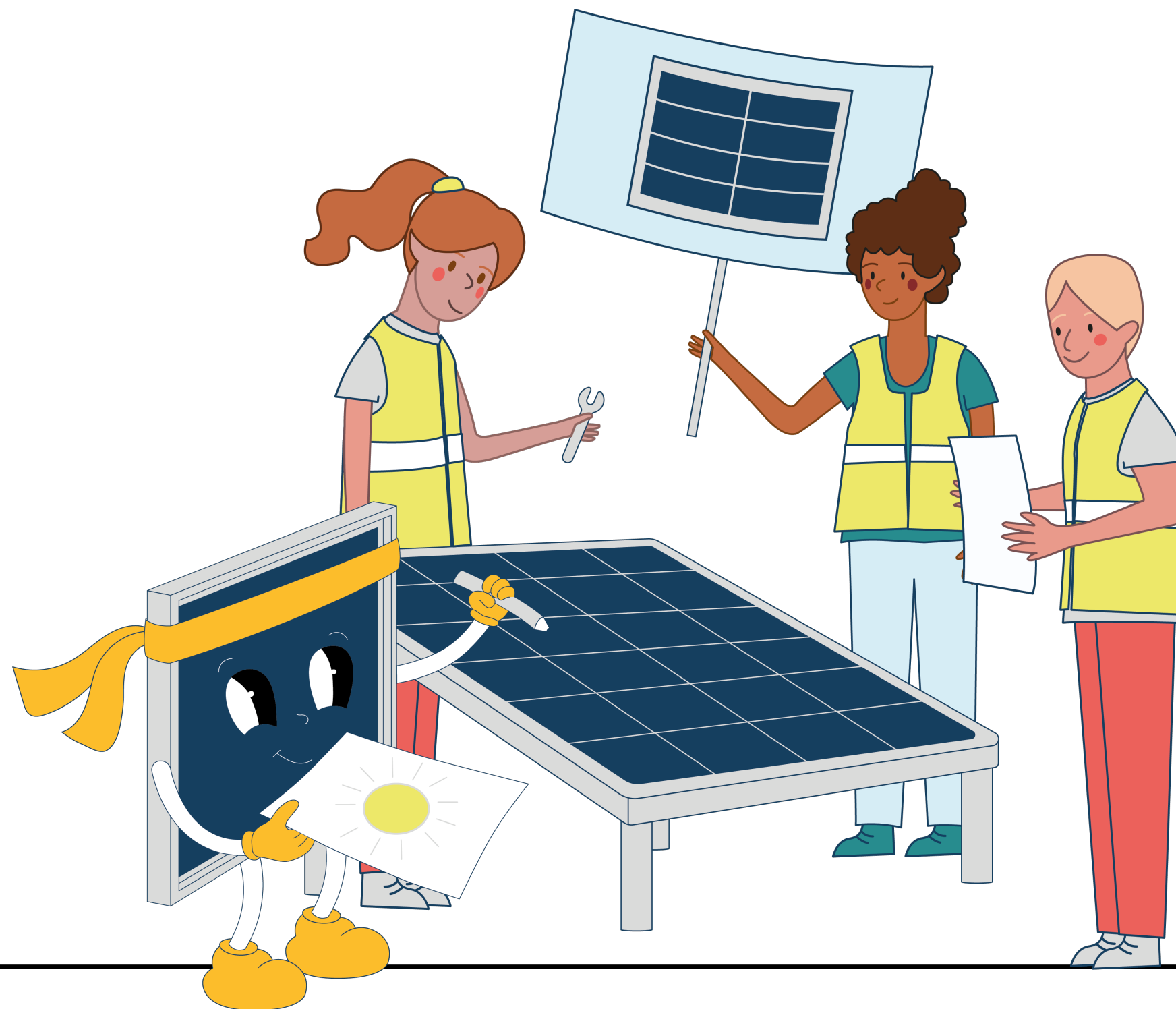
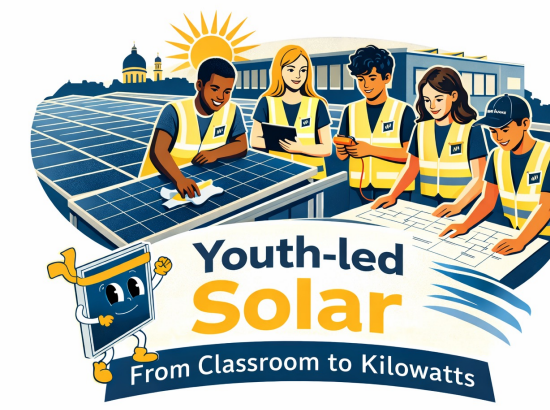




Pre-Kick Off

Project Development of a Photovoltaic System

from PV Potential and Profitability Calculation to Creating a Project Proposal



Fundamentals

The core of the project is the **submission of a project proposal...**

...in order to convince the approving authority, it requires a **comprehensive elaboration and well-founded arguments**

1

Solarbildung materials
as a foundation and
support for independent
project development

