carcare" (2 hours).  |
| Schools     | Istituto Comprensivo di Carcare   |
| <b>Date</b> | <b>7th May 2015</b>   |
| Programme   | Observation of two lessons in the Primary Schools "Emilio Salgari" and "Augusto Berta" (4 hours).   |
| Schools     | Circolo Salgari   |
| <b>Date</b> | <b>7th May 2015</b>   |
| Programme   | Observation of two lessons in the Lower secondary School "Istituto Comprensivo di Carcare" (4 hours).   |
| Schools     | Istituto Comprensivo di Carcare   |
| <b>Date</b> | <b>8th May 2015</b>   |
| Programme   | Observation of three lessons in the Primary Schools "Emilio Salgari" and "Don Milani" (6 hours).  |
| Schools     | Circolo Salgari & Istituto Comprensivo di Vinovo  |
| <b>Date</b> | <b>8th May 2015</b>   |
| Programme   | Observation of one lesson in the Lower secondary School "Istituto Comprensivo di Carcare" (2 hours).  |
| Schools     | Istituto Comprensivo di Carcare   |

## UNITO team's school visits

|             |   |
|-------------|---|
| <b>Date</b> | <b>11th May 2015</b>  |
| Programme   | Observation of four lessons in the Primary School "Don Milani" and in the Lower Secondary School "Antonio Gramsci" (4 hours).   |
| Schools     | Istituto Comprensivo di Vinovo  |
| <b>Date</b> | <b>11th May 2015</b>  |
| Programme   | Observation of one lesson in the Lower secondary School "Istituto Comprensivo di Carcare" (2 hours).  |
| Schools     | Istituto Comprensivo di Carcare   |
| <b>Date</b> | <b>12th May 2015</b>  |
| Programme   | Observation of three lessons in the Primary Schools "Emilio Salgari" and "Augusto Berta" and "Don Milani" (6 hours).  |
| Schools     | Circolo Salgari & Istituto Comprensivo di Vinovo  |
| <b>Date</b> | <b>12th May 2015</b>  |
| Programme   | Observation of one lesson in the Lower secondary School "Istituto Comprensivo di Carcare" and one lesson in the Lower secondary School "Istituto Comprensivo di Carcare"- sede di Altare (3 hours). |
| Schools     | Istituto Comprensivo di Carcare   |
| <b>Date</b> | <b>13th May 2015</b>  |
| Programme   | Observation of five lessons in the Primary Schools "Giacomo Matteotti" and "Don Milani" (10 hours).   |
| Schools     | Istituto Comprensivo di Vinovo  |
| <b>Date</b> | <b>14th May 2015</b>  |
| Programme   | Observation of three lessons in the Primary Schools "Don Milani" and "Emilio Salgari" (6 hours).  |
| Schools     | Circolo Salgari & Istituto Comprensivo di Vinovo  |
| <b>Date</b> | <b>14th May 2015</b>  |
| Programme   | Observation of two lessons in the Lower secondary School "Istituto Comprensivo di Carcare" (4 hours).   |
| Schools     | Istituto Comprensivo di Carcare   |
| <b>Date</b> | <b>15th May 2015</b>  |
| Programme   | Observation of three lessons in the Lower Secondary School "Gioanetti" and in the Primary School "Don Milani" (6 hours).  |
| Schools     | Istituto Comprensivo di Vinovo  |
| <b>Date</b> | <b>15th May 2015</b>  |
| Programme   | Observation of one lesson in the Lower secondary School "Istituto Comprensivo di Carcare" (2 hours).  |
| Schools     | Istituto Comprensivo di Carcare   |
| <b>Date</b> | <b>18th May 2015</b>  |
| Programme   | Observation of one lesson in the Lower Secondary School "Antonio Gramsci" (2 hours).  |
| Schools     | Istituto Comprensivo di Vinovo  |
| <b>Date</b> | <b>18th May 2015</b>  |
| Programme   | Observation of one lesson in the Lower secondary School "Istituto Comprensivo di Carcare" (2 hours).  |
| Schools     | Istituto Comprensivo di Carcare   |

## UNITO team's school visits

|             |   |
|-------------|---|
| <b>Date</b> | <b>19th May 2015</b>  |
| Programme   | Observation of three lessons in the Primary Schools "Don Milani", "Augusto Berta" and "Emilio Salgari" (6 hours).               |
| Schools     | Circolo Salgari & Istituto Comprensivo di Vinovo  |
| <b>Date</b> | <b>19th May 2015</b>  |
| Programme   | Observation of one lesson in the Lower secondary School "Istituto Comprensivo di Carcare" – sede di Altare (2 hours).           |
| Schools     | Istituto Comprensivo di Carcare   |
| <b>Date</b> | <b>20th May 2015</b>  |
| Programme   | Observation of two lessons in the Primary Schools "Don Milani" and "Emilio Salgari" (4 hours).                                  |
| Schools     | Circolo Salgari & Istituto Comprensivo di Vinovo  |
| <b>Date</b> | <b>21st May 2015</b>  |
| Programme   | Observation of two lessons in the Primary Schools "Don Milani" (4 hours).   |
| Schools     | Istituto Comprensivo di Vinovo  |
| <b>Date</b> | <b>21st May 2015</b>  |
| Programme   | Observation of two lessons in the Lower secondary School "Istituto Comprensivo di Carcare" (4 hours).                           |
| Schools     | Istituto Comprensivo di Carcare   |
| <b>Date</b> | <b>22nd May 2015</b>  |
| Programme   | Observation of three lessons in the Lower Secondary School "Gioanetti" and in the Primary School "Giacomo Matteotti" (6 hours). |
| Schools     | Istituto Comprensivo di Vinovo  |
| <b>Date</b> | <b>22nd May 2015</b>  |
| Programme   | Observation of two lessons in the Lower secondary School "Istituto Comprensivo di Carcare" (3 hours).                           |
| Schools     | Istituto Comprensivo di Carcare   |
| <b>Date</b> | <b>25th May 2015</b>  |
| Programme   | Observation of three lessons in the Lower Secondary School "Antonio Gramsci" and in the Primary School "Don Milani" (6 hours).  |
| Schools     | Istituto Comprensivo di Vinovo  |
| <b>Date</b> | <b>25th May 2015</b>  |
| Programme   | Observation of one lesson in the Lower secondary School "Istituto Comprensivo di Carcare" (2 hours).                            |
| Schools     | Istituto Comprensivo di Carcare   |
| <b>Date</b> | <b>26th May 2015</b>  |
| Programme   | Observation of two lessons in the Primary Schools "Augusto Berta" and "Emilio Salgari" (4 hours).                               |
| Schools     | Circolo Salgari   |
| <b>Date</b> | <b>26th May 2015</b>  |
| Programme   | Observation of one lesson in the Lower secondary School "Istituto Comprensivo di Carcare" – sede di Altare (2 hours).           |
| Schools     | Istituto Comprensivo di Carcare   |
| <b>Date</b> | <b>27th May 2015</b>  |
| Programme   | Observation of three lessons in the Primary Schools "Don Milani" and "Emilio Salgari" (6 hours).                                |
| Schools     | Circolo Salgari & Istituto Comprensivo di Vinovo  |

