

MC4VED Fabrication taillée pour la formation professionnell

DE/09/LLP-LdV/TOI/147203

<http://www.adam-europe.eu/adam/project/view.htm?prj=5443>

Information sur le projet

Titre: MC4VED Fabrication taillée pour la formation professionnell

Code Projet: DE/09/LLP-LdV/TOI/147203

Année: 2009

Type de Projet: Projets de transfert d'innovation

Statut: Clôturé

Pays: DE-Allemagne

Accroche marketing: ANALYSE DES BESOINS: L'étude OCDE «L'école de demain, en formation personnalisée» a souligné l'importance croissante de l'apprentissage personnalisé dans la discussion politique de l'éducation pour l'avenir. TRANSFER: Pourtant l'industrie a trouvé une solution avec la stratégie de MC. Des offres et produits adaptés aux besoins sont réclamés par des clients et ils ne sont pas offerts en grande quantité par le producteur. APPROCHE DIDACTIQUE: Cette transformation de l'apprentissage «ordonné» à un apprentissage adapté à des besoins personnalisés était soutenue par des éléments pédagogiques et neuroscientifiques et par la théorie des systèmes et on l'a conseillée à l'attribuer à l'éducation. La clé du succès était le nouveau rôle de l'enseignant: il fournissait non seulement des connaissances mais il contrôlait en même temps le processus d'apprentissage et il organisait la médiation des connaissances selon le besoin de l'apprenant. Le nouveau rôle était plutôt celui d'un accompagnateur et d'un précurseur de l'enseignement pour acquérir des connaissances. OBJECTIF DU PROJET: Le projet avait visé à initier des processus pour demander des connaissances comme un projet pilote dans les établissements scolaires publics en transférant les stratégies-MC et les expériences de l'industrie à l'éducation. (fabrication taillée en mesure pour la formation professionnelle)

Résumé: Analyse de besoin:

Selon l'étude de l'OCDE « L'école de demain, formation individualisée », l'apprentissage individualisé est dérivé du procès de la production industrielle qui s'oriente au besoin et il est transféré dans la formation professionnelle.

Approche didactique:

Le développement de l'apprentissage programmé à l'apprentissage individualisé et orienté sur le besoin était accepté à cause des connaissances sur le plan de la pédagogie, la théorie des systèmes et la neurologie et était absolument conseillé.

Dans ce cas, le nouveau rôle du professeur comme accompagnateur de l'apprentissage était décisif; autrefois il avait seulement fourni l'éducation et avait en même temps contrôlé le procès de l'apprentissage, mais aujourd'hui il organise la transmission des connaissances selon les besoins de l'apprenant.

Le but du projet:

Des procès d'exigence de savoir étaient initiés et étaient introduits dans des écoles publiques comme projets pilotes, dans lesquels on transférait les stratégies MC et les expériences industrielles dans l'éducation. (La fabrication sur mesures pour la formation professionnelle).

But maître:

Des répercussions positives sur l'objectif lisbonnais (la réduction des décrocheurs de l'école et l'augmentation de l'intérêt pour l'apprentissage à vie) étaient aspirées.

Description: Des stratégies co-créatives et orientées vers les besoins des clients, qui sont appliqués par des entreprises pour les modèles de coopération fortement individualisés, permettaient des conditions cadres holistiques afin d'intégrer systématiquement les connaissances les plus récentes de la neurologie et des techniques de communication modernes. Le scénario d'apprentissage qui s'orientait vers le besoin individuel, intégré dans un cadre orienté client (MC4VED), avait été développé par Festo qui l'avait réalisé avec succès dans le domaine industriel non seulement dans la formation à vie dans l'entreprise, mais aussi dans des projets d'apprentissage à formes libre.

La production orienté client était défini dans ce contexte comme un procès de

Information sur le projet

production et de service développé en coopération avec le client, ce qui satisfaisait les besoins de chaque client considérant certains propriétés du produit. Toutes les procédures se déroulaient dans un certain domaine de solution qui se caractérisait par des procès individualisés stables, mais aussi flexibles.

Les cinq phases de travail du projet:

(1) L'initialisation, (2) la préparation pour chaque partenaire, (3) l'échange d'expériences d'apprentissage, (4) la réalisation chez les partenaires, (5) l'intégration des résultats finaux chez chaque institution partenaire.

Selon les besoins, il y avait un entraînement des professeurs auprès des partenaires, qui travaillent comme réalisateur et multiplicateur de processus de MC dans leurs institutions de formation et d'apprentissage. Le partenaire industriel Festo rapportait son expérience et son concept MC. Le partenaire hollandais, le 'Deltion Collège' de Zwolle, apportait un réseau d'institutions de formation à vie. Le partenaire autrichien, une école professionnelle, rapporte ses expériences qui ressemblaient à l'MC. Le partenaire danois n'apportait pas seulement d'excellentes expériences pédagogiques, mais aussi des expériences nuancées dans le domaine du travail de formation international. Le partenaire slovène, une institution de la formation et l'apprentissage professionnelle, était fortement intégré dans le procès de réforme du système slovène de la formation et l'apprentissage professionnelle. Conjointement avec Festo, l'Académie du Land Esslingen comme organisme responsable du projet était responsable de la formation continue des professeurs, l'accompagnement académique et la documentation des résultats du projet.

Thèmes: *** Qualité
*** Développement durable
*** Formation tout au long de la vie
** Formation continue

Sectors: *** Enseignement
** Information et Communication

Types de Produit: Autres
Programme/curriculum
Site Internet
Matériel d'apprentissage
Modules

Information sur le produit: In each country pilot projects running a year were provided for vocational education and dissemination to train for cooperative and co-creative, outcome-oriented and self-reliant learning processes.
Within phase 2 of the project, in April 2010 15 Dutch teachers were trained in MC at the Landesakademie Esslingen .
In project phase 2 case studies were developed and tried out in each partner institution and the experiences and results were exchanged in project phase 3 in June 2010 in Zwolle, Netherlands.
The learning results of the cases were designed in modules which were implemented in each partner institution.
All project activities and results were documented on the project webpage, the national websites of the partners and in a booklet.