2

Ongoing guidance and support
from Solarbildung

3

Complementary addition
through Solarbildung teaching
materials

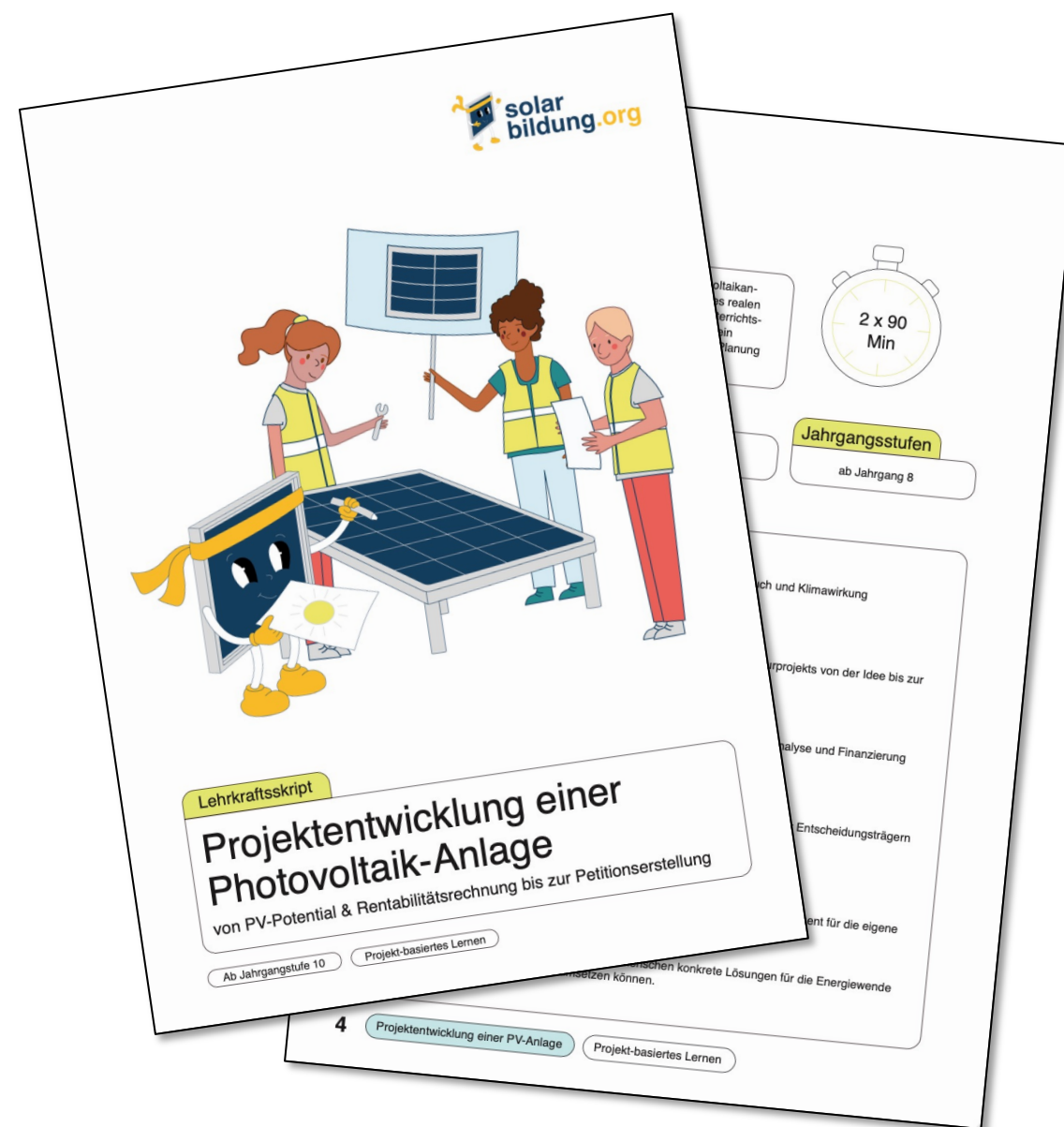
Scope of delivery

Lesson “Development of a
PV system”

Additionally:

Lesson “Economic viability
of a school PV system”

