



# OFFER FOR SCHOOLS 2026



Latvijas koks

# Association “Latvijas Koks”



To keep Latvia competitive, we need to act now – **strengthening the knowledge economy and building high-quality education that prepares young people for the professions the future labour market really needs.**

Latvia is still short of engineers and technical specialists. **This gap directly limits business growth.** Curiosity and interest in technical and exact sciences cannot be left entirely to schools. **We must work together to create learning experiences that help young people make confident, informed career choices.**

**Sigita Alksne, Board Member**



We offer **practical and inspiring support**: training sessions, innovation opportunities, and projects that bring together business, education, and science. We also take part in shaping policy and raising public awareness about sustainable futures.

## MISSION

Foster cross-sector cooperation and knowledge sharing – deepening understanding of the global shift from fossil-based to bio-based economy and highlighting Latvia’s strong position in this transition.

## VISION

Bring together creative, critical thinkers and problem-solvers to build powerful synergy between education, science, and business in the bioeconomy.

# Experiments with Wood

The teaching resource “Wood Experiments for Grades 5–12” is designed for natural sciences, chemistry, and physics teachers.

It contains:

- descriptions of hands-on experiments you can do together with students in class
- clear links to the national curriculum
- ready-to-use lesson plans and worksheets

Download now\*



\*E-book is in Latvian language



These experiments shine a light on a topic rarely covered in school programmes – yet vitally important for Latvia’s economy: wood, its structure, and its properties.

**The complete teaching guide is freely available for teachers on the Latvijas Koks website.**

The guide is brought to life with a ready-to-use kit of materials packed in the “Wooden Suitcase for Natural Science Experiments in Schools”. **Using simple, everyday items, the suitcase enables 11 different practical experiments in physics, chemistry, and natural sciences – suitable for a wide range of age groups.**



## Experiments Included in the kit:

**How is thermowood produced – and what are its special properties?**

Natural Sciences Gr. 5 or Chemistry I

**How does wood density differ between tree species?**

Physics Gr. 8 or Natural Sciences Gr. 5

**How do various solvents affect wood?**

Chemistry I

**How can you tell if a wood sample comes from a deciduous or coniferous tree?**

Chemistry II

**How do wood's mechanical properties change?**

Physics Gr. 8

**How does wood from different tree species absorb water?**

Natural Sciences Gr. 5

**How does the structure of a composite material influence its properties?**

Natural Sciences Gr. 5

**How do different environments affect wood drying?**

Natural Sciences Gr. 5 or Chemistry Gr. 9

**How do the properties of homemade glue compare with PVA glue?**

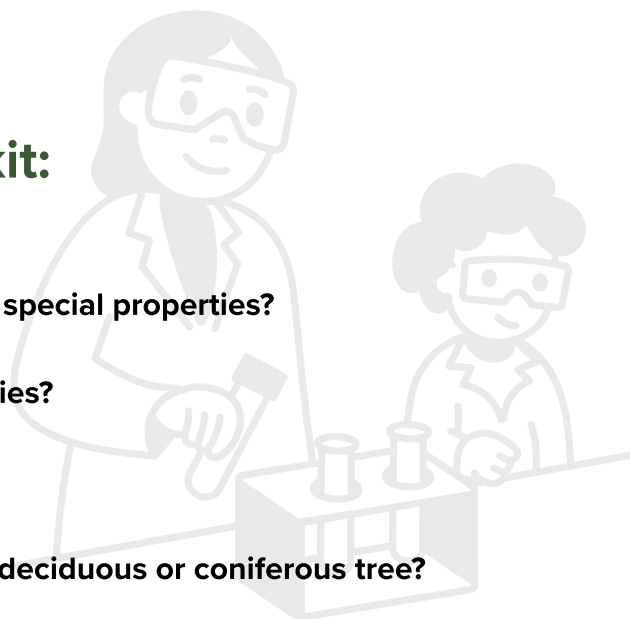
Natural Sciences Gr. 5 or Chemistry Gr. 9

**How does the strength of a structure change?**

Natural Sciences Gr. 5

**What valuable products can be obtained through wood biorefining?**

Chemistry I or Chemistry II



## Video Tutorials for Every Experiment

We've prepared clear, step-by-step video guides so teachers and students can carry out the experiments easily – even with no previous experience.



