

Join in online every Thur, 8-9pm

# ProDev Hour

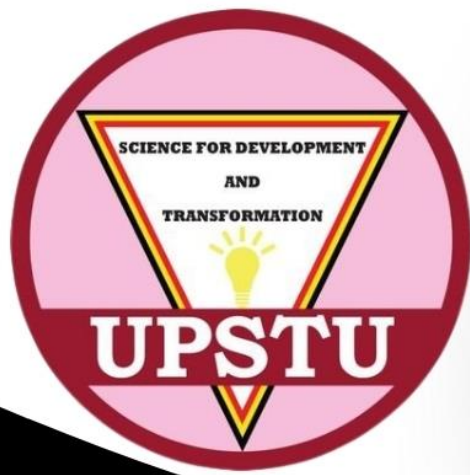
- CPD.
- Rights, Safety, Policies & Dialogue
- Innovation & Skill Development
- Social & Economic Empowerment
- Updates on Union Programs and Activities

*“Science for Development and Transformation.”*



Uganda Professional Science Teachers Union

**Website:** [www.upstu.org](http://www.upstu.org)



**ProDev  
Hour**



**Today's Topic:  
"Project Work  
and Innovation  
for Teachers in  
Uganda" –**

**16<sup>th</sup> / Jan / 2025**

*Join in online every Thur, 8-9pm for:*  
✓CPD ✓ Empowerment ✓ Union Updates

**Namisi Geoffrey**

NATIONAL TRAINER,  
CHEMISTRY – MOES



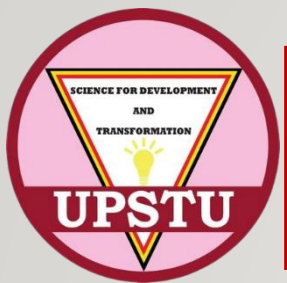
**SPEAKER:**

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# What is Project Work?

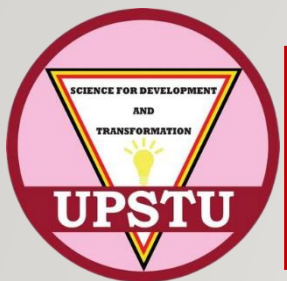
## - Definition:

"Project work is a teaching and learning approach that involves students working on real-world problems or challenges to develop skills, knowledge, and attitudes".

## - Why:

- Develops critical thinking, creativity, and problem-solving skills
- Encourages collaboration, communication, and teamwork
- Prepares students for real-world challenges and careers
- Develop Curiosity and imagination.





# Performance Tasks ≠ Projects

## Performance tasks are:

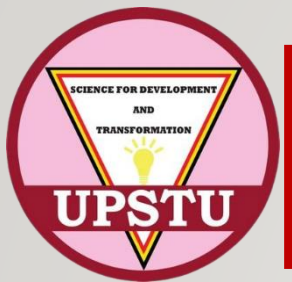
- shorter in duration
- focused on a single subject
- more structured
- may or may not have authentic contexts
- may only have the audience as the teacher



## Projects are:

- Longer term
- Interdisciplinary
- Open ended
- Focused on real life issues and problems
- Real audience
- Student directed

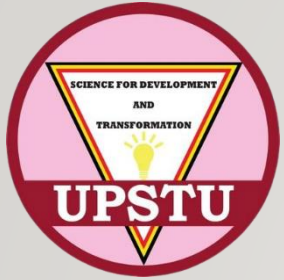




Share some examples  
of project work your  
NLSC students did last  
year.