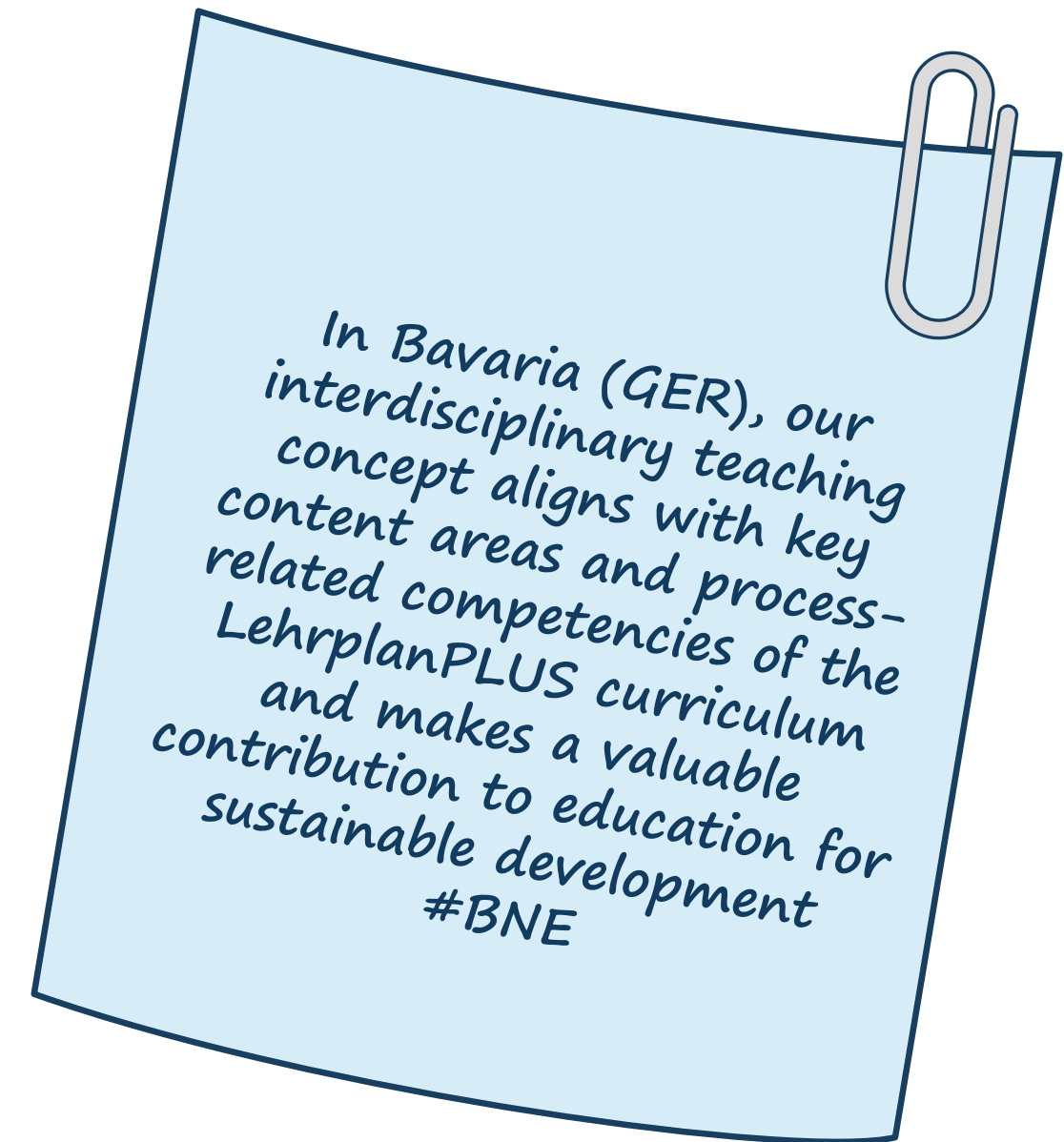
Solar science-kit



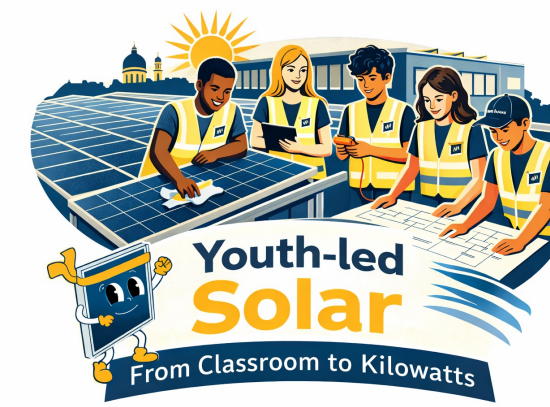
→ Foundation for project development

Skills development through hands-on learning

- **Project work & team organization** are required in all areas and promote interdisciplinary collaboration
- Developing **problem-solving strategies** independently & acting in a **solution-oriented** way are key skills in an increasingly complex world
- **Awareness of sustainability** is not only an approach to tackling the climate crisis but also a moral compass in life
- **Presentation skills:** developed content must be communicated and presented effectively to have an impact



! The project primarily aims to promote students' self-efficacy and independence



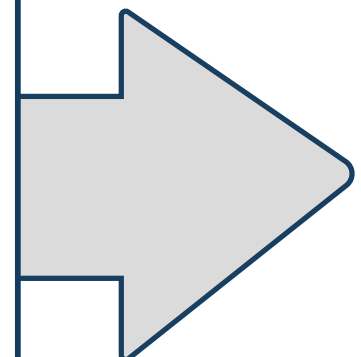
The project process

→ **Starting point:** Your school decides to develop a **PV system project**

Step 1

Planning with Solarbildung

- Selection of suitable, committed teachers for implementation
- Integration into the curriculum
- Solarbildung's experience from pilot project serves as the basis for planning

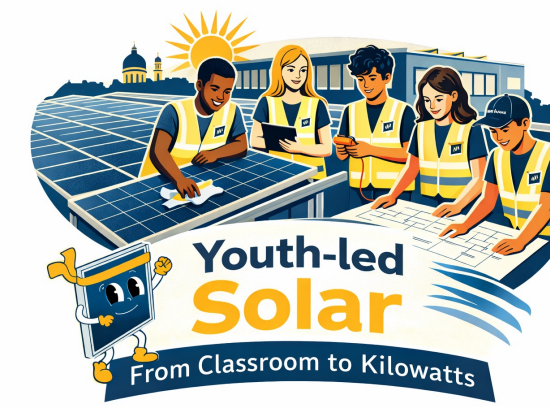


Integration into the curriculum

→ Our lesson not only introduces a practical project but also **complements the curriculum content**