## UNITO team's school visits

|             |  |
|-------------|--|
| <b>Date</b> | <b>28th May 2015</b>   |
| Programme   | Observation of two lessons in the Primary School "Emilio Salgari" (4 hours).   |
| Schools     | Circolo Salgari  |
| <b>Date</b> | <b>29th May 2015</b>   |
| Programme   | Observation of three lessons in the Lower Secondary School "Gioanetti" and in the Primary School "Giacomo Matteotti" (6 hours).  |
| Schools     | Istituto Comprensivo di Vinovo   |
| <b>Date</b> | <b>29th May 2015</b>   |
| Programme   | Observation of one lesson in the Lower secondary School "Istituto Comprensivo di Carcare" (2 hours).   |
| Schools     | Istituto Comprensivo di Carcare  |
| <b>Date</b> | <b>3rd June 2015</b>   |
| Programme   | Interviews with students and focus group discussion with teachers (6 hours).   |
| Schools     | Istituto Comprensivo di Carcare  |
| <b>Date</b> | <b>28th September 2015</b>   |
| Programme   | Observation of three lessons in the Lower Secondary School "Gioanetti" and in the Primary School "Matteotti" (6 hours).  |
| Schools     | Istituto Comprensivo di Vinovo   |
| <b>Date</b> | <b>29th September 2015 (2 hours)</b>   |
| Programme   | SEMI-CLUSTER MEETING:<br><ul style="list-style-type: none"> <li>– Analysis of the re-design of some of the activities, carried out starting from the a-posteriori reflections developed after the first phase of the teaching experiments</li> <li>– Analyses of video recordings from the class experimentations</li> <li>– Planning for the tasks to be experimented.</li> </ul> |
| Schools     | Istituto Comprensivo di Carcare  |
| <b>Date</b> | <b>29th September 2015</b>   |
| Programme   | Observation of one lesson in the Primary School "Augusto Berta" (2 hours).   |
| Schools     | Circolo Salgari.   |
| <b>Date</b> | <b>1st October 2015</b>  |
| Programme   | Observation of one lesson in the Primary School "Emilio Salgari" (2 hours).  |
| Schools     | Circolo Salgari.   |
| <b>Date</b> | <b>5th October 2015</b>  |
| Programme   | Observation of three lessons in the Lower Secondary School "Gioanetti" and in the Primary School "Matteotti" (6 hours).  |
| Schools     | Istituto Comprensivo di Vinovo   |
| <b>Date</b> | <b>6th October 2015</b>  |
| Programme   | Observation of one lesson in the Primary School "Augusto Berta" (2 hours).   |
| Schools     | Circolo Salgari.   |
| <b>Date</b> | <b>12th October 2015</b>   |
| Programme   | Observation of two lessons in the Lower Secondary School "Gioanetti" (4 hours).  |
| Schools     | Istituto Comprensivo di Vinovo   |
| <b>Date</b> | <b>13th October 2015</b>   |
| Programme   | Observation of one lesson in the Primary School "Augusto Berta" (2 hours).   |
| Schools     | Circolo Salgari.   |
| <b>Date</b> | <b>13th October 2015</b>   |
| Programme   | Observation of two lessons in the Lower Secondary School "Mameli" (4 hours).   |
| Schools     | Istituto Comprensivo di Carcare.   |

## UNITO team's school visits

|             |   |
|-------------|---|
| <b>Date</b> | <b>19th October 2015</b>  |
| Programme   | Observation of two lessons in the Lower Secondary School "Gioanetti" (4 hours).   |
| Schools     | Istituto Comprensivo di Vinovo  |
| <b>Date</b> | <b>20th October 2015</b>  |
| Programme   | Observation of one lesson in the Primary School "Augusto Berta" (2 hours).  |
| Schools     | Circolo Salgari   |
| <b>Date</b> | <b>20th October 2015</b>  |
| Programme   | Observation of three lessons in the Lower Secondary School "Mameli" (4 hours).  |
| Schools     | Istituto Comprensivo di Carcare   |
| <b>Date</b> | <b>21st October 2015</b>  |
| Programme   | Observation of one lesson in the Primary School "Matteotti" (2 hours).  |
| Schools     | Istituto Comprensivo di Vinovo  |
| <b>Date</b> | <b>22nd October 2015</b>  |
| Programme   | Observation of one lesson in the Primary School "Emilio Salgari" (2 hours).   |
| Schools     | Circolo Salgari   |
| <b>Date</b> | <b>26th October 2015</b>  |
| Programme   | Observation of two lessons in the Lower Secondary School "Gioanetti" (4 hours).   |
| Schools     | Istituto Comprensivo di Vinovo  |
| <b>Date</b> | <b>26th October 2015</b>  |
| Programme   | Observation of two lessons in the Lower Secondary School "Mameli" (3 hours).  |
| Schools     | Istituto Comprensivo di Carcare   |
| <b>Date</b> | <b>27th October 2015</b>  |
| Programme   | Observation of one lesson in the Lower Secondary School "Mameli" (2 hours).   |
| Schools     | Istituto Comprensivo di Carcare   |
| <b>Date</b> | <b>27th October 2015</b>  |
| Programme   | Observation of one lesson in the Primary School "Augusto Berta" (2 hours).  |
| Schools     | Circolo Salgari   |
| <b>Date</b> | <b>28th October 2015</b>  |
| Programme   | Observation of one lesson in the Primary School "Emilio Salgari" (2 hours).   |
| Schools     | Circolo Salgari   |
| <b>Date</b> | <b>29th October 2015</b>  |
| Programme   | Observation of one lesson in the Primary School "Matteotti" (2 hours).  |
| Schools     | Istituto Comprensivo di Vinovo  |
| <b>Date</b> | <b>3rd November 2015</b>  |
| Programme   | Observation of one lesson in the Primary School "Augusto Berta" (2 hours).  |
| Schools     | Circolo Salgari   |
| <b>Date</b> | <b>3rd November 2015</b>  |
| Programme   | Observation of two lessons in the Lower Secondary School "Mameli" (3 hours).  |
| Schools     | Istituto Comprensivo di Carcare   |
| <b>Date</b> | <b>4th November 2015</b>  |
| Programme   | Observation of one lesson in the Primary School "Emilio Salgari" (2 hours).   |
| Schools     | Circolo Salgari   |
| <b>Date</b> | <b>5th November 2015</b>  |
| Programme   | Observation of one lesson in the Primary School "Matteotti" (2 hours).  |
| Schools     | Istituto Comprensivo di Vinovo  |
| <b>Date</b> | <b>9th November 2015</b>  |
| Programme   | Observation of three lessons in the Lower Secondary School "Gioanetti" and in the Primary School "Matteotti" (6 hours). |
| Schools     | Istituto Comprensivo di Vinovo  |