# Some Examples of Project Work



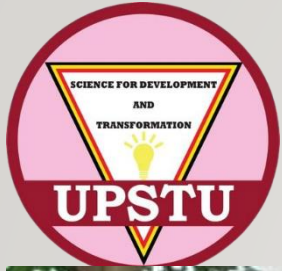
*Investigating the effect of filtration:  
Rubongi Army SS Tororo*



*Water Tank Using mineral water Bottles:  
Teso College Aloet*



# Some Examples of Project Work



*Making of Bags Using Geometry and Shapes*  
*Math - Rubongi Army SS Tororo*



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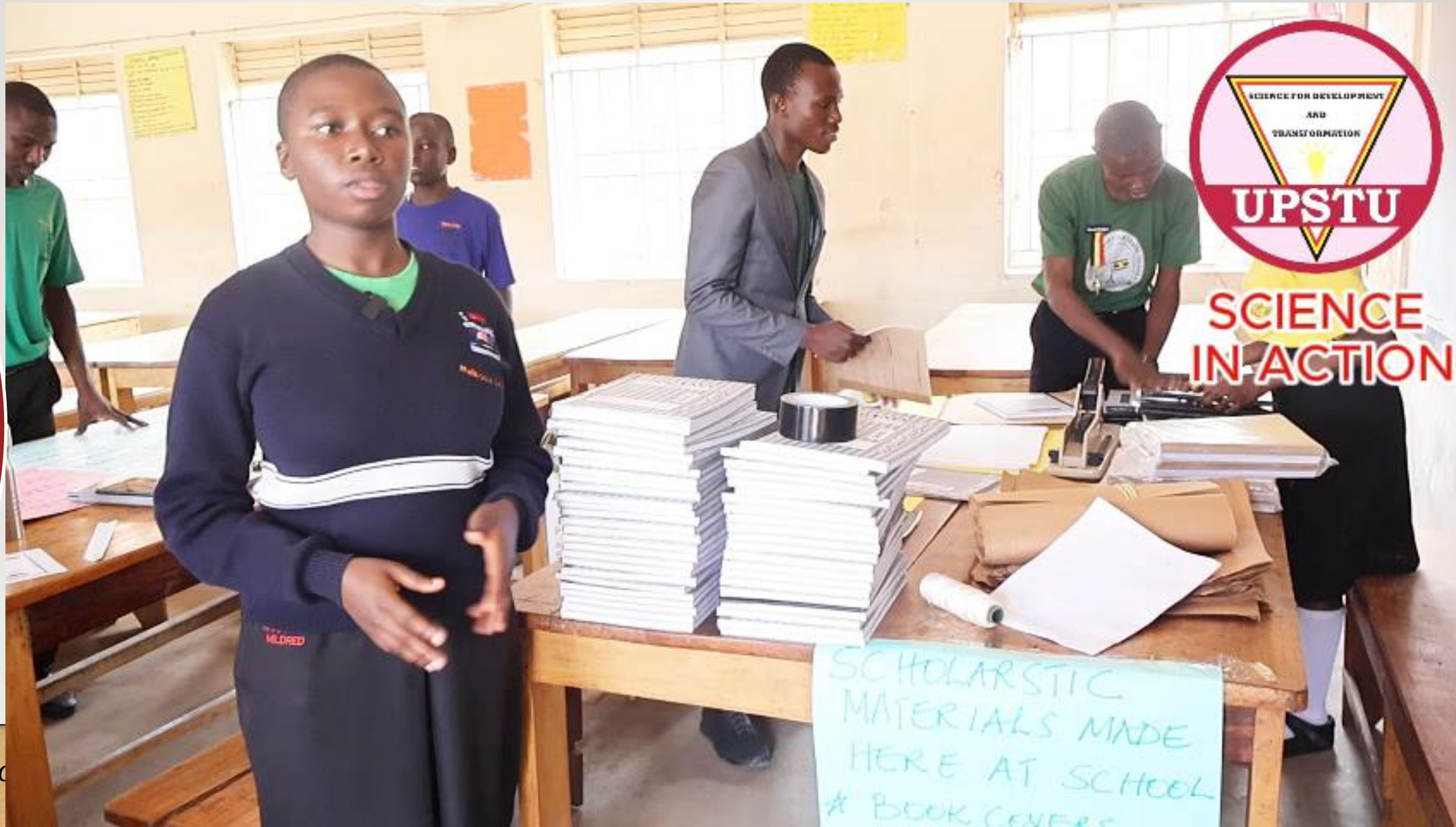
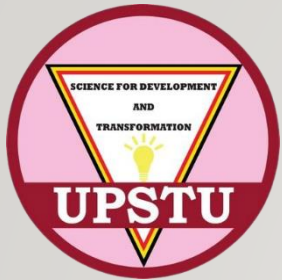