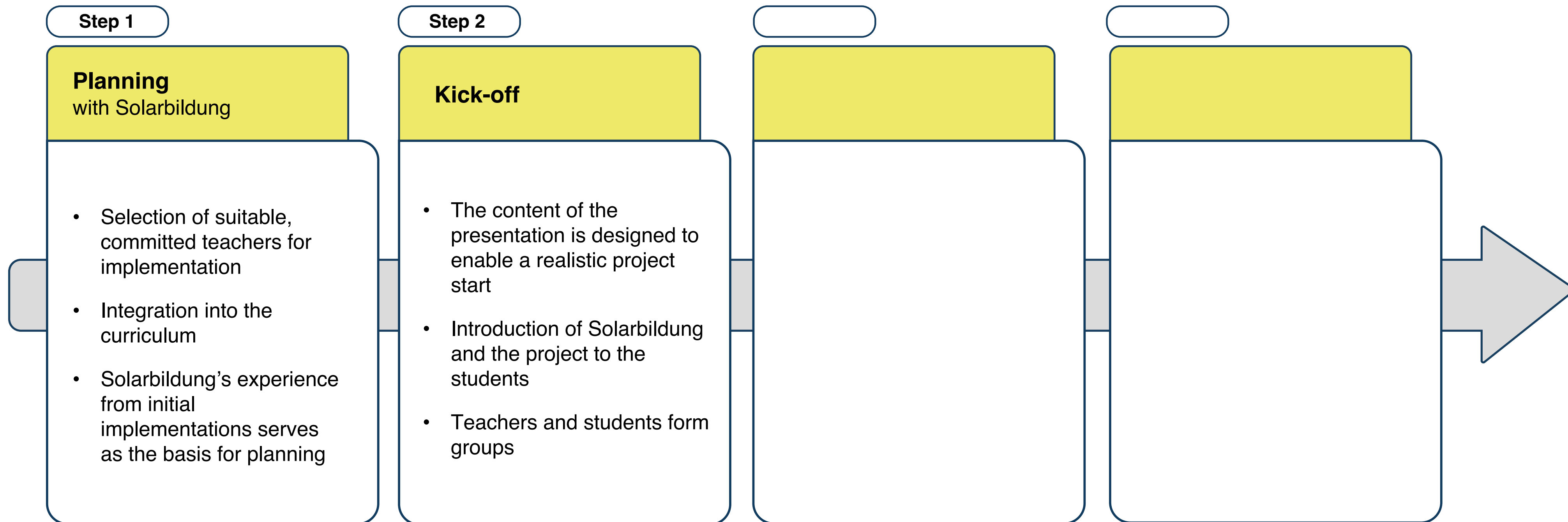
Using the example of a Bavarian secondary school

Subject	Year 8	Year 9	Year 10
Physics	✓	✓	✓
Math	✓	✓	✓
Geography	✓	✓	✓
Economics & law	✓	✓	✓
German	✓		✓
IT	✓	✓	✓
Religion/Ethics	✓		✓
Chemics		✓	
Arts		✓	
Politics & Society			✓



The project process

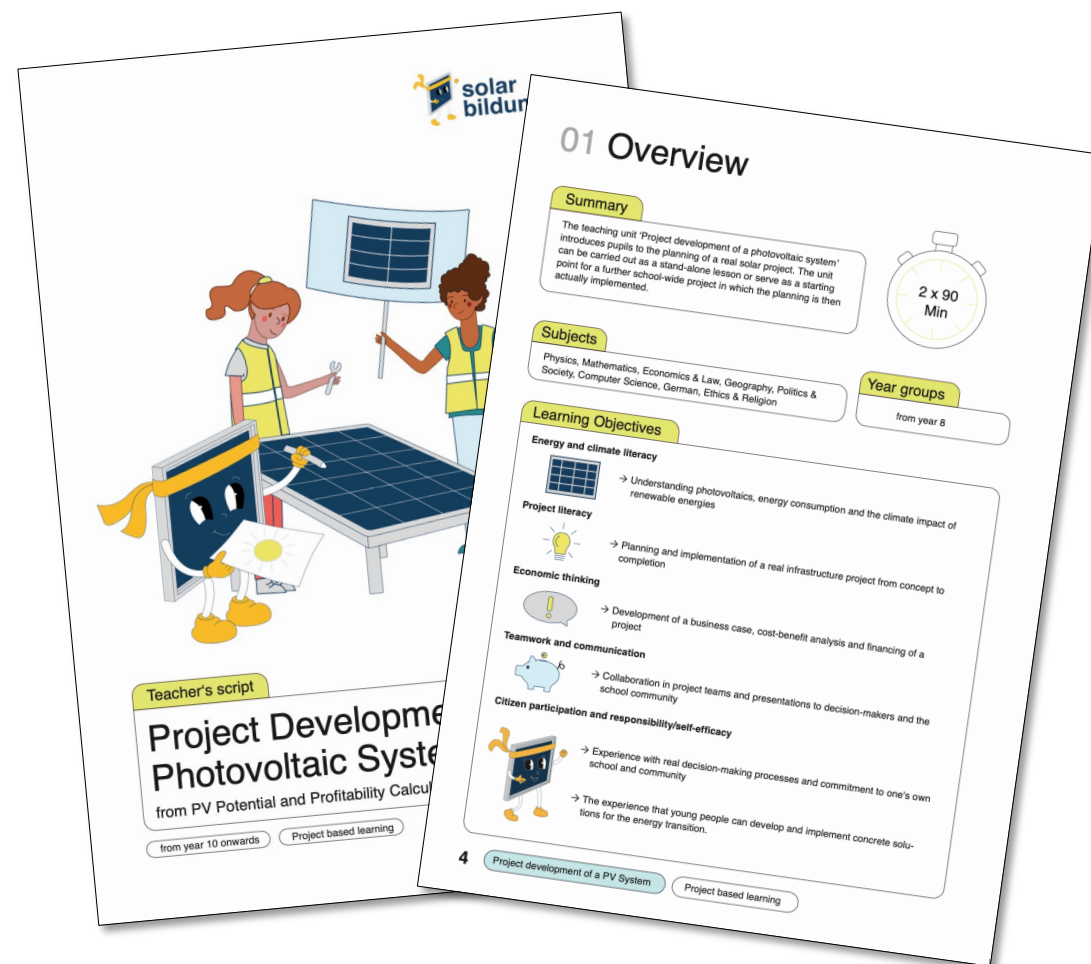
→ **Starting point:** Your school decides to develop a **PV system project**