## UNITO team's school visits

|             |  |
|-------------|--|
| <b>Date</b> | <b>9th November 2015</b>   |
| Programme   | Observation of one lesson in the Lower Secondary School "Mameli" (2 hours).  |
| Schools     | Istituto Comprensivo di Carcare  |
| <b>Date</b> | <b>10th November 2015</b>  |
| Programme   | Observation of one lesson in the Lower Secondary School "Mameli" (2 hours).  |
| Schools     | Istituto Comprensivo di Carcare  |
| <b>Date</b> | <b>10th November 2015</b>  |
| Programme   | Observation of one lesson in the Primary School "Augusto Berta" (2 hours).   |
| Schools     | Circolo Salgari  |
| <b>Date</b> | <b>11th November 2015</b>  |
| Programme   | Observation of one lesson in the Primary School "Augusto Berta" (2 hours).   |
| Schools     | Circolo Salgari  |
| <b>Date</b> | <b>12th November 2015</b>  |
| Programme   | Observation of one lesson in the Primary School "Emilio Salgari" (2 hours).  |
| Schools     | Circolo Salgari  |
| <b>Date</b> | <b>13th November 2015</b>  |
| Programme   | Observation of one lesson in the Lower Secondary School "Mameli" (2 hours).  |
| Schools     | Istituto Comprensivo di Carcare  |
| <b>Date</b> | <b>16th November 2015</b>  |
| Programme   | Observation of one lesson in the Lower Secondary School "Mameli" (2 hours).  |
| Schools     | Istituto Comprensivo di Carcare  |
| <b>Date</b> | <b>16th November 2015</b>  |
| Programme   | Observation of three lessons in the Lower Secondary School "Gioanetti" and in the Primary School "Matteotti" (6 hours).  |
| Schools     | Istituto Comprensivo di Vinovo   |
| <b>Date</b> | <b>20th November 2015</b>  |
| Programme   | Observation of one lesson in the Lower Secondary School "Mameli" (2 hours).  |
| Schools     | Istituto Comprensivo di Carcare  |
| <b>Date</b> | <b>23rd November 2015</b>  |
| Programme   | Observation of one lesson in the Lower Secondary School "Mameli" (2 hours).  |
| Schools     | Istituto Comprensivo di Carcare  |
| <b>Date</b> | <b>23rd November 2015</b>  |
| Programme   | Observation of two lessons in the Lower Secondary School "Gioanetti" (4 hours).  |
| Schools     | Istituto Comprensivo di Vinovo   |
| <b>Date</b> | <b>24th November 2015</b>  |
| Programme   | Observation of one lesson in the Primary School "Augusto Berta" (2 hours).   |
| Schools     | Circolo Salgari  |
| <b>Date</b> | <b>24th November 2015</b>  |
| Programme   | Observation of one lesson in the Lower Secondary School "Mameli" (1 hour).   |
| Schools     | Istituto Comprensivo di Carcare  |
| <b>Date</b> | <b>24th November 2015</b>  |
| Programme   | SEMI-CLUSTER MEETING:<br>– Analysis of the re-design of some of the activities, carried out starting from the a-posteriori reflections developed after the first phase of the teaching experiments<br>– Analyses of video recordings from the class experimentations<br>– Planning for the tasks to be experimented. |
| Schools     | Istituto Comprensivo di Carcare  |

# UNITO team's school visits

|             |  |
|-------------|--|
| <b>Date</b> | <b>25th November 2015</b>  |
| Programme   | Observation of one lesson in the Primary School "Matteotti" (2 hours).   |
| Schools     | Istituto Comprensivo di Vinovo   |
| <b>Date</b> | <b>26th November 2015</b>  |
| Programme   | Observation of one lesson in the Primary School "Emilio Salgari" (2 hours).  |
| Schools     | Circolo Salgari  |
| <b>Date</b> | <b>30th November 2015</b>  |
| Programme   | Observation of two lessons in the Lower Secondary School "Gioanetti" (4 hours).  |
| Schools     | Istituto Comprensivo di Vinovo   |
| <b>Date</b> | <b>30th November 2015</b>  |
| Programme   | Observation of one lesson in the Lower Secondary School "Mameli" (2 hours).  |
| Schools     | Istituto Comprensivo di Carcare  |
| <b>Date</b> | <b>1st December 2015</b>   |
| Programme   | Q-storting and interviews with students and teachers in the Lower Secondary School "Mameli" (3 hours).                 |
| Schools     | Istituto Comprensivo di Carcare  |
| <b>Date</b> | <b>1st December 2015</b>   |
| Programme   | Observation of one lesson in the Primary School "Augusto Berta" (2 hours).   |
| Schools     | Circolo Salgari  |
| <b>Date</b> | <b>2nd December 2015</b>   |
| Programme   | Observation of one lesson in the Primary School "Emilio Salgari" (2 hours).  |
| Schools     | Circolo Salgari  |
| <b>Date</b> | <b>3rd December 2015</b>   |
| Programme   | Observation of one lesson in the Primary School "Matteotti" (2 hours).   |
| Schools     | Istituto Comprensivo di Vinovo   |
| <b>Date</b> | <b>9th December 2015</b>   |
| Programme   | Observation of two lessons in the Primary School "Augusto Berta" and in the Primary School "Emilio Salgari" (4 hours). |
| Schools     | Circolo Salgari  |
| <b>Date</b> | <b>10th December 2015</b>  |
| Programme   | Observation of one lesson in the Primary School "Matteotti" (2 hours).   |
| Schools     | Istituto Comprensivo di Vinovo   |
| <b>Date</b> | <b>11th December 2015</b>  |
| Programme   | Observation of one lesson in the Lower Secondary School "Mameli" (1 hour).   |
| Schools     | Istituto Comprensivo di Carcare  |
| <b>Date</b> | <b>15th December 2015</b>  |
| Programme   | Q-storting and interviews with students and teachers in the Primary school "Augusto Berta"                             |
| Schools     | Circolo Salgari  |
| <b>Date</b> | <b>15th December 2015</b>  |
| Programme   | Q-storting and interviews with students and teachers in the Lower Secondary School "Mameli" (3 hours).                 |
| Schools     | Istituto Comprensivo di Carcare  |
| <b>Date</b> | <b>16th December 2015</b>  |
| Programme   | Observation of one lesson in the Primary School "Emilio Salgari" (2 hours).  |
| Schools     | Circolo Salgari  |
| <b>Date</b> | <b>17th December 2015</b>  |
| Programme   | Q-storting and interviews with students and teachers in the Primary school "Matteotti" (3 hours).                      |
| Schools     | Istituto Comprensivo di Vinovo   |