Page Web du projet: <http://www.mc4ved.org/>

Contractant du projet

Nom: Landesakademie für Fortbildung und Personalentwicklung an Schulen, Esslingen
Ville: Esslingen-Zell
Pays/Région: Stuttgart
Pays: DE-Allemagne
Type d'organisation: Institution de formation continue
Site Internet: <http://www.lehrerfortbildung-bw.de>

Personne de contact

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Coordinateur

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Pays: DE-Allemagne
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Site internet: <http://www.lehrerfortbildung.de>

Partenaire

Partner 1

Nom: KøgeBusiness College
Ville: Køge
Pays/Région: Kobenhaven og Frederiksberg Kommuner
Pays: DK-Danemark
Type d'organisation: Formation initiale
Site Internet: <http://www.khs.dk>

Partner 2

Nom: Technical School Centre Nova Gorica
Ville: Nova Gorica
Pays/Région: Slovenija
Pays: SL-Slovénie
Type d'organisation: Formation initiale
Site Internet: <http://www.s-tsc.ng.edus.si>

Partner 3

Nom: Fachberufsschule Villach 1
Ville:
Pays/Région: Carinthia
Pays: AT-Autriche
Type d'organisation: Formation initiale
Site Internet: <http://www.berufsschulevillach.at>

Partner 4

Nom: Deltion College
Ville: Zwolle
Pays/Région: Overijssel
Pays: NL-Pays-Bas
Type d'organisation: Formation initiale
Site Internet: <http://www.deltion.nl>

Partenaire

Partner 5

Nom: FESTO AG & Co. KG
Ville: Esslingen
Pays/Région: Baden Württemberg
Pays: DE-Allemagne
Type d'organisation: Organisation d'employeurs
Site Internet: http://www.festo.com/cms/de_de

Données du projet

1.1-MC4VED-Project Plan _ 2011_02_21.pdf

http://www.adam-europe.eu/prj/5443/prj/1.1-MC4VED-Project%20Plan%20_%202011_02_21.pdf

workplan for the whole lifetime of the project

4 IK izpitni katalog SPI-Mehatronik operater.pdf

<http://www.adam-europe.eu/prj/5443/prj/4%20IK%20izpitni%20katalog%20SPI-Mehatronik%20operater.pdf>

4 IK izpitni katalog SPI-Mehatronik operater

ANALIZA MODULOV 2006 - _2009-10-mizar.pdf

http://www.adam-europe.eu/prj/5443/prj/ANALIZA%20MODULOV%202006%20-_2009-10-mizar.pdf

ANALIZA MODULOV 2006 - _2009-10-mizar

Attachment for C.4_Skizze work plan.pdf

http://www.adam-europe.eu/prj/5443/prj/Attachment%20for%20C.4_Skizze%20work%20plan.pdf

Sketch of the different project phases according to the workplan of the project

catalogue of knowledge.pdf

<http://www.adam-europe.eu/prj/5443/prj/catalogue%20of%20knowledge.pdf>

Curriculum analysis in mechatronics at Technical College Nova Gorica, SI

DELTION College - Leonardo Newsflash, ENG.pdf

<http://www.adam-europe.eu/prj/5443/prj/DELTION%20College%20-%20Leonardo%20Newsflash%20ENG.pdf>

Newspaper article published in Zwolle, NL, and the Deltion College website about a visit of 14 vocational teachers from Deltion College to Germany to be trained in the innovative method of customized learning in vocational education.

Executive project description-DK.pdf

<http://www.adam-europe.eu/prj/5443/prj/Executive%20project%20description-DK.pdf>

Executive project description of DK

Executive project description-NL.pdf

<http://www.adam-europe.eu/prj/5443/prj/Executive%20project%20description-NL.pdf>

Executive project description of NL

Executive project description-SI.pdf

<http://www.adam-europe.eu/prj/5443/prj/Executive%20project%20description-SI.pdf>

Executive project description of SI

F.2.11.1 - Cases Køge.pdf

<http://www.adam-europe.eu/prj/5443/prj/F.2.11.1%20-%20Cases%20K%C3%B8ge.pdf>

Pilot cases for Køge Business College

F.2.13.1 - first case.pdf

<http://www.adam-europe.eu/prj/5443/prj/F.2.13.1%20-%20first%20case.pdf>

Pilot case for FBS Villach 1, AT

Données du projet

F.2.22 -.mp4

<http://www.adam-europe.eu/prj/5443/prj/F.2.22%20-.mp4>

F.2.2-Projektinfolyer_mc4ved_web.pdf

http://www.adam-europe.eu/prj/5443/prj/F.2.2-Projektinfolyer_mc4ved_web.pdf

Projectinfo Flyer

F.2.6.2 - Basic Car ENd.pdf

<http://www.adam-europe.eu/prj/5443/prj/F.2.6.2%20-%20Basic%20Car%20ENd.pdf>

Presentation of a module in Mechanical Engineering

F.2.6.3 - Flying Dutchman.pdf

<http://www.adam-europe.eu/prj/5443/prj/F.2.6.3%20-%20Flying%20Dutchman.pdf>

detailed module structure for imlementation in class

F.2.9 - Brochure_Education your way_Deltion_ENG_2011-2012.pdf

http://www.adam-europe.eu/prj/5443/prj/F.2.9%20-%20Brochure_Education%20your%20way_Deltion_ENG_2011-2012.pdf

Brochure describing the new concept "Eudation your way" at Deltion College in Zwolle

Implementation of MC-Learning for future office clerks - FBS Villach 1, AT.doc

<http://www.adam-europe.eu/prj/5443/prj/Implementation%20of%20MC-Learning%20for%20future%20office%20clerks%20-%20FBS%20Villach%201%20C%20AT.doc>

Executive project description of AT

lak_jahresbericht_online.pdf

http://www.adam-europe.eu/prj/5443/prj/lak_jahresbericht_online.pdf

Annual report of the state academy for teacher training and humn resources development at schools in Baden-Württemberg, here p.19, p.42-43

mc4ved-handbook_web.pdf

http://www.adam-europe.eu/prj/5443/prj/mc4ved-handbook_web.pdf

Handbook MC4VED

MC for Individualized Life-long Learning_needs, design, implementation.pdf

http://www.adam-europe.eu/prj/5443/prj/MC%20for%20Individualized%20Life-long%20Learning_needs%20C%20design%20C%20implementation.pdf

Article about MassCustomization for Individualized Life-long Learning: Needs, Design and Implementation

by Hermann Klinger,

Festo AG & Co. KG Esslingen, kli@de.Festo.com

Alexander Benz,

Ludwig-Maximilians-University Munich, ABEZ@applied-knowing.org

modul analysis 2006 - _2009-10-joiner.pdf

http://www.adam-europe.eu/prj/5443/prj/modul%20analysis%202006%20-_2009-10-joiner.pdf

Curriculum analysis in joinery,carpentry at Technical College Nova Gorica, SI

Données du projet

Piller_MC_Gabler_4Auflage.pdf

http://www.adam-europe.eu/prj/5443/prj/Piller_MC_Gabler_4Auflage.pdf

Article by Frank Thomas Piller about
"Mass Customization
Ein wettbewerbsstrategisches Konzept
im Informationszeitalter"

Voorlopige opzet EIPS 03-04-2009_CURRICULUM.pdf

http://www.adam-europe.eu/prj/5443/prj/Voorlopige%20opzet%20EIPS%2003-04-2009_CURRICULUM.pdf

Curricula of Mechatronics and Electrical Engineering at Deltion College, Zwolle, NL.
The curricula is in Dutch language.