Introduction to the lesson

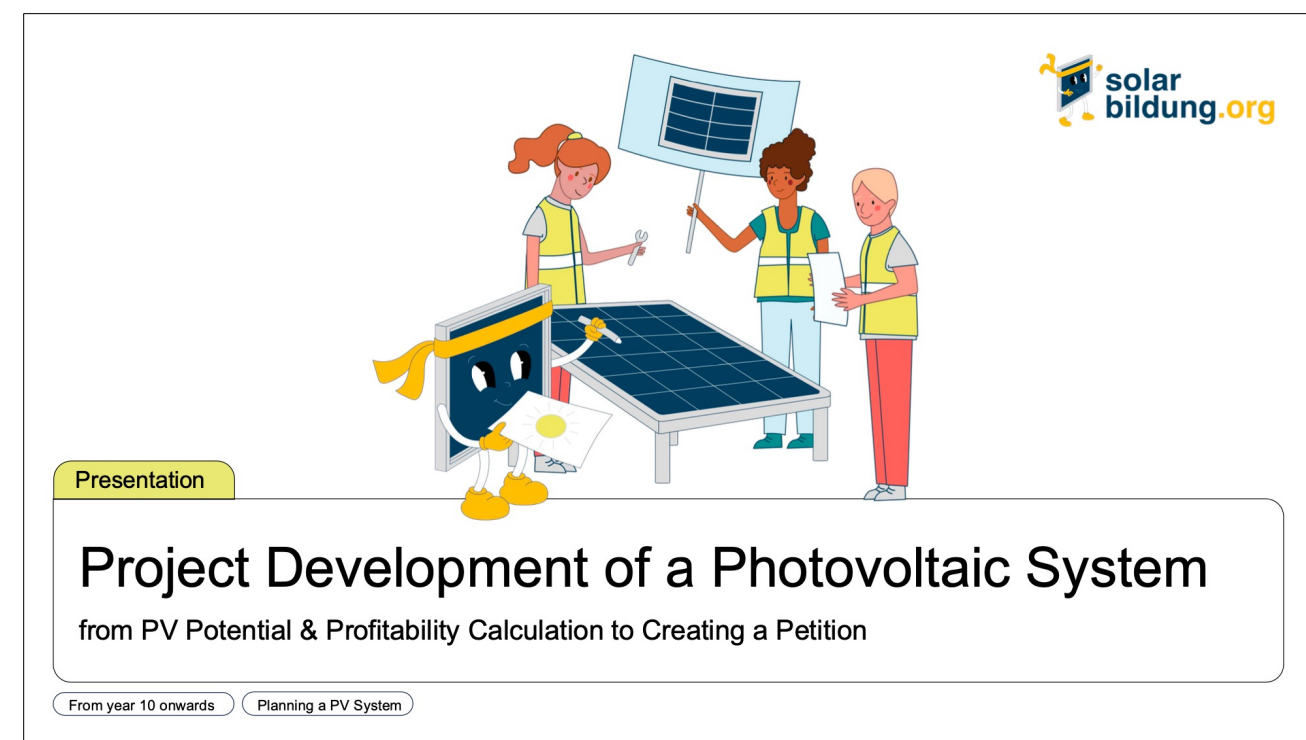
→ Our teaching materials provide a **guideline for project development culminating in a project proposal**