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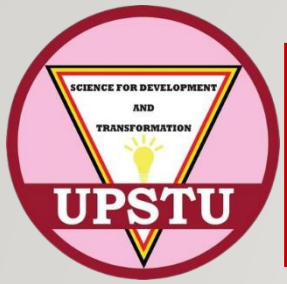
# Some Examples of Project Work

*Making of counter books. Subject: Math – Sam Iga Memorial College*



SCIENCE  
IN ACTION





# Guiding questions to start a project

- a. What is the specific problem you observed
- b. Explain why you consider the issue identified to be a significant problem
- c. What potential negative impact do you anticipate if the problem is not addressed?
- d. How would you address or solve the problem you identified in (a)?
- e. List the resources or support you would require to implement your solution. Justify why each of these resources is necessary for your project's success
- f. Based on the problem and solution you've identified, propose a clear and concise title for the project you would undertake.
- g. What do you aim to achieve and how will these help solve the problem identified.
- h. What tangible output will serve as evidence that your solution will effectively address the problem?





# Making a Project Plan

- Before implementing a project, it is good for students to be guided to first draft a plan for the project. The plan can include:
  - Project Title,
  - Justification,
  - Methodology and Implementation Procedure (for each phase)
  - Tools / Materials and Budget
  - Product and rubrics
  - Main subject and other integrated subjects

SUBJECT : LANGUAGES DEPARTMENT  
TITLE : "POLLUTION FREE KITEREDDE"  
JUSTIFICATION: Pollution is an environmental concern and therefore a contagious issue that needs to be addressed  
OBJECTIVES : \*Sensitizing people/students about the effects of pollutions  
\*Inculcating in learners the values of respecting and protecting the environment.  
METHODOLOGY : Research, interviews  
Discussion  
TOOLS : Books, pens, cameras, smart phones /Computer, papers printer.  
PROCEDURE : Distribution of roles among learners  
- Roles  
1. Taking records of the project.  
2. Taking photographs  
3. Interviewing  
4. Typing, Editing, proof reading, printing.  
PRODUCT  
A magazine; sensitizing the school community about the conservation of the environment.  
SUBJECT INTEGRATION  
a) languages  
b) Geography  
c) ICT  
d. Art  
e) Entrepreneurship

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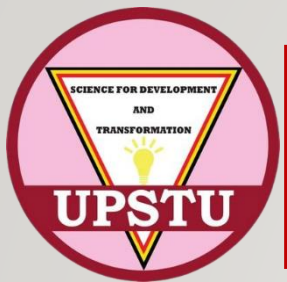


# Scoring Project Work

- Scores for each parameter will be determined by the teacher. The total score for the project will be scaled to 10% and is part of summative assessment.
- A learner should have a maximum of two projects every term provided that by the time the learner sits for final UNEB examinations, a project in each of the subjects has been submitted. Have a projects schedule as a school to avoid many departments giving projects in same term!

PHASE	No	ASPECT TO BE EXAMINED	SCORE
PLANNING	1	Title	
	2	Alignment to theme	
	3	Justification of the project	
	4	Methodology	
	5	Identification of materials and budget making	
IMPLEMENTATION	6	Organization. (Was the project work organized?)	
	7	Use of resources (how were resources utilized?)	
	8	Expression of Critical thinking & problem-solving skills	
	9	Expression of Creativity and innovation skills	
	10	Expression of Communication skills	
	11	Expression of Co-operation and learning skills	
	12	Expression of Calculation and ICT skills	
	13	Demonstration of Values in the project work.	
PRODUCT	14	Originality of the product.	
	15	Creativity of making the product	
	16	Innovation of the project	
	17	Accuracy / precision of the product.	
	18	Testing of the product	
	19	Effectiveness and efficiency of the learner's product in solving the problem identified by the learner	
REPORT	20	Relevance of the report content	
	21	Accuracy of the report's content	
	22	Coherence of the reports content	
	23	Relevance of the report's format	
	24	Accuracy of the report's format	
	25	Coherence of the report's format	
	26	Excellence of the whole report	
<b>Overall total marks (Convert to out of 10)</b>			





