



Ýewropa Bileleşiginin taslamasy «Türkmenistanda bilim Ulgamaýna ýardam etmek»

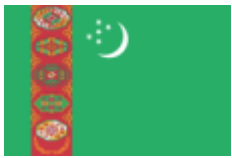
EU project “Support to the Education Sector in Turkmenistan”

Проект ЕС “Содействие системы образования Туркменистана”



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# Collaboration with pilot schools during 2017 / 2018



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## Collaboration with pilot schools – legal background

- On 13th September 2017 the Project requested MoE to appoint education establishments (“pilot schools”) authorized to collaborate with the Project.
- As selection criteria, ability and interest to be involved in the implementation of the Project activities were proposed.
- On 15th September 2017 MoE adopted a list of 24 education establishments (15 TVET schools, 4 general edu. schools, 4 universities and the National Institute of Education), authorised to collaborate directly with the Project.



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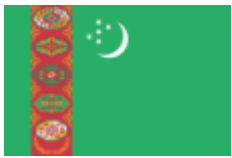


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## Main areas of collaboration with pilot schools 2017 - 2018

The main groups of activities in pilot schools successfully implemented and finalised in format of “mini-projects” - ToR complied activities, generated by the education community:

- **Modernisation of curricula and particular subjects** according to labour market needs including labour market surveys (if appropriate);
- **Development of contemporary learning and methodological materials;**
- **Teacher training, ICT development and international cooperation.**



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# Main areas of collaboration with pilot schools 2017 - 2018

## Ongoing activities:

- Dissemination and networking on national level;
- Promotion of collaboration and peer learning activities with education establishments in EU countries;
- Development of **school websites** (postponed due to ongoing adoption process of respective national regulations);
- Continuation of in-service teacher training (ICT skills and other).



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# Mechanics-technological vocational school (textile), Asgabat

2017 – 2018. Theme – modernisation of speciality  
«Colouring in Textile industry»





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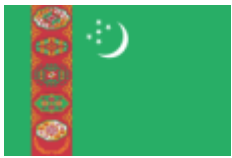
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## **Main results achieved:**

1. Skills development of teachers (in-service training events);
2. Subject “Colouring in Textile industry” modernised, including video and IT based learning materials;
3. Since 1st January 2018 training of students started;
4. Collaboration with textile enterprises strengthened.



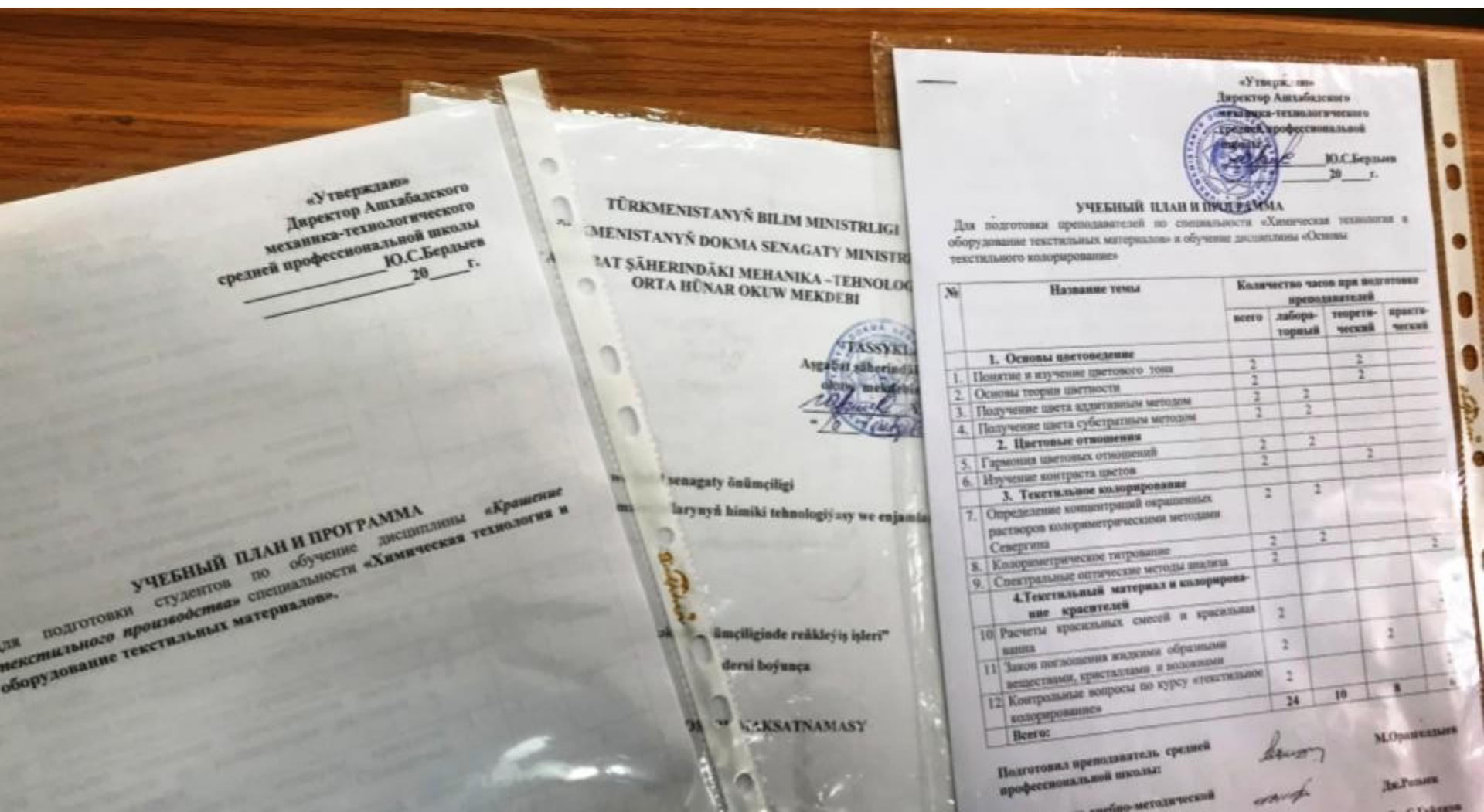
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«Утверждаю»  
Директор Аншабалского  
механика-технологического  
средней профессиональной школы  
Ю.С.Бердыев  
\_\_\_\_\_ 20\_\_ г.