Teacher's script



Guide for teachers

Presentation



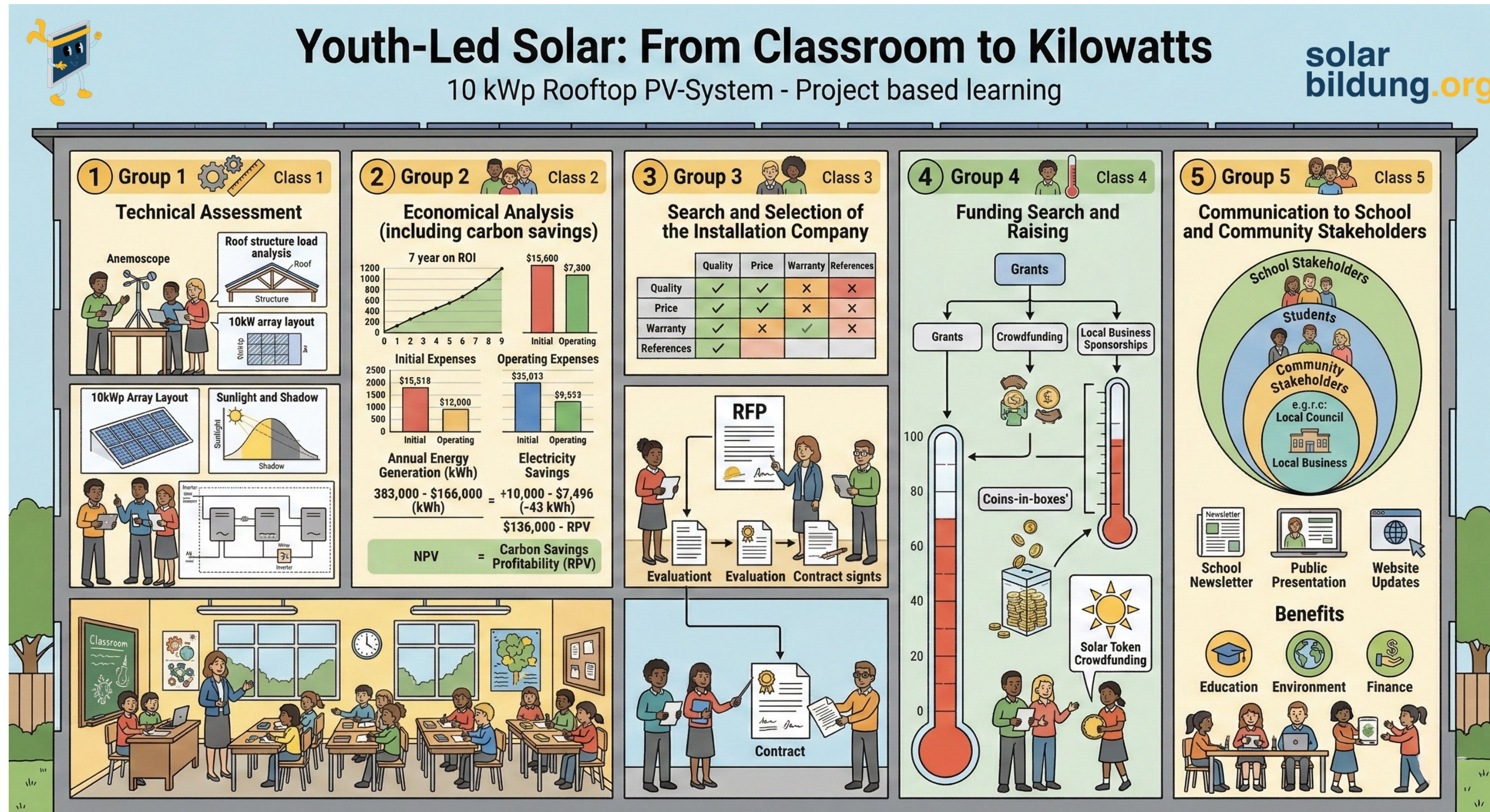
Project presentation to students

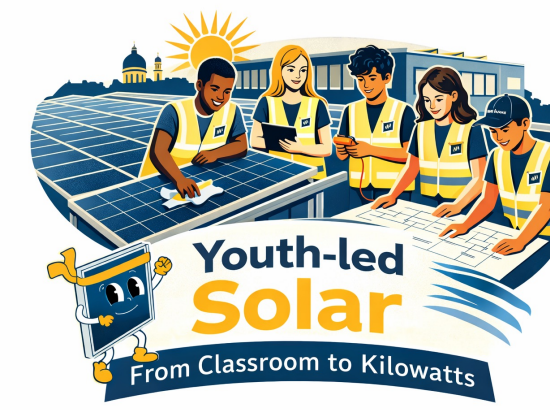
Workbook & group tasks



Development of the content

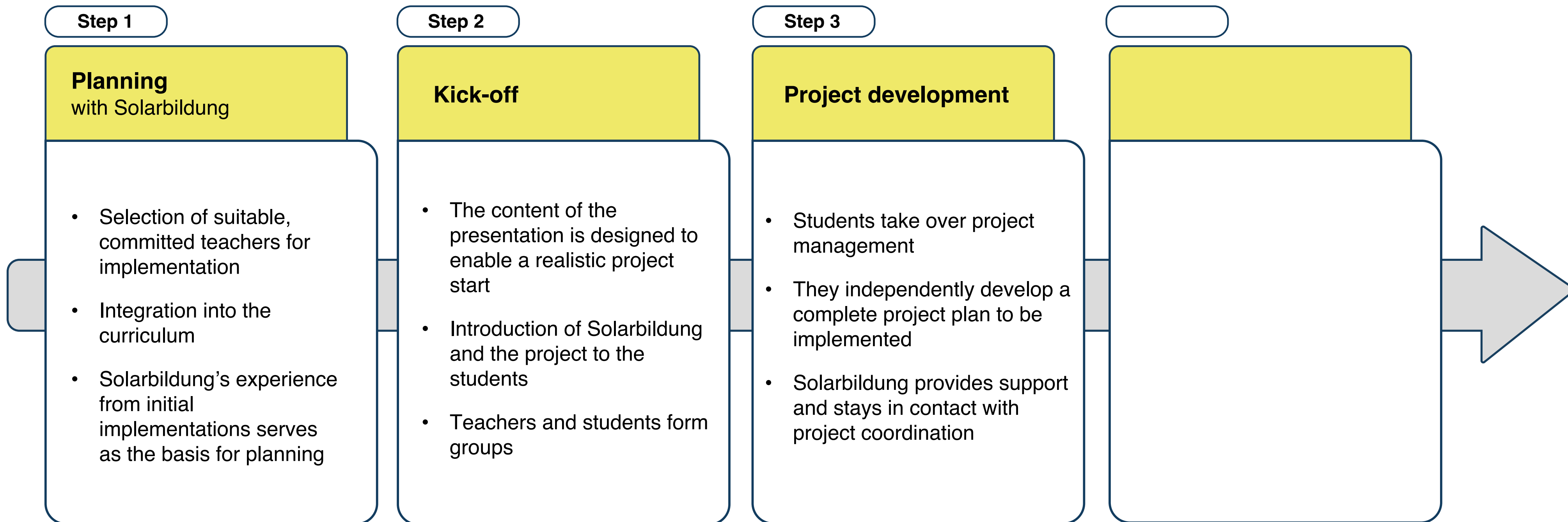
Example of possible workgroups





The project process

→ **Starting point:** Your school decides to develop a **PV system project**



Project implementation

→ Our teaching materials guide the **project development process, culminating in the creation of a petition.**

→ The project should be independently **expanded & implemented** beyond the provided materials, with **Solarbildung** acting as a **sparring partner**.