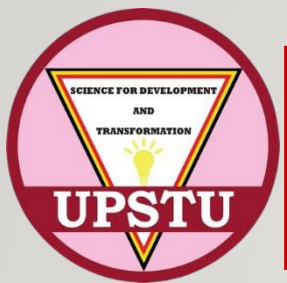
# Teacher's role

In project based learning and assessment, the teacher is expected to:

- Hold conversations
  - Make observations
  - Provide guidance and support to the learner
  - Receive a product and report
  - Assessing / Scoring, Keeping records
- Formative Assessment

This is continuous throughout the project lifetime.

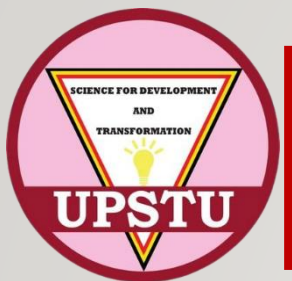




# Benefits of Project Work for Teachers

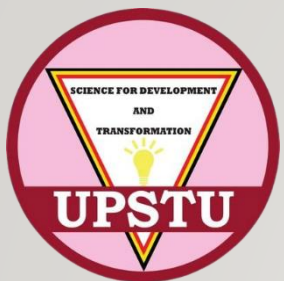
- Professional and skill development opportunities
- Improved student engagement and motivation
- Enhanced collaboration and teamwork among teachers
- Opportunities for innovation and creativity in teaching practices





Share some challenges  
you face in implementing  
project work in your  
school.

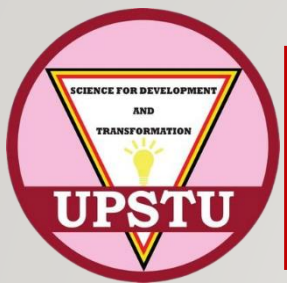




# Challenges and Limitations

- ✓ Limited resources and infrastructure
- ✓ High Student teacher ratio
- ✓ Limited teacher support
- ✓ **Lack of teacher training (CPD)**
- ✓ Limited access to technology
- ✓ Limited assessment options
- ✓ Potential resistance to change from teachers, students, parents or administrators





## Strategies for Implementing Project Work

- ✓ Start small and pilot project-based learning with a selected group of learners
- ✓ Collaborate with colleagues and seek support from school administrators
- ✓ Integrate multiple subjects
- ✓ Emphasize student-centered learning and autonomy
- ✓ Identify and leverage local resources and partnerships
- ✓ **Participate in Project Exhibitions and Science Fairs**
- ✓ Record project videos for future reference and publicity e.g through YouTube





# Gayaza High School has an active YouTube Channel with project videos











← → ↻ 🏠 <https://www.youtube.com/@gayazahighschool/videos> 🗄️ 🔍 ☆ ⚙️ |

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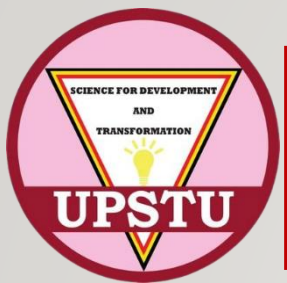
-  **How to make good jewellery** 10:51  
21 views · 8 years ago
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87 views · 8 years ago
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288 views · 1 year ago
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63 views · 8 years ago

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## Conclusion

- Project-based learning is an innovative way of modern educational practices within and outside the classroom.
- Students are supposed to work on a particular project for a specific time in it which improves the partnership between teachers and parents.
- **CBC Project work is coming to Upper Secondary, BE READY!**
- Finally these industrial parks being set up by the president need manpower us teachers in schools for innovation, creativity to steer up the economic development of Uganda.





**Contact:**  
**0779373341**



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