## AIMSSEC

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| <b>Date</b>      | <b>2nd July 2014</b>   |
| <b>Programme</b> | PRELIMINARY MEETING TO INVITE TEACHERS TO JOIN<br>Introduction and ethical clearance forms – 5 minutes<br>Individual work on assessment questionnaire – 10 minutes<br>Whole group discussion about assessment – 5 minutes<br>Small group work on a formative assessment lesson – 40 minutes<br>Return to questionnaire -15 minutes<br>(see <a href="https://fasmedaimssec.wordpress.com/outreach/mt-22-at-stellenbosch/">https://fasmedaimssec.wordpress.com/outreach/mt-22-at-stellenbosch/</a> for details)                          |
| <b>Schools</b>   | Vuyiseka, Fairmount and many others not in the project   |
| <b>Date</b>      | <b>8th July 2014</b>   |
| <b>Programme</b> | PRELIMINARY MEETING TO INVITE TEACHERS TO JOIN<br>Introduction and ethical clearance forms – 5 minutes<br>Individual work on assessment questionnaire – 10 minutes<br>Whole group discussion about assessment – 5 minutes<br>Small group work on a formative assessment lesson (time-distance graphs) – 40 minutes<br>Return to questionnaire -15 minutes<br>(see <a href="https://fasmedaimssec.wordpress.com/outreach/amesa-in-kimberley/">https://fasmedaimssec.wordpress.com/outreach/amesa-in-kimberley/</a> for details)         |
| <b>Schools</b>   | Various (none decided to take part in the project)   |
| <b>Date</b>      | <b>23rd August 2014</b>  |
| <b>Programme</b> | PRELIMINARY MEETING TO INVITE TEACHERS TO JOIN<br>Introduction and ethical clearance forms – 5 minutes<br>Individual work on assessment questionnaire – 10 minutes<br>Whole group discussion about assessment – 5 minutes<br>Small group work on a formative assessment lesson (time-distance graphs) – 40 minutes<br>Return to questionnaire -15 minutes<br>(see <a href="https://fasmedaimssec.wordpress.com/outreach/amesa-in-kimberley/">https://fasmedaimssec.wordpress.com/outreach/amesa-in-kimberley/</a> for details)         |
| <b>Schools</b>   | Plumstead, Vuyiseka, South Peninsula   |
| <b>Date</b>      | <b>6th September 2014</b>  |
| <b>Programme</b> | PRELIMINARY MEETING TO INVITE TEACHERS TO JOIN<br>Introduction and ethical clearance forms – 5 minutes<br>Individual work on assessment questionnaire – 10 minutes<br>Whole group discussion about assessment – 5 minutes<br>Small group work on a formative assessment lesson (time-distance graphs) – 40 minutes<br>Return to questionnaire -15 minutes<br>About Fasmed – 30 minutes<br>(see <a href="https://fasmedaimssec.wordpress.com/outreach/amesa-at-ctli/">https://fasmedaimssec.wordpress.com/outreach/amesa-at-ctli/</a> ) |
| <b>Schools</b>   | Manzomthombo, Vista Nova, West Lake, Vredendal   |
| <b>Date</b>      | <b>30th October 2014</b>   |
| <b>Programme</b> | PRELIMINARY MEETING TO OUTLINE WHAT IS INVOLVED<br>1. Why are we all here? A bit about FaSMEd.<br>2. Introduction to the classroom activities – a hands-on session in pairs<br>3. The idea of a toolkit<br>4. Working with us – what is the commitment?  |
| <b>Schools</b>   | Manzomthombo, Vuyiseka, Vista Nova, Plumstead, South Peninsula, West Lake  |



# UNITO team's school visits

|             |  |
|-------------|--|
| <b>Date</b> | <b>18th November 2014</b>  |
| Programme   | PRELIMINARY MEETING TO OUTLINE WHAT IS INVOLVED <ol style="list-style-type: none"> <li>1. About FaSMEd</li> <li>2. Ethical forms</li> <li>3. Whole group discussion about assessment – 5 minutes</li> <li>4 Small group work on a formative assessment lesson (time-distance graphs)</li> <li>5. Becoming involved in FaSMEd</li> </ol> (see <a href="https://fasmedaimssec.wordpress.com/outreach/vredendal/">https://fasmedaimssec.wordpress.com/outreach/vredendal/</a> ) |
| Schools     | Vredendal  |
| <b>Date</b> | <b>22nd February 2015 to 16th March 2015</b>   |
|             | <b>(several meetings at different schools)</b>   |
| Programme   | Planning meetings for 'Properties of Exponents' lessons <ol style="list-style-type: none"> <li>1. Welcome</li> <li>2. Working through the activity</li> <li>3. Discussing possible modifications</li> <li>4. Working through the lesson plan</li> <li>5. Discussing the pre--lesson and post-lesson assessments</li> <li>6. Setting a date for the lesson</li> <li>7. Question</li> </ol>  |
| Schools     | Fairmount, Fish Hoek, Hyde Park, Manzomthombo, Plumstead, Rustenberg, Vuyiseka, West Lake  |
| <b>Date</b> | <b>5th March 2015</b>  |
| Programme   | Planning meeting for 'Positive and negative numbers in context' lessons <ol style="list-style-type: none"> <li>1. Welcome</li> <li>2. Working through the activity</li> <li>3. Discussing possible modifications</li> <li>4. Working through the lesson plan</li> <li>5. Discussing the pre--lesson and post-lesson assessments</li> <li>6. Setting a date for the lesson</li> <li>7. Questions</li> </ol>   |
| Schools     | South Peninsula School, Berenice Jardine and Adnaan Ederis   |
| <b>Date</b> | <b>10th March 2015, 21st March 2015</b>  |
| Programme   | Planning meetings for 'Interpreting equations' lessons <ol style="list-style-type: none"> <li>1. Welcome</li> <li>2. Working through the activity</li> <li>3. Discussing possible modifications</li> <li>4. Working through the lesson plan</li> <li>5. Discussing the pre--lesson and post-lesson assessments</li> <li>6. Setting a date for the lesson</li> <li>7. Questions</li> </ol>  |
| Schools     | South Peninsula, Vuyiseka  |
| <b>Date</b> | <b>16th April 2015</b>   |
| Programme   | Planning meeting for 'Interpreting equations' lesson and 'Possible triangle constructions' <ol style="list-style-type: none"> <li>1. Welcome</li> <li>2. Working through the activity</li> <li>3. Discussing possible modifications</li> <li>4. Working through the lesson plan</li> <li>5. Discussing the pre--lesson and post-lesson assessments</li> <li>6. Setting a date for the lesson</li> <li>7. Questions</li> </ol>  |
| Schools     | Vista Nova High School, Hanneke de Wet and Glen Birtles  |