Workbook & Grouptasks

PV potential

Signature list

Petition creation

Emission reduction potential

Profitability calculation

Funding

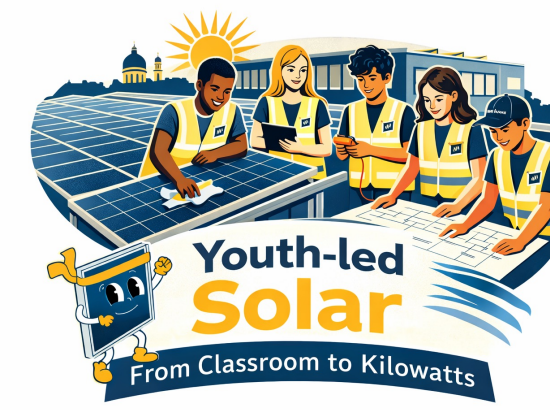
Internal & external
communication

Electricity consumption

Funding/Fundraising

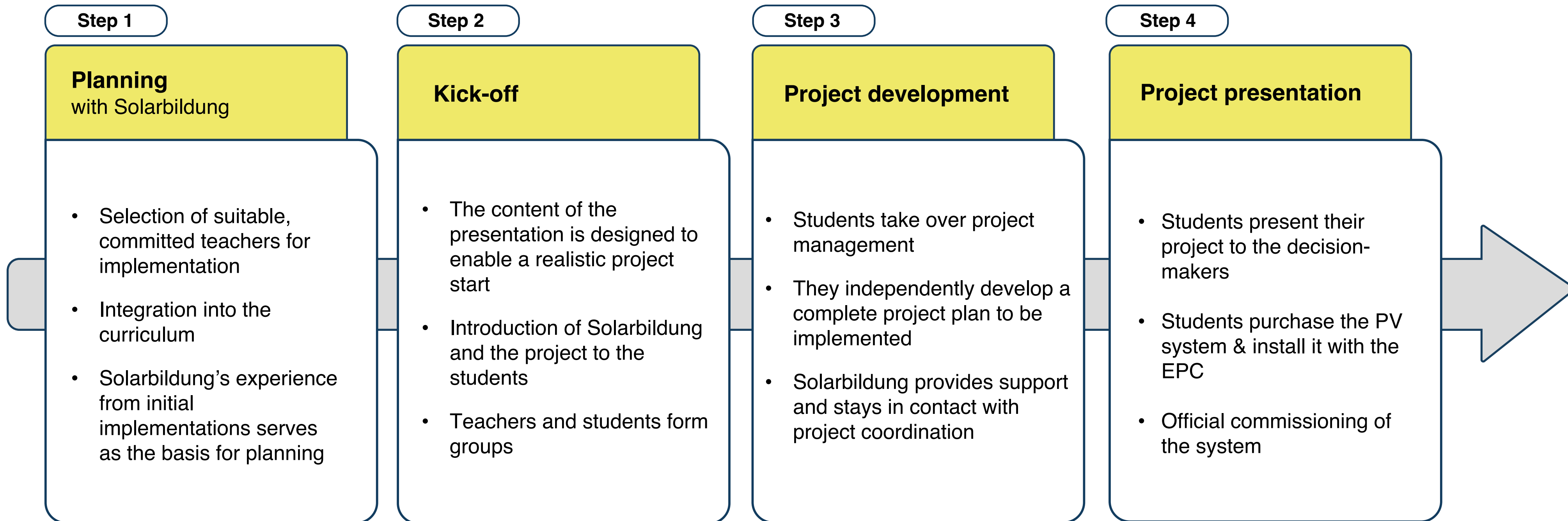
Communication

Search for an EPC



The project process

→ **Starting point:** Your school decides to develop a **PV system project**