Produits

- 1 Implementation of MC-Learning for future office clerks - FBS Villach 1, AT (Executive project
- 2 Mass Customization and Cultural differences at Køge Business College, DK (Executive project
- 3 MC4VED configurator for a mechatronics and mechanical engineering curriculum at Deltion College,
- 4 MC4VED concept and tool to initiate and manage changes in VET in SLO (Executive project
- 5 Basic Car – Mechanical engineering module, Deltion College, Zwolle, NL
- 6 "Education as on assembly lines", a translation of articles in 10 Danish newspapers about the
- 7 Deltion College Newsflash: "Engineering and Design sector introduces new methodology"
- 8 Teacher Training Concept: Mass Customization, Individualising and Personalising Vocational
- 9 Project Info Flyer MC4VED
- 10 Case for business English at FBS Villach 1
- 11 Film about developing and designing learning situations at Technical College Nova Gorica
- 12 New Curricula in Mechatronics and Electrical Engineering, Deltion College, Zwoll, NL
- 13 Curriculum analysis of Mechatronics and Carpentry/Joiner in Woodworking at Technical College
- 14 Handbook MC4VED
- 15 pilot case at Koge Business College, Koge, Denmark

Produit 'Implementation of MC-Learning for future office clerks - FBS Villach 1, AT (Executive project description)'

Titre: Implementation of MC-Learning for future office clerks - FBS Villach 1, AT (Executive project description)

Type de Produit: Programme/curriculum

Texte marketing: Designing and implementing individualized learning targets, methods and progress schedules in office clerk classes to encourage students to learn in a self-reliant and self-actualising way.

Description: Problem,measurable:
- Lack of students' motivation
- Curriculum and students' job experiences don't match
- Lack of commitment among teachers
- Process of examination.

Target:
Increasing involvement of students and companies,using customized learning targets.

Background:
The FBS colleagues wanted to maximise motivation, initiative and creativity of students and teachers and to encourage students to learn in a self-reliant and self-actualising way.

Milestones - an Evaluation Criteria:

Nov. 2009 – Feb. 2010:

Adapt classes for the new way of teaching/learning,inform and convince teachers/companies of MC-methods, collect data out of the curriculum to develop different case assignments.

March 2010 – May 2010:

Develop two case assignments

June 2010:

Present the progress and discuss the cases

June 2010 – August 2010:

Develop two further case assignments

Sept. 2010:

Implement developed case assignments

Sept. 2010 – Feb. 2011:

Test and adjust the case assignments

March 2011 – May 2011:

Evaluate the case assignments

Scope:

1st class of the office clerks at Fachberufsschule 1 in Villach in autumn 2010.
If the project was satisfactory for students, teachers and companies, we would also implement MC-learning in higher classes.

Follow ups (Scale):

- Develop case assignments for different occupation groups
– Develop and change the curriculum

Project Start/End November 2009 – June 2011

Produit 'Implementation of MC-Learning for future office clerks - FBS Villach 1, AT (Executive project description)'

Description:

Assumptions:

The combination of class learning and case assignments required a great deal of responsibility for one's own learning process. It was assumed that the new form of individualized learning would be accepted by students, teachers and companies and that MC-learning would lead to better results in vocational education.

Communication plan:

Activity reports, working groups, homepage, involvement of other teachers as advisors.

Risks/Threats:

- acceptance by employers
- acceptance by teachers
- acceptance by responsible persons for school education

Advantages/Benefits:

For students:

- Act self-responsible
- Gain presentation skills
- Learn about process-oriented organization and customized training;

For the school:

- Profile
- Reputation
- Motivated teachers and students

For companies:

- Co-workers/staff are competent problem solvers.

Cible: Teaching staff
Students and trainees

Résultat: 2 Modules for office clerk classes and warehouse management classes.

Domaine d'application: Curriculum development
Customized learning in class

Adresse du site Internet: <http://www.mc4ved.org/>

Langues de produit: anglais

product files

Executive project description

Executive project description-AT.pdf

<http://www.adam-europe.eu/prj/5443/prd/1/2/Executive%20project%20description-AT.pdf>

product files

Executive project description

Executive project description-AT.pdf

<http://www.adam-europe.eu/prj/5443/prd/1/2/Executive%20project%20description-AT.pdf>

Produit 'Mass Customization and Cultural differences at Køge Business College, DK (Executive project description)'

Titre: Mass Customization and Cultural differences at Køge Business College, DK (Executive project description)

Type de Produit: Programme/curriculum

Texte marketing: Mass Customization and Cultural differences:
In comparison to Danish students international students at the Køge academy were not as readily equipped to navigate in the mass customization model based program .
The target was to shorten the time of international student's adaption of the mass customization teaching approach.

Description: Background:
The international students did not have the same educational background as the Danish Students who were used to navigate in a program based on a combination of class teaching and case assignments which required a great deal of responsibility for one's own learning process.
It was evident from the Køge experience that they could acquire these skills during the first 3 semesters. But they would benefit greatly from an earlier adaption of the "pull" approach as it was reflected on their academic results.

Milestones - An Evaluation Criteria:

Nov 2009 – April 2010:

- Research phase

April 2010:

- Preliminary research report

June: 2010:

- Presentation of research findings

June – August 2010:

- Development of new methods

September 2010:

- Implementation of developed methods based on research

1. February 2011:

- Start of evaluation of case implementation

1. April 2011:

- Evaluation of case implementation

1. August 2011: final report

Scope:

The Multimedia-design education at Køge Business College – International track (with possible derived benefits for the Danish track).

Follow ups (Scale):

Adaption of the evaluated methods were an integrated part of the international multimedia design program. If possible and relevant we would develop the Danish program as well.

Project Start/End:

Learning processes never end. But Køge colleagues referred to the milestones.

Assumptions:

It was assumed that international students were able to adapt to learning based on

Produit 'Mass Customization and Cultural differences at Køge Business College, DK (Executive project description)'

Description: MC. It was assumed that a better understanding of the cultural background and derived student strategies would provide ideas for more effective approaches towards this international group of students.

Communication plan:

- 1.Introduce the project to the management group to get endorsement.
- 2.Include colleagues in the process by asking for their help and advice.
- 3.Contact external partners by network combined with project description.
- 4.Communicate plans and results via the Køge homepage and the project share point.
- 5.If possible publish results in scientific media.

Risks/Threats:

- 1.Loss of focus due to project members different assignments as teachers
- 2.Lack of support by management and colleagues
- 3.External partner's different interests (co-ordination)

Advantages/Benefits:

- An even stronger and more beneficial program for our international students.
- Better integration between the Danish and international tracks of the education.
- Decrease the drop-out rate.

Cible: Teaching staff
Students

Résultat: - Priliminary report of research among IT students in advanced secondary higher vocational education of business and administration.
- Research findings
- Development of new methods
- Implementation of developed methods based on research.