## UNITO team's school visits

|             |  |
|-------------|--|
| <b>Date</b> | <b>21st April 2015</b>   |
| Programme   | Planning meeting for 'Garden design' lesson<br>1. Welcome<br>2. Working through the activity<br>3. Discussing possible modifications<br>4. Working through the lesson plan<br>5. Questions   |
| Schools     | Vredendal College, Zukile Mtongana, Rogan Pedro, George Chirume  |
| <b>Date</b> | <b>14th April 2015, 16th June 2015</b>   |
| Programme   | Planning meetings for 'Time-distance graphs' lesson<br>1. Welcome<br>2. Working through the activity<br>3. Discussing possible modifications<br>4. Working through the lesson plan<br>5. Questions   |
| Schools     | Fish Hoek High School, Greg Hawtrey; Rustenburg, Jane Behne; Manzomthombo, Memory Dizha  |
| <b>Date</b> | <b>11th May 2015</b>   |
| Programme   | Planning meetings for 'Equations and identities' lessons<br>1. Welcome<br>2. Working through the activity<br>3. Discussing possible modifications for the different classes<br>4. Working through the lesson plan<br>5. Questions                        |
| Schools     | Fairmount High School, Regis Magama and Jonathan Fischer   |
| <b>Date</b> | <b>19th May 2015 and 19th August 2015</b>  |
| Programme   | Planning meetings for 'Quadriaterals' lessons<br>1. Welcome<br>2. Working through the activity<br>3. Discussing possible modifications for the different classes<br>4. Working through the lesson plan<br>5. Questions                                   |
| Schools     | Fish Hoek High School, Rob Douglas; Hyde Park College; South Peninsula   |
| <b>Date</b> | <b>19th, 12th and 25th May 2015</b>  |
| Programme   | Planning meetings for 'Multiple representations of algebraic relations' lessons<br>1. Welcome<br>2. Working through the activity<br>3. Discussing possible modifications for the different classes<br>4. Working through the lesson plan<br>5. Questions |
| Schools     | Fish Hoek, West Lake, Vuyiseka   |
| <b>Date</b> | <b>25th May 2015</b>   |
| Programme   | Planning meeting for 'Garden Design' lesson<br>1. Welcome<br>2. Working through the activity<br>3. Discussing possible modifications<br>4. Working through the lesson plan<br>5. Questions   |
| Schools     | Vuyiseka, Zukile Sisilana  |

## UNITO team's school visits

|             |  |
|-------------|--|
| <b>Date</b> | <b>2nd June 2015</b>   |
| Programme   | Planning meeting for 'Costing models: baseball jerseys' lessons<br>1. Welcome<br>2. Working through the activity<br>3. Discussing possible modifications for the different classes<br>4. Working through the lesson plan<br>5. Questions |
| Schools     | Vredendal College, Zukile Mtongana, Rogan Pedro, George Chirume  |
| <b>Date</b> | <b>18th August 2015</b>  |
| Programme   | Planning meeting for 'Comparing investments' and 'Percentages' lessons<br>1. Welcome<br>2. Working through the activities<br>3. Discussing possible modifications<br>4. Working through the lesson plan<br>5. Questions                  |
| Schools     | Vuyiseka, Severino Sedeya and Zukile Sisilana  |
| <b>Date</b> | <b>20th August 2015</b>  |
| Programme   | Planning meeting for 'Trigonometry' lesson<br>1. Welcome<br>2. Working through the activity<br>3. Discussing possible modifications<br>4. Working through the lesson plan<br>5. Questions  |
| Schools     | West lake college, Joina Choimadzi   |
| <b>Date</b> | <b>26th August 2015</b>  |
| Programme   | Planning meeting for 'Straight line graphs' lesson<br>1. Welcome<br>2. Working through the activity<br>3. Discussing possible modifications<br>4. Working through the lesson plan<br>5. Questions  |
| Schools     | Fish Hoek, Rob Douglas   |
| <b>Date</b> | <b>28th August 2015</b>  |
| Programme   | Planning meeting for 'Mean, median, mode' and 'Grade 9 Revision' lessons<br>1. Welcome<br>2. Working through the activities<br>3. Discussing possible modifications<br>4. Working through the lesson plan<br>5. Questions                |
| Schools     | Fairmount, Jonathan Fischer and Regis Magama   |
| <b>Date</b> | <b>7th September 2015</b>  |
| Programme   | Planning meeting for 'Mean, median, mode' lesson<br>1. Welcome<br>2. Working through the activity<br>3. Discussing possible modifications<br>4. Working through the lesson plan<br>5. Questions  |
| Schools     | Vredendal College, Zukile Mtongana, George Chirume   |

## UNITO team's school visits

|             |   |
|-------------|---|
| <b>Date</b> | <b>19th October 2015</b>  |
| Programme   | Planning meeting for 'Grade 9 revision' lesson                  |
|             | 1. Welcome  |
|             | 2. Working through the activity                                 |
|             | 3. Discussing possible modifications                            |
|             | 4. Working through the lesson plan                              |
|             | 5. Questions  |
| Schools     | Manzomthombo, Hyde Park College                                 |
| <b>Date</b> | <b>20th November 2015</b>                                       |
| Programme   | Visit to school: Q-sort activity                                |
| Schools     | South Peninsula   |
| <b>Date</b> | <b>30th November 2015</b>                                       |
| Programme   | Visit to school: interview for the case study, Severino         |
| Schools     | Vuyiseka, Severino Sedeya                                       |
| <b>Date</b> | <b>1st December 2015</b>  |
| Programme   | Visit to school: interview for the case study, Berenice         |
| Schools     | South Peninsula, Berenice Jardine                               |
| <b>Date</b> | <b>27th November 2015</b>                                       |
| Programme   | Q-sort activity with students and interview Greg for case study |
| Schools     | Fish Hoek, Greg Hawtrey   |
| <b>Date</b> | <b>15th October 2015</b>  |
| Programme   | Visit to school: interview teacher on video                     |
| Schools     | South Peninsula, Berenice Jardine and Adnaan Ederies            |
| <b>Date</b> | <b>17th October 2015</b>  |
| Programme   | Visit to school: interview teacher on video                     |
| Schools     | West Lake, Joina Choimadzi                                      |
| <b>Date</b> | <b>21st October 2015</b>  |
| Programme   | Visit to school: interview teacher on video                     |
| Schools     | Fish Hoek High, Rob Douglas                                     |
| <b>Date</b> | <b>21st October 2015</b>  |
| Programme   | Visit to school: interview teacher on video                     |
| Schools     | Fairmount, Regis Magama   |
| <b>Date</b> | <b>22nd October 2015</b>  |
| Programme   | Visit to school: interview teacher on video                     |
| Schools     | Vuyiseka, Zukile Sisilana                                       |
| <b>Date</b> | <b>12th October 2015</b>  |
| Programme   | Visit to school: planning for the third cluster meeting         |
| Schools     | Vuyiseka, Severino Sedeya                                       |
| <b>Date</b> | <b>19th November 2015</b>                                       |
| Programme   | Visit to school: interview teacher on video                     |
| Schools     | Manzomthombo, Memory Dizha                                      |