Video tutorials



# The Latvian School Bag Programme : STEM

Our experiments are offered to schools and included in the State Education Development Agency (VIAA) project “**STEM and Civic Participation Activities for Broader Educational Experience and Career Choice**”.

The project aims to enrich learning, connect classroom knowledge to real life, and help students better understand labour-market demands.

More information & how to apply for our experiments through the STEM School Bag is available **in the VIAA teacher catalogue**.  
**Simply search for: association “Latvijas Koks”!**



[www.VIAA.gov.lv](http://www.VIAA.gov.lv)



## What we offer:

1

**On-site school visits – full lessons with Wooden Suitcase experiments right in your classroom.**



2

**Lessons at our premises – experiments + guided visit to the interactive exhibition “Meet – Wood!”**  
**Address: Skaistkalnes iela 1, Riga**



# Ambassadors Programme

Thanks to funding from the Forest Development Fund, we are launching the first group of our experiments ambassadors – **specially trained teachers from different regions of Latvia.**

After training, they will act as our ambassadors, delivering **guest lessons in schools in their local area** (subject to their availability and project funding).

We are looking for highly motivated teachers who already have hands-on experience using the Wooden Suitcase experiments in their own classroom.

If you would like to become an ambassador and join the training group, please send your motivation letter to:

[iveta.narkevica@latvianwood.lv](mailto:iveta.narkevica@latvianwood.lv)



# Digital Games for Schools

Our interactive games are fun, educational tools that boost STEM learning while helping students understand bioeconomy and sustainable resource use.

They support teachers by **adding practical, creative tasks to physics, mathematics, and natural sciences lessons** – and make it easy to weave sustainability topics into everyday teaching. They also spark excellent classroom discussions.



## Wood Circus

Young people compete individually or in teams in a classic circus-style game. What question comes next? Decided by the digital dice!

TRY IT



## Wood Quiz

Players compete quiz-style – choosing the topic and difficulty level themselves.

TRY IT



09.04.2026

## Conference

# Innovation Path: Knowledge → Transformation → Breakthrough

This conference explores how people and education become the main drivers of innovation in the bioeconomy.

It brings together educators, local governments, and businesses to answer one key question: **How do we turn knowledge into real change – in mindset, processes, and work organisation – that creates a true breakthrough for industry and the country?**



**Programme &  
registration – coming  
soon**

**Looking to the future, the conference presents a visionary yet realistic picture of wood products, technologies, and wood chemistry that will shape the bioeconomy over the next decade.**

**Latvia has everything it needs to be among Europe's leaders: resources, knowledge, and people. This event is a call to use that potential purposefully – so the forest sector remains the backbone of Latvia's economy and the foundation of national wellbeing.**

# Explore & Learn

## Conferences

Every year, together with member Vidzeme University of Applied Sciences, we organise high-level national conferences on topics connecting business, education, and science. Watch recordings from 2024 and 2025!



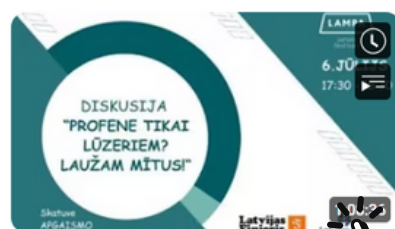
## Podcast "Tu Te"

Board member Sigita Alksne talks with inspiring guests about education, sustainability, and science.



## Youth Discussions – "Lampa" Festival

For two years running we've held discussions with vocational students at the "Lampa" conversation festival – challenging the outdated myth that "vocational school is only for losers". Quite the opposite: vocational education is often the smartest, fastest route to university and well-paid, stable work. Latvia needs professionals!



# Our Team



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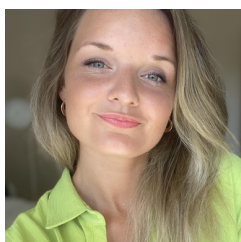
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