Domaine d'application: Curriculum development
Customized learning in class

Adresse du site Internet: <http://www.mc4ved.org/>

Langues de produit: anglais

product files

Executive project description-DK

Executive project description-DK.pdf

<http://www.adam-europe.eu/prj/5443/prd/2/2/Executive%20project%20description-DK.pdf>

Produit 'MC4VED configurator for a mechatronics and mechanical engineering curriculum at Deltion College, Zwolle, NL (Executive project description)'

Titre: MC4VED configurator for a mechatronics and mechanical engineering curriculum at Deltion College, Zwolle, NL (Executive project description)

Type de Produit: Programme/curriculum

Texte marketing: Design and implement a MC4VED configurator for a mechatronics and mechanical engineering curriculum to improve students' motivation and sustainable learning outcomes.

Description: Problem, measurable:

- Students motivation
- High dropout rate
- Lack of commitment among teachers.
- Environment and students do not fit the current curriculum.

Target measurable:

- Reduce drop outs.
- Improve commitment among teachers.
- Reduce costs.
- Increase rate of students leaving the school with a diploma.
- Increase involvement of students and companies
- Re-improve Deltion curriculum to regain a high standard.

Background:

The Deltion colleagues developed a new curriculum fitting the students' needs and made the curriculum suitable for the new learning environment.

Milestones - An Evaluation Criteria:

- Develop two cases.
- Test and adjust these cases.
- Implement the cases in the curriculum.
- Measure students and teachers satisfaction.
- Measure companies' involvement.

Scope:

The Deltion colleagues changed the content of the curriculum during the project period.

Follow ups (Scale):

- Develop cases and improve the curriculum

Project Start/End:

- November 2009 – June 2011

Assumptions:

- Commitment of two team managers responsible for these courses.

Communication plan:

- Inform the colleagues in team meetings.
- Present progress on Deltion Internet and Intranet, articles in local and regional papers, Link on Deltion webpage to the project website .

Produit 'MC4VED configurator for a mechatronics and mechanical engineering curriculum at Deltion College, Zwolle, NL (Executive project description)'

Description: Risks/Threats:

Lack of commitment among teachers.

Advantages/Benefits:

More students leave school with a diploma.

Improvement of students' satisfaction.

Effective educational route.

Tempo differentiation.

Recognition of earlier acquired skills and reducing costs.

Cible: Teaching staff

Students, trainees

Dual partners in industry

Résultat: 2 pilot cases/modules in mechanical and electrical engineering

Domaine d'application: Curriculum develoment

Customized learning in class

Adresse du site Internet:

Langues de produit: anglais

product files

Executive project description-NL

Executive project description-NL.pdf

<http://www.adam-europe.eu/prj/5443/prd/3/2/Executive%20project%20description-NL.pdf>

Produit 'MC4VED concept and tool to initiate and manage changes in VET in SLO (Executive project description)'

Titre: MC4VED concept and tool to initiate and manage changes in VET in SLO (Executive project description)

Type de Produit: Programme/curriculum

Texte marketing: Utilize the MC4VED concept and tools to initiate and manage changes in VET in Slovenia. The colleagues of technical College Nova Gorica included the MC4VED concept and tools to the process of implementing new and renovated VET programs in Slovenia.

Description: Problems, measurable:

- Students motivation especially in vocational programmes
- Low employability rate of students after they finish their school education.
- Adapt to the changes
- Implement new and renovated programmes in a modular way.

Targets, measurable:

- Reduce dropouts and increase the rate of the students finishing the school with diploma.
- Raise the commitment among teachers by engaging them in different development projects.
- Tighten the cooperation between school and companies in the region.
- Improve the quality of the students' practical work in companies.
- Engage companies to cooperate in preparing the educational and practical training.

Cible: Teaching staff
Students and trainees
Companies as potential dual partners

Résultat: 2 pilot cases/modules in mechatronics and woodwork

Domaine d'application: Curriculum ´development
Customized learning in class

Adresse du site Internet:

Langues de produit: anglais

product files

Executive project description-SI

Executive project description-SI.pdf

<http://www.adam-europe.eu/prj/5443/prd/4/2/Executive%20project%20description-SI.pdf>

Produit 'Basic Car – Mechanical engineering module, Deltion College, Zwolle, NL'

Titre: Basic Car – Mechanical engineering module, Deltion College, Zwolle, NL

Type de Produit: Modules

Texte marketing: This module describes the subject matter of the first eight weeks of this programme in the basic mechanical engineering unit.
Two weeks of this unit were spent on the “basic car”, focusing primarily on the axles, the wheels and the mechanical propulsion system. Actually one week was available for this part of the unit, but there was an overlap with mechatronics.
Then there were six weeks during which the basic car was not the focus of the mechanical engineering hours. In these weeks a number of basic mechanical engineering skills were covered. Corresponding modules were Mechatronics, Fitting, Mechanical Engineering, Electrical Engineering, Electrical Battery-powered Propulsion, Industrial design.

Description: Introduction to this module:

The students worked on a basic module for the first eight weeks of this programme.

This module familiarised them with the various programmes in the cluster.

Those who were still not sure which programme would suit best had eight weeks to decide according to their demands.

The intention was that they took on this project enthusiastically. The project was the basis for all of the programmes and was therefore part of the course schedule.

Once they had completed this project, they had already earned the first 7.5 study points in their programme.

Cible: Cohort 2010-2011 Engineering Programme 4 94421, Deltion College, Zwolle, NL

Résultat: The result was a “Basic Car” according to student groups' own specifications.

The idea was that to have the car completed after the first eight weeks of the course. The car was then presented during the first introduction evening to students' parents at Deltion College.

The following work processes and competencies were related to the project:

Core task / Work process – Engineering

Core task 1:

- Design products or systems

1.1 Collect and process design data

1.2 Produce designs

1.3 Choose materials and parts

Core task 2:

- Prepare production work

2.2 Make a drawing or drawing package

2.3 Organise people and resources

Core task 3:

- Supervise production work

3.4 Deliver work

Relevant Competencies:

- Decide and initiate activities

- Give instructions

- Cooperate and discuss

- Formulate and report

- Apply expertise

- Use materials and resources

- Analyse

- Plan and organise

- Deliver quality

- Follow instructions and procedures.

Produit 'Basic Car – Mechanical engineering module, Deltion College, Zwolle, NL'

Domaine d'application: The module can be used in the professional disciplines of Mechatronics, Fitting, Mechanical Engineering, Electrical Engineering and Industrial Design.

Adresse du site Internet: <http://www.mc4ved.org/>

Langues de produit: anglais

product files

Basic Car – Mechanical engineering module, Deltion College, Zwolle, NL

F.2.6.2 - Basic Car ENd.pdf

<http://www.adam-europe.eu/prj/5443/prd/5/2/F.2.6.2%20-%20Basic%20Car%20ENd.pdf>

Produit "'Education as on assembly lines", a translation of articles in 10 Danish newspapers about the MC4VED project'

Titre: "Education as on assembly lines", a translation of articles in 10 Danish newspapers about the MC4VED project

Type de Produit: Méthodes de distribution

Texte marketing: The newspaper articles describe the authors' understanding of the MC concept and their experiences of implementing the new concept of customized learning into vocational education at Køge Business College.

