

Best practices ASTEL

The aim of the Astel project is to exchange good practice, knowledge and information on innovation and curriculum development in secondary vocational education (VET) between partner schools from Belgium, Estonia, Finland, The Netherlands and Portugal with regards to:

1. Implementation of digitalization and the information systems used in the education system.
2. Flexible individual study pathways, teachers new role. Digital guidance and support services.
3. Flexible and innovative study environments, work based learning.

Kick-off meeting ASTEL

Tallinn - INNOVE

29th and 30th November 2018

Belgium:

1. Central administration conducts pedagogical tools and is preparing readymade topics for lessons.
2. HITSA - Information Technology Foundation for Education.
3. The ProgeTiger programme is a great tool.
4. Use of robots / Arduino.
5. International robot competitions at Robotex.

Finland:

1. Digital map of VET providers.
2. Robotics-fair.
3. Integration of ICT on different education levels.

The Netherlands:

1. *Implementation of digitalization and the information systems used in the education system.*

It has become clear that education is being driven by the government in Estonia. It has drawn up national objectives. As a result, a lot of material and support has been developed for schools. The quality of education is therefore very high. At our school, each team can develop its own vision. Because of what we have seen in Estonia, it seems to be good to have a common vision for at least our entire ROC to and no longer each department's own vision.

National objectives

- Every student has obtained novel digital competences
- Digital learning resources are available for every student by 2020+
- ICT related subjects are available for everyone



2. *Flexible individual study pathways, teachers new role. Digital guidance and support services.*

In connection with the above mentioned, students work on the basis of the main career competences model. This model is based on the individual student and what he/she wants to learn and improve. In the Netherlands, we mainly look at improving education rather than the individual path of the student. In view of the results in Estonia it seems a good way to further individualize education at our school.

Main career competences

The model describes career management skills in the 4 areas of career competences

- **Self-awareness development** (Who am I? What do I value? What are my strengths? What do I want to improve about myself?)
- **Analysis of opportunities** (How shall I achieve my goal? What steps shall I take for that purpose? Who or what will help me? How will I be able to help myself?)
- **Planning** (What is the world of work like today and what will it be like tomorrow? What profession shall I learn? What learning and working opportunities do I have?)
- **Taking action** (What do I dream about? What do I want to achieve? What are the factors affecting my choices and decision-making? What holds me back?)

3. *Flexible and innovative study environments, work based learning.*

In Estonia, e-schoolbag is a web environment by schools and students to find digital tools and materials for basic, general and vocational education. Our school also works with a digital learning environment that is set up for each training course based on the requirements of that department. However, it is a lot of work to develop and implement such environments. Tools and material being available from a national database of material would save us a lot of time and work. It would be a positive development if we could achieve this at least at school level.

Digital materials – e-Schoolbag

<https://e-schoolbag.ee>

Metadata repository for learning materials

- e-Schoolbag is a single web environment consisting of digital learning materials arranged by keywords on the basis of the curriculum.
- The portal allows finding educational materials located in different digital tools.
- It contains materials for basic, general and vocational education.
- The code is public: <https://github.com/hariiduspehkoodeid>



Portugal:

INSPIRING PRACTICES...

Development of digitality and situation in (vocational) education

Data Exchange

Career Management Skills in Estonia

Chat service in career guidance

ECL NETWORK

30 ANOS A FORMAR PROFISSIONAIS!

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