## UU

|             |   |
|-------------|---|
| <b>Date</b> | <b>10th October 2014</b>  |
| Programme   | By e-mail: Explanation to the teacher of the aims and the use of the DME assessment environment: percentages<br>10.30h - 10.45h: Instruction to the students of how to work in the DME assessment environment and to use the auxiliary tools<br>10.45h - 11.30h: Students work individually in the DME assessment environment and do the mathematical problems with the optional auxiliary tools<br>12.00h - 13.00h: Teacher evaluates students' performance and strategy and the auxiliary tools the students used to solve the problems to find indications for further instruction in percentages  |
| Schools     | Pilot school (Prins Florisschool), class 7A (grade 5)   |
| <b>Date</b> | <b>17th October 2014</b>  |
| Programme   | By e-mail: Explanation to the teacher of the aims and the use of the DME assessment environment: percentages<br>10.30h - 10.45h: Instruction to the students of how to work in the DME assessment environment and to use the auxiliary tools<br>10.45h - 11.30h: Students work individually in the DME assessment environment and do the mathematical problems with the optional auxiliary tools<br>12.00h - 13.00h: Teacher evaluates students' performance and strategy and the auxiliary tools the students used to solve the problems to find indications for further instruction in percentages  |
| Schools     | Pilot school (Prins Florisschool), class 7B (grade 5)   |
| <b>Date</b> | <b>3rd December 2014</b>  |
| Programme   | By e-mail: Explanation to the teacher of the aims and the use of the DME assessment environment: percentages<br>10.30h - 10.45h: Instruction to the students in 8A of how to work in the DME assessment environment and to use the auxiliary tools<br>10.45h - 11.15h: Students work individually in the DME assessment environment and do the mathematical problems with the optional auxiliary tools<br>11.15h - 11.30h: Instructions to students in class 8B<br>11.30h - 12.00h: Students in class 8B work individually in DME<br>12.00h - 13.00h: Teacher evaluates students' performance and strategy and the auxiliary tools the students used to solve the problems to find indications for further instruction in percentages |
| Schools     | Pilot school (Prins Florisschool), class 8A and 8B (grade 6)  |
| <b>Date</b> | <b>10th December 2014</b>   |
| Programme   | 10.30h - 10.45h: Instruction to the students of class 8A of how to work in the DME assessment environment and to use the auxiliary tools for the mathematical domain of fractions<br>10.45h - 11.15h: Students in class 8A work individually in the DME assessment environment and do the mathematical problems with the optional auxiliary tools<br>11.15h - 11.30h: Instructions to class 8B<br>11.30h - 12.00h: Students in class 8B work individually in the DME<br>12.00h - 13.00h: Teacher evaluates students' performance and strategy and the auxiliary tools the students used to solve the problems to find indications for further instruction in fractions  |
| Schools     | Pilot school (Prins Florisschool), class 8A and 8B (grade 6)  |

# UU team's school visits

|             |   |
|-------------|---|
| <b>Date</b> | <b>9th April 2015</b>   |
| Programme   | <ol style="list-style-type: none"> <li>1. Introduction</li> <li>2. Questionnaires<br/>– completing the online forms</li> <li>3. Creating online accounts for the FA environment</li> <li>4. About FaSMEd</li> <li>5. About formative assessment</li> <li>6. Using the DAE</li> <li>7. About the assessed domains</li> <li>8. Getting started</li> </ol> |
| Schools     | Roald Dahl school, Sliedrecht; Henri Dunantschool Sliedrecht  |
| <b>Date</b> | <b>16th April 2015</b>  |
| Programme   | <ol style="list-style-type: none"> <li>1. Introduction</li> <li>2. Questionnaires<br/>– completing the online forms</li> <li>3. Creating online accounts for the FA environment</li> <li>4. About FaSMEd</li> <li>5. About formative assessment</li> <li>6. Using the DAE</li> <li>7. About the assessed domains</li> <li>8. Getting started</li> </ol> |
| Schools     | Anne Frankschool, Papendrecht   |
| <b>Date</b> | <b>19th May 2015</b>  |
| Programme   | <ol style="list-style-type: none"> <li>1. Evaluation of activities so far</li> <li>2. Ahead with the DAE</li> <li>3. Subject domains to be assessed</li> <li>4. Future planning and data collection</li> <li>5. Ending and questions</li> </ol>   |
| Schools     | Ronald Dahl school, Sliedrecht; Anne Frankschool Papendrecht  |
| <b>Date</b> | <b>18th June 2015</b>   |
| Programme   | <ol style="list-style-type: none"> <li>1. Evaluation of activities of previous weeks</li> <li>2. Evaluation of FA experiences</li> <li>3. Rounding off the study: last points of interest</li> </ol>  |
| Schools     | Anne Frankschool Papendrecht  |
| <b>Date</b> | <b>23rd June 2015</b>   |
| Programme   | Observation of a discussion lesson about last weeks's activities on graphs  |
| <b>Date</b> | <b>30th June 2015</b>   |
| Programme   | Observation of a follow-up activity of last week's discussion on graphs   |
| Schools     | Anne Frankschool Papendrecht  |
| <b>Date</b> | <b>30th June 2015</b>   |
| Programme   | Small group discussion about mathematics and ICT in mathematics using Q-sorting cards   |
| Schools     | Anne Frankschool Papendrecht  |
| <b>Date</b> | <b>2nd September 2015</b>   |
| Programme   | Introductory meeting of large-scale FaSMEd UU study: Introduction to FA, working with the DAE, percentages, fractions.  |
| Schools     | De Horizon (Amstelveen)   |
| <b>Date</b> | <b>2nd September 2015</b>   |
| Programme   | Introductory meeting of large-scale FaSMEd UU study: Introduction to FA, working with the DAE, percentages, fractions.  |
| Schools     | De Poolster (Nieuw-Roden), De Wierde (Winsum)   |