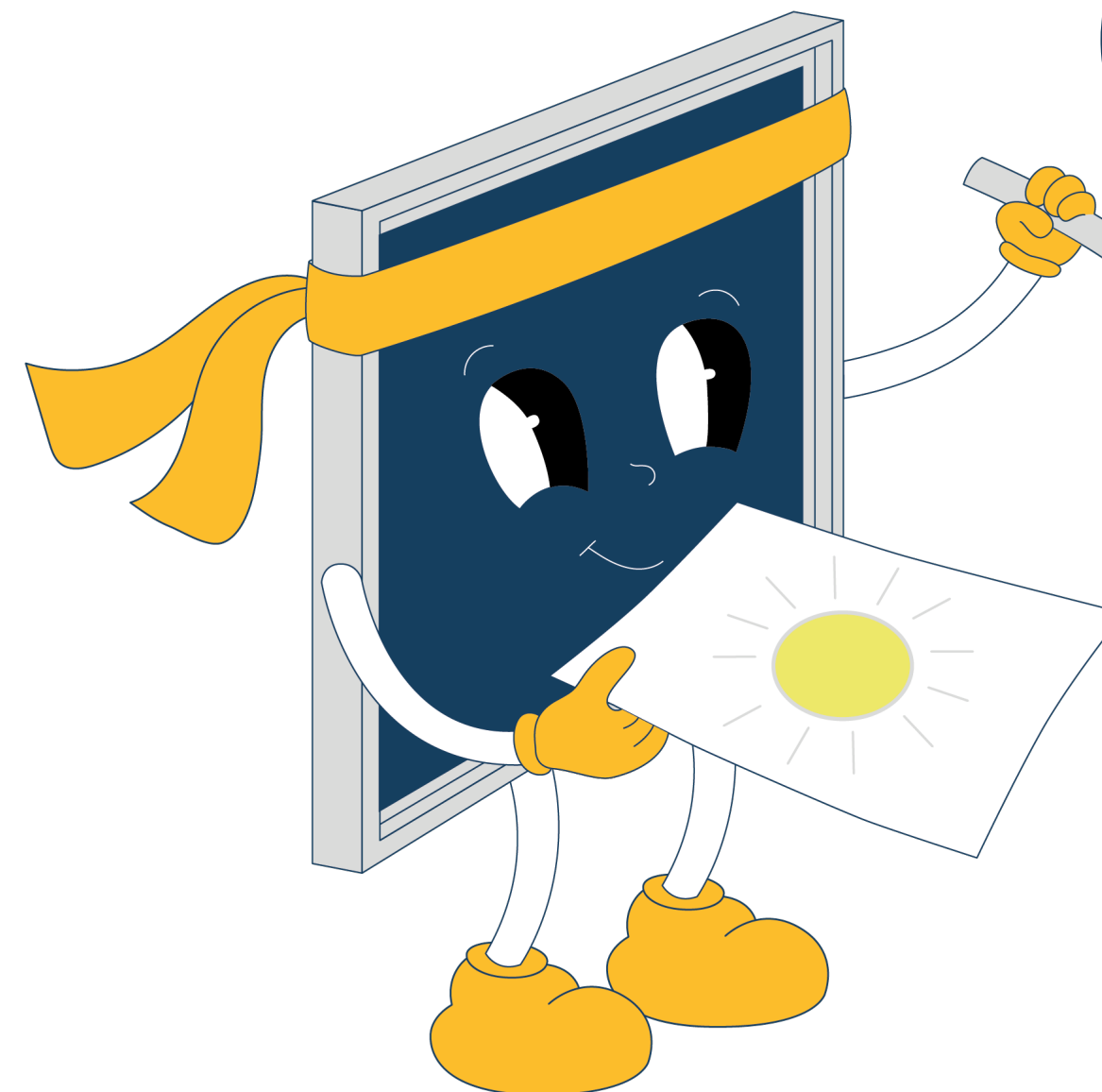




What's next?

After installation:

- Use of the generated clean energy in the school.
For what, to be decided/suggested by the project team
- Monitoring electricity production
- Communication of results
- Possible reinvestment of surplus into further climate measures



The PV system
produces clean
energy for 25+ years!