Description: "Education as on assembly lines"

Mass Customisation sounds just more of hard industry than of soft teaching and learning principles. The two teachers Jan Ingemansen and Steen Hillebrecht from the multimedia program at Køge Business College are participating in a learning development project in the EU. They are dealing with teaching in modules in the same manner as known in the industry. - We participate in the Leonardo da Vinci program to develop methods and tools to help our international students adapt to our way of education faster than they are doing now, says Jan Ingemansen. - They are not - like our Danish students are - accustomed to hybrid forms of teaching such as classroom instruction, testing the theory in practice and focus on interdisciplinary and project work. Special project work requires that students take the responsibility for their learning. - Our experience is that it takes three semesters for our international students to catch up with the Danish students. And it's a shame when it is so late in the two-year program to become familiar with our methods and teaching methods, Steen Hillebrecht adds. - So we hope that the program can generate methods that can reduce the time needed for our international students to get accustomed to our way of doing things.

Push or pull learning?

- Industrial mass production is cheap and quick, but in this case it is a production without any real idea about the outlets. We are basically producing for stocks. This type of production makes its students become passive. We could call it push, where mass-produced products are pushed towards the customers, says Steen Hillebrecht.

- Another approach is Mass Customization. Here the output is modular and manufactured only on demand. Here we can talk about pull, where customers actively pull for products. Mass Customization is among other things known from production of tools and cars. This way of production covers a technology that can mass-produce custom solutions, Jan Ingemansen explains.

MC4VED - DE/09/LLP-LdV/TOI/147203

- In that way it is possible to meet special requirements regarding variety and quality demanded by the customers, while ensuring an efficient and inexpensive industrial production. It is the idea of modules and pull that carries the project that we participate in. Our training is modular. Now we just have to find the methods to ensure that our international students will be able to take advantage of the pull method, he says.

Cible: The target group:

Everybody who is interested in new attractive and motivating ways of learning in vocational education with a special focus in international students.

Résultat: The authors state: "Our experience is that it takes three semesters for our international students to catch up with the Danish students. And it's a shame when it is so late in the two-year program to become familiar with our methods and teaching methods. So we hope that the program can generate methods that can reduce the time needed for our international students to get accustomed to our way of doing things.

Domaine d'application: Vocational education at Danish Vocational Colleges

Adresse du site Internet: <http://koege.lokalavisen.dk/uddannelse-som-paa-samlebaand-20100904/artikler/709049881/1865> <http://hilleroed.lokalavisen.dk/uddannelse-som-paa-samlebaand-20100904/artikler/709049881/1865> <http://rudersdal.lokalavisen.dk/uddannelse-som-paa-samlebaand-20100904/artikler/709049881/1865>

Produit "'Education as on assembly lines", a translation of articles in 10 Danish newspapers about the MC4VED project'

Adresse du site Internet: /20100904/artikler/709049881/1865 <http://hoersholm.lokalavisen.dk/uddannelse-som-paa-samlebaand-/20100904/artikler/709049881/1865> <http://lyngby-taarbaek.lokalavisen.dk/uddannelse-som-paa-samlebaand-/20100904/artikler/709049881/1865> <http://roskilde.lokalavisen.dk/uddannelse-som-paa-samlebaand-/20100904/artikler/709049881/1865> <http://aarhus.lokalavisen.dk/uddannelse-som-paa-samlebaand-/20100904/artikler/709049881/1865> <http://solroed.lokalavisen.dk/uddannelse-som-paa-samlebaand-/20100904/artikler/709049881/1865> <http://solroed.lokalavisen.dk/uddannelse-som-paa-samlebaand-/20100904/artikler/709049881/1865> <http://fredensborg.lokalavisen.dk/uddannelse-som-paa-samlebaand-/20100904/artikler/709049881/1865>

Langues de produit: danois

product files

Education as on assembly lines", a translation of articles in 10 Danish newspapers about the MC4VED

translation of newspaper article about MCV4VED, DK.pdf

<http://www.adam-europe.eu/prj/5443/prd/6/3/translation%20of%20newspaper%20article%20about%20MCV4VED%2C%20DK.pdf>

Produit 'Deltion College Newsflash: "Engineering and Design sector introduces new methodology"'

Titre: Deltion College Newsflash: "Engineering and Design sector introduces new methodology"

Type de Produit: Méthodes de distribution

Texte marketing: Fourteen members of staff from the Engineering and Design sector spent a week in Germany, during which FESTO introduced them to Mass Customization. The motivation for the visit to the Landesakademie further training institute in Esslingen, Germany, was the start of the international project MC4VED: Mass Customization for Vocational Education, a Transfer of Innovation project. In collaboration with Deltion College and institutes in Slovenia, Austria and Denmark, the pneumatic and electric power technology firm FESTO has started developing educational methods in line with the Mass Customization principle, which is an alternative school of thought in education.

Description: As Deltion College would like to see a considerable number of students pass their training course, it is offered in a flexible and customised manner. Within the established parameters, students are free to choose the modules that make up their course, which means the institution must offer learning materials for a number of modules. In the Engineering and Design sector they are working on giving shape to this methodology, which is believed to meet the wishes of the students better, which is flexible and takes into consideration the wishes of the professional community. Mass Customization allows the institution to offer a wide range of flexible practical modules. In Germany examples of Mass Customization were shown in practice at the firms FESTO, Eisenmann and Bosch. The firms themselves provide the students with practical training and the theoretical components are provided by the vocational schools in Göppingen and Sindelfingen in consultation with the businesses. At the Landesakademie, B. J. Engels, K. Nikkels and J. Lamberts presented suggestions in German for the future of education in the Engineering and Design sector.

Cible: Teachers and trainers of vocational education

Résultat: The innovative modular education system will be developed further by the project group, led by H. v. d. Kolk and B. Stomps. In mid June 2010, Deltion College will host a meeting of the project partners, who will each present their results. The visit was informative for all involved and enabled the participants to better develop the themed modular approach within the Engineering and Design sector.

Domaine d'application: Teaching and training in the engineering and design sectors of vocational education and training.

Adresse du site Internet: <http://www.mc4ved.org/>

Langues de produit:

product files

F.2.0-1 - DELTION College - Leonardo Newsflash, ENG.pdf

<http://www.adam-europe.eu/prj/5443/prd/7/1/F.2.0-1%20-%20DELTION%20College%20-%20Leonardo%20Newsflash%2C%20ENG.pdf>

Deltion College Newsflash

product files

F.2.0-1 - DELTION College - Leonardo Newsflash, ENG.pdf

<http://www.adam-europe.eu/prj/5443/prd/7/2/F.2.0-1%20-%20DELTION%20College%20-%20Leonardo%20Newsflash%2C%20ENG.pdf>

Produit 'Teacher Training Concept: Mass Customization, Individualising and Personalising Vocational Education'

Titre: Teacher Training Concept: Mass Customization, Individualising and Personalising Vocational Education

Type de Produit: Matériel d'apprentissage

Texte marketing: Teacher training to prepare participants and organizations to implement customized demand-oriented education and learning.

