



STEM for inclusive Schools

WP2 – Activities

Worksheet – Sustainable Christmas tree Engineering

Scoala Gimnaziala Nr. 7 Galati, RO

Project Title: STEM for inclusive Schools

Acronym: STEMinsCH

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Project partners:

- P1 University Paderborn (UPB), DE
- P2 Universitatea Dunarea de Jos din Galati (UDG), RO
- P3 Scoala Gimnaziala Nr. 7 Galati, RO**
- P4 Siec Badawcza Lukasiewicz - Instytut Technologii Eksploatacji, PL
- P5 Inovatif ve Girisimci Toplum Dernegi, TR
- P6 Sucessos Criativos, Lda, PT

Worksheet for the Activity:

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Build your sustainable Christmas tree Engineering

Task description:

Time to finish the task: 100 minutes

Supplies:



- **Recyclable materials (cardboard, paper, plastic bottles, fabrics, egg carton etc.)**
- **Glue or tape**
- **Paint or markers**
- **Scissors**
- **String or ribbon**
- **Recycled ornaments or natural materials like pine cones or dried fruit**

Method:



Small group work



Instructions:

[https://youtu.be/kRKj-3j3oB8?si= MzxIN1Kwl_5EpeO](https://youtu.be/kRKj-3j3oB8?si=MzxIN1Kwl_5EpeO)

Use the template of the video.

- Cut and shape the materials according to the design.
- Assemble the tree, paying attention to the stability and balance.
- Decorate the tree with recycled ornaments or natural materials like pine cones or dried fruit.

Your Group name:



Write the names of your group members in the box:





- **Test the stability of the tree by gently shaking it.**
- **Evaluate the aesthetic appeal of the tree.**
- **Discuss in your group the environmental impact of the materials used and the design process.**
- **Write down your observations.**