# UU team's school visits

|             |   |
|-------------|---|
| <b>Date</b> | <b>9th September 2015</b>   |
| Programme   | Introductory meeting of large-scale FaSMEd UU study: Introduction to FA, working with the DAE, percentages, fractions.                            |
| Schools     | De Postiljon (Soesterberg), De Tweesprong (Maarssen), Josefschool (Culemborg), ASV Daltonschoon (Amersfoort)                                      |
| <b>Date</b> | <b>10th September 2015</b>  |
| Programme   | Introductory meeting of large-scale FaSMEd UU study: Introduction to FA, working with the DAE, percentages, fractions.                            |
| Schools     | Vreewijkschool (Rotterdam), Kon. Julianaschool (Heerjansdam), 't Palet Holy (Vlaardingen), De Meerpaal (Zoetermeer), Het Kompas (Stellendam)      |
| <b>Date</b> | <b>22nd September 2015</b>  |
| Programme   | Introductory meeting of large-scale FaSMEd UU study: Introduction to FA, working with the DAE, percentages, fractions.                            |
| Schools     | Paulus (Castricum), De Windroos (Lelystad), Kabas (Franeker)  |
| <b>Date</b> | <b>30th September 2015</b>  |
| Programme   | Introductory meeting of large-scale FaSMEd UU study: Introduction to FA, working with the DAE, percentages, fractions.                            |
| Schools     | De Driestam (Eindhoven), 't Hout (Helmond), De Touw ladder (St Michielsgestel), Antonius (Heusden), D'n Heiakker (Deurne), Irisschool (Terneuzen) |
| <b>Date</b> | <b>30th September 2015</b>  |
| Programme   | Introductory meeting of large-scale FaSMEd UU study: Introduction to FA, working with the DAE, percentages, fractions.                            |
| Schools     | De Rank (Toldijk), Pius X (Haaksbergen), 't Bijenveld (Leuth), Walien (Winterswijk Huppel)  |
| <b>Date</b> | <b>1st October 2015</b>   |
| Programme   | Introductory meeting of large-scale FaSMEd UU study: Introduction to FA, working with the DAE, percentages, fractions.                            |
| Schools     | Alfonsusschool (Enschede)   |
| <b>Date</b> | <b>27 October 2015</b>  |
| Programme   | Progress meeting of large-scale FaSMEd UU study: Evaluation of percentages and fractions, and introduction to metric system and graphs.           |
| Schools     | De Poolster (Nieuw-Roden), De Wierde (Winsum), Kabas (Franeker)   |
| <b>Date</b> | <b>28 October 2015</b>  |
| Programme   | Progress meeting of large-scale FaSMEd UU study: Evaluation of percentages and fractions, and introduction to metric system and graphs.           |
| Schools     | De Horizon (Amstelveen)   |
| <b>Date</b> | <b>4th November 2015</b>  |
| Programme   | Progress meeting of large-scale FaSMEd UU study: Evaluation of percentages and fractions, and introduction to metric system and graphs.           |
| Schools     | De Postiljon (Soesterberg), De Tweesprong (Maarssen), Josefschool (Culemborg), ASV Daltonschoon (Amersfoort)                                      |
| <b>Date</b> | <b>5th November 2015</b>  |
| Programme   | Progress meeting of large-scale FaSMEd UU study: Evaluation of percentages and fractions, and introduction to metric system and graphs.           |
| Schools     | Vreewijkschool (Rotterdam), Kon. Julianaschool (Heerjansdam), 't Palet Holy (Vlaardingen), De Meerpaal (Zoetermeer), Het Kompas (Stellendam)      |
| <b>Date</b> | <b>11 November 2015</b>   |
| Programme   | Progress meeting of large-scale FaSMEd UU study: Evaluation of percentages and fractions, and introduction to metric system and graphs.           |
| Schools     | De Driestam (Eindhoven), 't Hout (Helmond), De Touw ladder (St Michielsgestel), Antonius (Heusden), D'n Heiakker (Deurne), Irisschool (Terneuzen) |

# UU team's school visits

|             |   |
|-------------|---|
| <b>Date</b> | <b>11 November 2015</b>   |
| Programme   | Progress meeting of large-scale FaSMEd UU study: Evaluation of percentages and fractions, and introduction to metric system and graphs. |
| Schools     | De Rank (Toldijk), 't Bijenveld (Leuth), Walien (Winterswijk Huppel)  |
| <b>Date</b> | <b>1st December 2015</b>  |
| Programme   | Observation of lesson graphs, q-sorting activity, teacher interview   |
| Schools     | Kabas (Franeker)  |
| <b>Date</b> | <b>8th December 2015</b>  |
| Programme   | Observation of lesson graphs  |
| Schools     | Kabas (Franeker)  |



## DUE

|             |   |
|-------------|---|
| <b>Date</b> | <b>14th August 2014</b>   |
| Programme   | Introducing FaSMEd project:<br>- aims<br>- partners<br>- materials<br>- technology<br><br>Discussion of school background:<br>- students achievement levels<br>- technology<br>- social background<br>- teacher's experiences with assessment   |
| Schools     | Gesamtschule Bockmühle Essen  |
| <b>Date</b> | <b>19th February 2015</b>   |
| Programme   | Presentation of second classroom material for biology ("sweet or sour").<br>Encouragement and advice of how to use materials in science classrooms while experimenting.<br>Presentation of translated assessment lessons for mathematics.<br>Advice on how to teach an assessment lesson and on how to plan an assessment lesson based on the diagnostic task from the self-assessment materials. |
| Schools     | Gesamtschule Bockmühle, Sophie-Scholl-Gesamtschule, Schönstätter Marienschule, Clara Schumann Gymnasium   |
| <b>Date</b> | <b>25th March 2015</b>  |
| Programme   | Discussion of students' work with the pen & paper version of the math self assessment.<br>Collection of ideas for Improvement.  |
| Schools     | Gesamtschule Bockmühle, Clara Schumann, Gymnasium   |
| <b>Date</b> | <b>16th April 2015</b>  |
| Programme   | Comparison of JACK and TI NSpire version of self-assessment in mathematics.<br>Collection of necessary changes in the TI version especially concerning the collection of student data for the teacher   |
| Schools     | Gesamtschule Bockmühle, Sophie-Scholl-Gesamtschule, Clara Schumann Gymnasium  |
| <b>Date</b> | <b>11th June 2015</b>   |
| Programme   | Trial and Discussion of newest TI NSpire version of self-assessment material in maths.<br>Discussion of the biology lesson plans and assessment cards   |
| Schools     | Gesamtschule Bockmühle,<br>Schönstätter Marienschule Borken   |
| <b>Date</b> | <b>20th July 2015</b>   |
| Programme   | observation and discussion on students' work with pen & paper version of self assessment  |
| Schools     | Clara Schumann Gymnasium, Schönstätter Marienschule Borken  |
| <b>Date</b> | <b>31st August 2015</b>   |
| Programme   | Analysis/Revision of latest build of TI-NSpire version of maths self-assessment tool, improvements needs to made on how the tool stores data for the teacher  |
| Schools     | Sophie-Scholl-Gesamtschule, Clara Schumann Gymnasium, Gesamtschule Bockmühle  |