Foundation and context of the course are the experiences and findings of the international partner schools within the MC4VED project including areas of mechatronics, logistics and Design.

Basic Structure of the Training:

- After a n introduction to Mass Customization ideas and concepts the participants are encouraged to discuss their questions. After a company visit the participants try to transfer the ideas to the individual situations and problems at their schools.
- Analysis of the status quo at the local schools provides the basis for the design and conceptualization of the next project steps and the draft of pilot modules.
- The ideas and concepts are discussed and evaluated during the seminar. Coaching on demand is available (online) to support the participants during the implementation of individualized education.

Description: MC4VED Train-the-Trainer-Concept
Training to become a MC4VED-Coach

Editors' remark:

After an initial phase and in case of regular or increasing number of courses and growing number of coaches will be needed to supply the requested coaching and to assist the schools in the implementation process.

To provide the necessary resources suitable personnel has to be trained and certified to offer information and support for the local government organization in mainstreaming the MC ideas at a growing number of schools..

Former participants of the workshops will be recruited and will receive this special training and certification.

MC4VED Train-The-Trainer-Training:

Topics of the Train-the-Trainer-concept are:

- Developing the scientific foundations
 - Individualization of education
 - Innovative methods of knowledge transfer
 - Mass Customization in industry
 - Mass Customization an idea to enable organizations to customize learning
- Bilateral visits of organizations and former MC4VED partner schools
- Sharing of experiences and lessons learned and FAQs
- Access to the founding international network MC4ED
- Support of new and ongoing MC4ED projects as mentors (under supervision)

Additional Offerings:

MC4VED Consulting – assistance of school implementation projects

- Consulting and support of schools and other organizations
- Creating concepts and implementation plans for MC projects.
- Support by best practice partners in cooperation with transfer coaches of the state academy.

Produit 'Teacher Training Concept: Mass Customization, Individualising and Personalising Vocational Education'

Cible: School mangement and teachers of vocational education

Résultat: A set of teacher training seminars

Domaine d'application: Teachers' in-service training

Adresse du site Internet: www.mc4ved.org

Langues de produit: allemand

product files

Teacher Training Concept

F.2.0-2- State Academy_Teacher Training Concepts_Overview.pdf

http://www.adam-europe.eu/prj/5443/prd/8/2/F.2.0-2-%20State%20Academy_Teacher%20Training%20Concepts_Overview.pdf

Produit 'Project Info Flyer MC4VED'

Titre: Project Info Flyer MC4VED

Type de Produit: Autres

Texte marketing: The flyer gives an overview of the the whole MC4VED project from start to closing. It is available on the website of the NA, BiBB, in English and German.

Description: The flyer informs about the project's development from start to closing with all important milestones during the implementaion od the innovative MC methodology.

Cible: It is available for everybody interested in innovative ways of teaching and learning.

Résultat: The flyer shows the main milestones of the project's implementation phases and gives the project partners' addresses for everybody interested in further detailed information.

Domaine d'application: Vocational and general education.

Adresse du site Internet: www.mc4ved.org

Langues de produit: allemand

product files

project info flyer

F.2.2-Projektinfoflyer_mc4ved_web.pdf

http://www.adam-europe.eu/prj/5443/prd/9/2/F.2.2-Projektinfoflyer_mc4ved_web.pdf

Produit 'Case for business English at FBS Villach 1'

Titre: Case for business English at FBS Villach 1

Type de Produit: Matériel d'apprentissage

Texte marketing: This pilot case was developed for a class in Business education. The students were guided to a new learning method which enabled them to do own self-responsible studies and research to achieve the targeted results.

Description: This case offered goals and benefits for the students:

- How to do a contract;
- How to do their own e-mail-address and internet storage space;
- Different ways of presentation
- Knowledge of data security and data protections
- Basic knowledge of treaties; (aftermath of breaking rules)
- Evaluation of information from the internet;
- "dictate" of the majority in a group;
- Behaviour in groups;
- Studying techniques depending on the own personality

In this first case the students learnt to handle the computer, to work with data, to communicate in groups and outwards, to make presentations, to work in teams, to identify one's role in the team), to identify their benefits and threats.

The students asked for information and demanded input to the PULL-POOL. The teacher provided general information and provided additional material depending on demands and standards of the group.

The case covered the subjects of IT-lessons, German (communication), English (terminology), politics (treaty), ethics and social sciences and a lot of all-above issues.

Material used:

Schoolbooks, Internet, Work-sheets for self-evaluation, recognizing the own strengths and weaknesses, different games for team building.

Learning outcomes:

- work- and study treaty
- well-defined working groups
- working e-mail-addresses and internet storage space

Cible: Students of Business education

Résultat: The student were strongly motivated to learn in an individualized way and they achieved better learning results.

Domaine d'application: Lessons in Business education at FBS Villach 1

Adresse du site Internet:

Langues de produit:

product files

product files

F.2.13.1 - first case.pdf

<http://www.adam-europe.eu/prj/5443/prd/10/1/F.2.13.1%20-%20first%20case.pdf>

Produit 'Film about developing and designing learning situations at Technical College Nova Gorica'

Titre: Film about developing and designing learning situations at Technical College Nova Gorica

Type de Produit: Film

Texte marketing: In this film the Slovenian partners show different ways of developing and designing various learning situations.

Description: Script:

- The task of all expert teachers (theory and practice) in the JOINER programme is to study the professional standards and catalogues of knowledge for professional modules and define modules for an open curriculum based on the needs and consensus with social partners. (3/15 sec)

- Practical knowledge and experiences help teachers to find characteristic products or services in every professional module transferred from real professional life situations. This is a starting point for typical learning situations which connects theory and practice and enables to identify the relevance of theory. (4/15 sec)

In the learning situation the students achieve planned professional and integrated competence. At this point it is very important to define the educational model. A didactical way of realisation has to be found and effective teams of teachers has to be defined. (5/15 sec)

To plan the realisation of the professional part of the programme with learning situations a team of experts needs to follow the next steps:

1. Define the methodological basis to perform learning situations and a team of experts which would perform the educational process such as project work,
2. Roughly define all learning situations following in the timeline
3. Define the execution of the curriculum for the relevant program
4. Write down frame curriculum for all classes. (6/30 sec) (written on screen?)

5. An expert team is responsible for certain learning situations. They first check the professional and integrated competences in the professional module. They write down realisable goals matching the needs in the field of profession and possibilities of the school. (7/20 SEC)

6. Define the necessary theoretical background to support practical context – execution of documentation and product itself.