TÜRKMENISTANYŇ BILIM MINISTRLIGI  
TÜRKMENISTANYŇ DOKMA SENAGATY MINISTRLIGI  
AT ŞÄHERINDÄKI MEHANIKA – TEHNOLOGIYA  
ORTA HÛNAR OKUW MEKDEBI

ТАССЫКЛА  
Ат şäherindäki  
mektebi  
\_\_\_\_\_

УЧЕБНЫЙ ПЛАН И ПРОГРАММА  
для подготовки студентов по обучению дисциплины «Красители  
текстильного производства» специальности «Химическая технология и  
оборудование текстильных материалов».

«Утверждаю»  
Директор Аншабалского  
механика-технологического  
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школы  
Ю.С.Бердыев  
\_\_\_\_\_ 20\_\_ г.

УЧЕБНЫЙ ПЛАН И ПРОГРАММА

Для подготовки преподавателей по специальности «Химическая технология и  
оборудование текстильных материалов» и обучение дисциплины «Основы  
текстильного колорирования»

№	Название темы	Количество часов при подготовке преподавателей			
		всего	лабораторный	теоретический	практический
<b>1. Основы цветоведения</b>					
1.	Понятие и изучение цветового тона	2		2	
2.	Основы теории цветности	2		2	
3.	Получение цвета аддитивным методом	2	2		
4.	Получение цвета субстратным методом	2	2		
<b>2. Цветовые отношения</b>					
5.	Гармония цветовых отношений	2		2	
6.	Изучение контраста цветов	2		2	
<b>3. Текстильные колорирования</b>					
7.	Определение концентраций окрашенных растворов колориметрическими методами Севергина	2	2		
8.	Колориметрическое титрование	2	2		2
9.	Спектральные оптические методы анализа	2			
<b>4. Текстильный материал и колорирование красителей</b>					
10.	Расчеты красильных смесей и красильная ванна	2			
11.	Закон поглощения жидкими образцами веществами, кристаллами и волокнами	2			2
12.	Контрольные вопросы по курсу «Текстильное колорирование»	2			
<b>Всего:</b>		<b>24</b>	<b>10</b>	<b>8</b>	<b>2</b>

Подготовил преподаватель средней профессиональной школы:  
\_\_\_\_\_

М.Ориental  
Д.Ренин





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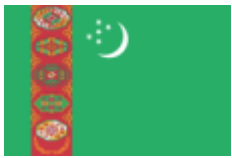
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## Plans for 2019 program development on training of Environment Specialists for Textile Industry

- Modernizing of ecology related subjects – "Environment protection and ecology" and others including development of innovative training and methodological materials;
- Curricula modernisation in collaboration with textile enterprises;
- Expected start of using the updated curricula and learning materials for the training of the students - 1st January 2019.



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# Ashgabat Secondary Vocational Construction school

2017 – 2018. Theme - modernisation of subject  
«Geophysics», development of new training module  
«**Seismology**»





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## **Main results achieved :**

1. Modernisation of subject “Geophysics” implemented according to needs of construction sector.
2. A new module (including learning materials, tests, video ect.) «Seismology and seismological assessment “ developed and introduced in syllabus from 1st Sept. 2018.
3. Collaboration with construction enterprises strengthened.



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## New proposals for 2019

- Development of training programmes, occupational standards, learning materials etc for specialities requested by the labour market – **“Landscape design”** (new speciality) and **“Accountancy for Construction Enterprises”** (moderisation) .
- Curricula will be modernised in close cooperation construction sector representatives.
- Expected start of training – 1st September 2019 / 1st January 2020.



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# Asgabat Vocational school of Tourism

2017 – 2018 Theme - and Content development  
Occupational standard for training of **multilingual  
tour guides**





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# Ashgabat secondary vocational school of Tourism

## Main results achieved:

1. In collaboration with tourism enterprises overall curricula and and syllabus of 8 subjects modernised and used since 1st September 2018.;
2. A training module for in-service training of multilingual tour guides developed and offered to tourism enterprises ;
3. Labour market survey and teacher training activities implemented.



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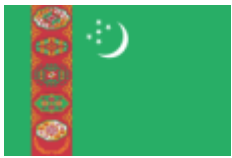
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## Plans for 2019

- Dissemination of lessons learned and practice to other VET schools;
- Contribution to development of occupational standards, including proposals for creation respective legal regulations.



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# Additional results and impact of miniprojects 2017 - 2018

- Skills development of staff and teachers of pilot schools in planning, development, implementation, presentation and reporting of small-scale projects;
- Promotion of **collaboration** between education establishments on various issues of common interest (methodology, ICT and interactive methods, development of modern training materials).