## DUE team's school visits

|             |  |
|-------------|--|
| <b>Date</b> | <b>14th September 2015</b>   |
| Programme   | Introduction of the self-assessment cards for the Biology activities "who has the juiciest apple?" and "sweet or sour" in digital form (using powerpoint).<br>Discussion on usefulness of using technology compared to pen-and-paper cards during experiments in scientific classrooms |
| Schools     | Schönstätter Marienschule, Gesamtschule Uerdingen, Clara Schumann Gymnasium  |
| <b>Date</b> | <b>12th October 2015</b>   |
| Programme   | Introduction of the FaSMEd Framework to the teachers.<br>Theory about formative assessment strategies and functionalities of technology.<br>Discussion about where to place the TI-Nspire tool for self-assessment in Mathematics within the Framework                                 |
| Schools     | Gesamtschule Bockmühle, Clara Schumann Gymnasium   |
| <b>Date</b> | <b>23th November 2015</b>  |
| Programme   | Planning of Case study (Biology), Setting of lesson plan, organisation   |
| Schools     |  |
| <b>Date</b> | <b>3rd December 2015</b>   |
| Programme   | Planning of Case study (maths), setting of lesson plan, organisation   |
| Schools     | Heinrich-Plattberg-Realschule & Geschwister-Scholl-Gesamtschule, Moers   |
| <b>Date</b> | <b>17th December 2015</b>  |
| Programme   | single student interviews with self-assessment cards (maths, grade 8)<br>classroom observation   |
| Schools     | Clara-Schumann-Gymnasium   |
| <b>Date</b> | <b>3rd November 2015</b>   |
| Programme   | student partner interviews with self-assessment cards (maths, grade 8)<br>classroom observation  |
| Schools     | Gesamtschule Bockmühle   |
| <b>Date</b> | <b>31st August 2015</b>  |
| Programme   | whole class observation of students working in pairs on a first draft of the digital self-assessment tool (maths, grade 10)<br>classroom observation   |
| Schools     | Gesamtschule Bockmühle   |
| <b>Date</b> | <b>27th November 2015</b>  |
| Programme   | Case Study Biology<br>classroom observation of lesson "who has the juiciest apple?" with use of self-assessment cards on iPads<br>Q-sorting & student interviews (biology, 2 classes, 7th grade)   |
| Schools     | Gesamtschule Uerdingen   |
| <b>Date</b> | <b>21st December 2015</b>  |
| Programme   | Case Study Maths<br>classroom observation and single student interviews with digital self-assessment tool as well as Q-sorting & student interviews (maths, 2 classes, grade 10)   |
| Schools     | Heinrich-Plattberg-Realschule & Geschwister Scholl Gesamtschule, Moers   |

## HiST

|             |   |
|-------------|---|
| <b>Date</b> | <b>27th October 2014</b>  |
| Programme   | Meeting with the rector, math&science group leaders, maths and science teachers, master students. Introduction to the Fasmed project. The needs of the school and what HIST and Fasmed can offer.   |
| Schools     | Saupstad  |
| <b>Date</b> | <b>4th December 2014</b>  |
| Programme   | 1) Information about the Fasmed project: what is it all about 2) Plans and demands: when shall we meet and which expectations do we have to the participants 3) Web resources 4) Technology and formative assessment 5) Experiences from use of technology in the partner schools 6) Where do we go from here: plans for the next steps |
| Schools     | Saupstad, Strindheim, Tonstad, Birrale  |
| <b>Date</b> | <b>13th April 2015</b>  |
| Programme   | School visit. Observation of design and redesign of formative assessment lesson using Kahoot  |
| Schools     | Saupstad  |
| <b>Date</b> | <b>12th May 2015</b>  |
| Programme   | School visit. Observation of redesigned lesson for lower achievers. Interviews of students  |
| Schools     | Saupstad  |
| <b>Date</b> | <b>22nd May 2015</b>  |
| Programme   | School visit. Lesson observation. q-sorting activity for pupils (lower achievers)   |
| Schools     | Saupstad  |
| <b>Date</b> | <b>26th March 2015</b>  |
| Programme   | School visit. Lesson study observation  |
| Schools     | Birrale   |
| <b>Date</b> | <b>27th March 2015</b>  |
| Programme   | School visit. Follow up lesson study  |
| Schools     | Birrale   |
| <b>Date</b> | <b>28th May 2015</b>  |
| Programme   | School visit. Interviews and q-sorting activities with pupils (mixed group)   |
| Schools     | Birrale   |
| <b>Date</b> | <b>26th March 2015</b>  |
| Programme   | School visit. Lesson study observation  |
| Schools     | Strindheim  |
| <b>Date</b> | <b>21st May 2015</b>  |
| Programme   | School visit. Design/redesign observation. Interviews with students.  |
| Schools     | Strindheim  |
| <b>Date</b> | <b>22nd May 2015</b>  |
| Programme   | School visit. Follow up lesson study cycle.   |
| Schools     | Strindheim  |
| <b>Date</b> | <b>18th June 2015</b>   |
| Programme   | School visit. Q-sorting with pupils.  |
| Schools     | Strindheim  |
| <b>Date</b> | <b>12th May 2015</b>  |
| Programme   | School visit and observation. Lesson with 8 pupils (low achievers). Interview with 4 students after the lesson.   |
| Schools     | Saupstad  |

# HiST team's cluster meetings and school visits

|             |   |
|-------------|---|
| <b>Date</b> | <b>21st May 2015</b>  |
| Programme   | Cluster meeting/lesson study observation. Redesigned lesson from Birralee to Strindheim (7th grade).  |
| Schools     | Strindheim, Birralee  |
| <b>Date</b> | <b>22nd May 2015</b>  |
| Programme   | Q-sorting   |
| Schools     | Saupstad  |
| <b>Date</b> | <b>17th September 2015</b>  |
| Programme   | Cluster meeting. working with graph software: Desmos. Walking-a-graph   |
| Schools     | Strindheim, Birralee  |
| <b>Date</b> | <b>15th October 2015</b>  |
| Programme   | School visit. 8 students working with graphs (6th grade). Walk-a-graph software + time/distance - matching graph and story activity                   |
| Schools     | Strindheim  |
| <b>Date</b> | <b>11/19/2015</b>   |
| Programme   | School visit. 11 students working with graphs (6th grade, lower achievers). Walk-a-graph software + time/distance - matching graph and story activity |
| Schools     | Strindheim  |