7. Plan the context and schedul the learning situations in a timeframe, harmonise the team work and define how long certain activities would be performed by whom and supplementing each other.

Based on the project draft they plan the project work for production and the final presentation. (8/35 sec)

8. The team perceives the need for integration with general subjects, monitor those needs and inform the teachers who are responsible for implementing suggested changes to realise them in planned time. Teachers of professional and general subjects are working closely together during all activities needed to complete learning situations. (9/10 sec)

Members of the team jointly plan minimal standards of knowledge to achieve optimal results. They all document and publish to give students and their parents access.

Teams define common evaluation criteria for estimating and evaluating learning situations. The final grade is a common agreement after the the documentations and products are presented to the team based on defined measures. (10/30 sec)

Produit 'Film about developing and designing learning situations at Technical College Nova Gorica'

Description:

9. Collect all those documents and provide them in the Fine Executive Curriculum. (11/10 sec)

Cible: Teaching staff

Résultat: Film

Domaine d'application: Information and teaching guidance

Adresse du site Internet:

Langues de produit:

product files

Film about developing and designing learning situations at Technical College Nova Gorica

F.2.22.0 - text for film_LS.pdf

http://www.adam-europe.eu/prj/5443/prd/11/2/F.2.22.0%20-%20text%20for%20film_LS.pdf

Produit 'New Curricula in Mechatronics and Electrical Engineering, Deltion College, Zwoll, NL'

Titre: New Curricula in Mechatronics and Electrical Engineering, Deltion College, Zwoll, NL

Type de Produit: Programme/curriculum

Texte marketing: The new curricula for Mechatronics and Electrical Engineering at Deltion College, Zwolle, NL was designed according to the findings developed during the implementation of the MC methodology in everyday classes.
The insight in this new individualized way of learning on demand was transferred into the systemic curricula planning as a pilot for all the other vocational disciplines at Deltion College. This way the project goal of customized learning is sustainably supported.

Description: The curricula are structured in several modules of Mechatronics and Electrical Engineering. Each module is based on a mandatory configurator to give the individual learners or the teams the indispensable framework for the self-organized learning style. This way the learners are always aware of the learning results within their respective tasks and assignments. The modularized structure of the curricula also offers tutors, facilitators and learners a high flexibility to accommodate practical implementations. Better learning results are guaranteed this way and the curricula can continuously be updated according to the demands of vocational education and training. However a high amount of preparatory work is required from the tutors at the beginning to structure, organize and manage this new way of individualized learning on demand.

Cible: Students of three years of vocational education at Deltion College, Zwolle, NL

Résultat: The teachers' and students' feedback to these modularized Courses implied that the learning results of the students are better than before, and that they were achieved in a much shorter time than doing it the former traditional way of learning.

Domaine d'application: Vocational education and training

Adresse du site Internet: <http://www.deltion.nl/> MC4VED on [deltion.nl](http://www.deltion.nl/)

Langues de produit: néerlandais

product files

curriculum

Deltion_curriculum.rar

http://www.adam-europe.eu/prj/5443/prd/12/2/Deltion_curriculum.rar

Voorlopige opzet EIPS 03-04-2009_CURRICULUM.xls

http://www.adam-europe.eu/prj/5443/prd/12/2/Voorlopige%20opzet%20EIPS%2003-04-2009_CURRICULUM.xls

Produit 'Curriculum analysis of Mechatronics and Carpentry/Joiner in Woodworking at Technical College Nova Gorica, SI'

Titre: Curriculum analysis of Mechatronics and Carpentry/Joiner in Woodworking at Technical College Nova Gorica, SI

Type de Produit: Programme/curriculum

Texte marketing: The new curricula for Mechatronics and Joinery/Carpentry at Technical School Centre in Nova Gorica, Slovenia, was developed according to (oder in accordance with) the findings created during the implementation of the MC methodology in everyday classes. Both fields of Mechatronics and Woodwork are structured in modules and contain a higher flexibility than in the former curricular form. The findings of the innovative way of learning and teaching focus on self-organized project work.

Description: EXECUTIVE CURRICULUM FOR programme JOINER 2010/11...
The starting point for the analysis of the curriculum were professional standards and catalogues of Knowledge and skills.
The curriculum analysis shows the advantage of the newly structured modules in mechatronics, joinery and carpentry for the three years of vocational education at Technical School Centre Nova Gorica.
The teachers get a plain overview of the expected specifications and required time for the planned project work including the different assessment possibilities.
The addressed competences of the learners are precisely described. The benefits of the cooperation between teachers of professional subjects and teachers of general subjects are pointed out.

Cible: Teachers and scholl management of vocational eduction.

Résultat: The analysed modular structure of the fields of mechatronics and joinery and carpentry now offer the opportunity of more efficient project work and customized learning to meet the demands of industry for more self-responsible personnel.

Domaine d'application: Vocational education and training

Adresse du site Internet: <http://www.tsc.si> MC4VED Project on tsc.si

Langues de produit: slovène
anglais

product files

curriculum analysis

curriculum analysis.rar

<http://www.adam-europe.eu/prj/5443/prd/13/2/curriculum%20analysis.rar>

Produit 'Handbook MC4VED'

Titre: Handbook MC4VED

Type de Produit: Autres

Texte marketing: The handbook MC4VED gives an explicit overview of the project from the start to the closing conference. It also includes an introductory article by Hermann Klinger and Alexander Benz about Mass Customization for individualized life-long learning, the needs, design and implementation. The core of the handbook are the four partner cases in which experiences and lessons learned have been documented.
The final chapter draws conclusions and presents perspectives for future MC development in education.

Description: The content of the handbook is subdivided into different parts such as some information about the handbook itself, the history of the MC4VED project, an article about Mass Customization for Individualized Life-long Learning and the business cases of the partners from the Netherlands, Denmark, Austria and Slovenia including an abstract in the respective language. At the end you find some ideas and perspectives for future MC development in education. The book ends with some comments of the external project evaluator Annemarie Kinzelbach.

Cible: Teachers, school management and political institutions in education.

Résultat: The handbook presents a brief presentation of the MC4VED project idea; the concept, the project activities and results. It points out the options of implementing MC in class on various educational levels thus encouraging other teaching personnel to try out MC in their educational environment. The included partner cases give insights into the implementation processes and will support schools in drafting successful projects and in avoiding the common pitfalls in customizing education.

Domaine d'application: General education and vocational education and training

Adresse du site Internet: <http://www.mc4ved.org>

Langues de produit: anglais

product files

handbook

mc4ved-handbook_web.pdf

http://www.adam-europe.eu/prj/5443/prd/14/2/mc4ved-handbook_web.pdf

mc4ved handbook

mc4ved-handbook_web.pdf

http://www.adam-europe.eu/prj/5443/prd/14/3/mc4ved-handbook_web.pdf

Produit 'pilot case at Koge Business College, Koge, Denmark'

Titre: pilot case at Koge Business College, Koge, Denmark

Type de Produit: Matériel d'apprentissage

Texte marketing: These pilot cases were developed for international students at the Koge academy in IT to give the international students the chance of discovering and trying new ways of self-reliant and individualized learning in the field of IT.

Description: The cases followed the clearly designed configurator and opened the students the options of really learn according to their individual demands all about developing software taht meet the real demands of business and industry.

Cible: International students at the Koge academy.

Résultat: The international students achieved satisfying results and sustainable learning outcomes. They experienced the exciting innovative way of learning which showed them options of intensive learning processes in a motivating learning atmosphere, a fact which was mirrored by the feedback from students to their tutors.

Domaine d'application: Vocatioanl and general secondary education.

Adresse du site Internet: <http://www.mc4ved.org/>

Langues de produit: anglais

product files

pilot cases at Koge Business College, Koger, DK

F.2.11.1 - Cases Køge.pdf

<http://www.adam-europe.eu/prj/5443/prd/15/2/F.2.11.1%20-%20Cases%20K%C3%B8ge.pdf>

Événements

17.11.2011 Dissemination Conference at Landesakademie Esslingen, DE

Date	17.11.2011
Description	<p>The conference was opened by the director of the Landesakademie, followed by a keynote speaker from Daimler AG.</p> <p>All partners presented their developed cases to the audience. In the afternoon market place and poster presentation the conference participants discussed details with the project partners.</p> <p>Findings and perspectives were discussed in a panel session including feedback from the present students and teachers of the partners.</p>
Cible	<p>Local administration and governmental stakeholders</p> <p>Principals and teachers from regional vocational colleges</p> <p>Principals from international vocational colleges</p> <p>Stakeholders from the Chambers of craft</p>
Public	Événement public
Informations de contact	wolfram.buechel@landesakademie.org
Date et lieu	17.11.2011 at the Landesakademie Esslingen, DE

16.05.-18.05.2011 Workshop 3 at FBS Villach 1, AT

Date	16.05.2011
Description	<p>All partners including students from FBS Villach 1 and TC Nova Gorica presented their results of implementing their MC-oriented cases. Milestones and obstacles that occurred during this process were discussed as well as conflict-solving strategies.</p> <p>Action plans for integrating MC in the school curricula and winning the support of governmental organizations were developed. The partners presented a self-evaluation of their activities status.</p>
Cible	<p>All project partners</p> <p>Students from FBS Villach 1 and TC Nova Gorica</p> <p>Principals from regional vocational schools</p> <p>Representative from the Carinthia Education Board (Landesobmann)</p>
Public	Événement public
Informations de contact	wolfram.buechel@landesakademie.org walter.werner@bs.ksn.at
Date et lieu	16.05.-18.05.2011 at FBS Villach 1

Événements

07.02.-08.02.2011 - Coaching on demand at Køge Business College, DK

Date 07.02.2011

Description The status-quo of the MC4VED project is reviewed to the integrated teachers at Køge Business College. Milestones, obstacles, results occurred while implementing MC in class and further expectations were discussed as well as questions and answers respectively. Teams discussed and developed more learning situations suited to implement the MC method. They also gave an outlook of following tasks for the teachers involved and the individual responsibilities and commitments. The teams presented their individual concepts of implementing exemplary cases in project phase 3.

Cible All teachers and principals involved in implementing MC learning methods at Køge Business College.

Public Événement public

Informations de contact wolfram.buechel@landesakademie.org
Mona Engberg me@adm.khs.dk

Date et lieu 07.02.-08.02.2011 at Køge Business College

18.10. - 19-19.2010 Coaching on demand at FBS Villach 1

Date 18.10.2010

Description The MC4VED project in general is reviewed to the integrated teachers at FBS Villach 1. Expectations are discussed as well as questions and answers respectively. Teams discuss and develop possible learning situations suited to implement the MC method. They also give an outlook of following tasks for the teachers involved and the individual responsibilities and commitments. The teams present their individual concepts of implementing exemplary cases in project phase 3.

Cible All teachers of FBS Villach 1 involved in the implementation of MC at their vocational school.

Public Événement public

Informations de contact wolfram.buechel@landesakademie.org
walter.werner@bs.ksn.at

Date et lieu 18.10.-19.10.2010 at FBS Villach 1, AT

Événements

Coaching on demand at Technical School Center (TSC), Nova Gorica, SI

Date 06.07.2010

Description The MC4VED project in general is reviewed to the new actively integrated teachers at TSC. Expectations are discussed as well as questions and answers respectively. Teams discuss and develop possible learning situations suited to implement the MC method. They also give an outlook of following tasks for the teachers involved and the individual responsibilities and commitments. The teams present their individual concepts of implementing exemplary cases in project phase 3.

Cible All TSC teachers involved in the implementation of MC at their college.

Public Événement public

Informations de contact wolfram.buechel@landesakademie.org
kli@applied-knowing.org
primoz.stekar@gmail.com
primoz.stekar@tsc.si
Miran.Saksida@tsc.si

Date et lieu July 6 -7, 2010
Technical School Center (TSC), Nova Gorica, SI

Workshop 2, Sharing lessons learned

Date 08.06.2010

Description All partners present their status-quo within the project, i.e. winning colleagues to participate in the project and developing exemplary cases to implement MC in class. Obstacles during this process are discussed as well as conflict-solving strategies. Action plans for the next core phase of the project, the implementation phase, are developed as well as the tasks for this phase. The partners present a self-evaluation of their activities status.

Cible All partners involved

Public Événement public

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hzwakenberg@deltion.nl

Date et lieu June 8 - 10, 2010
Deltion College Zwolle, NL

Événements

Coaching on demand at Deltion College, Zwolle, NL

Date	24.03.2010
Description	The Dutch teachers involved in the project are trained by Dr. Klinger, the expert from FESTO in the ways of transferring the idea of customized learning, i.e. leaning on demand, into vocational class. They are facilitated in implementing the new learning process and develop concepts of integrating it into the current college curricula.
Cible	Project-active teachers at Deltion College, Zwolle, NL
Public	Événement public
Informations de contact	wolfram.buechel@landesakademie.org kli@applied-knowing.org hzwakenberg@deltion.nl
Date et lieu	March 24 - 26, 2010 Deltion College, Zwolle, NL

Kick-off meeting of MC4VED

Date	02.11.2009
Description	Milestones of the MC4VED project during its 2 years duration: Work phases Work packages Workshops Documentations Publications Dissemination of activities and results Financial reports Interim report Final report National evaluation Project evaluation
Cible	All partners with their project-active members including the financial administrators, the scientific consultant and the project evaluator.
Public	Événement public
Informations de contact	wolfram.buechel@landesakademie.org
Date et lieu	Novemebr 02 - Nobember 06. 2009 Landesakademie Esslingen, Baden-Württemberg, Germany