

Lesson 6: Presenting Ideas



How to use the lesson plans

These lesson plans are for the use of teachers (or an adult representative), to help guide the students through the GSTEP Challenge. Lesson plans 1-6 should be completed in order.

Each lesson plan includes:

- A list of materials needed
- The learning objectives
- A lesson summary with teacher notes
- A worksheet for students to fill in (optional)

All lesson plans and supporting materials can be downloaded for free from the GSTEP Challenge website: www.gstep.org.gh.

The lesson is outlined over the next few pages. However, this is just an example schedule. You can choose the activities and lesson plans to meet the needs of your group and your timetable. You can also adapt the time spent on activities to make them shorter or longer.

Students will need paper and pens / pencils and should be guided by your instructions. Alternatively, there is a worksheet that can be printed out for students to fill in, if this is easier and you have access to a printer (no problem if not!).

Overview

Learning objectives:

- To strengthen their public speaking skills.

Time:

- 50-60 minutes

Materials needed:

- 1 copy of the application form for each group (this can be downloaded for free from the GSTEP Challenge website: www.gstep.org.gh.)
- Pens / pencils
- Lesson worksheet (optional)

Lesson plan 6:

Presenting ideas

Introducing today's lesson (5 min)



Start with a brief recap of the the previous session.

Notes for teachers:

In the previous lesson, students learnt about ethics, they reflected on how they have worked together as a team and prepared for today's presentations.

Next, introduce the aims of this session.

Notes for teachers:

Today, the aims of the lesson are:

- To hear each group's presentation about their product or solution; and
- To start to write the applications!

Lesson plan 6:

Presenting ideas

Activity 1 (30 min): Presenting ideas



Each group should give a short presentation (up to 3 min) introducing their product or solution, using the prompts below.

1. What is your problem statement?
2. Which GSTEP Challenge theme does this relate to?
3. Describe how your product or solution will tackle this problem.
4. What makes your product or solution different from existing inventions?
5. What are the next three steps you are going to take to turn your idea into a reality?
6. How will you advertise or market your product?
7. How did you work together as a team?
8. Are there any ethical risks to your idea? How will you manage these?

Notes for teachers:

This is an important session for the students to share all of their great work with their classmates. This is not a test!

Understandably some students will be nervous about this. Please remind them:

- They should speak loudly, clearly and slowly, so that everyone can hear them.
- They are welcome to have some prompt notes, if this helps them.
- Make sure that everyone in the group has the opportunity to speak. We want to hear from all of the group!
- This is not a judgemental environment, so they don't need to worry if they make a mistake.
- And mostly importantly, they should enjoy this experience! This is a chance to share all of their excellent work over the last few weeks.

We encourage students to hold up the drawings that they did at the end of Lesson 3, to help their classmates to visualise their inventions.

We also encourage you and the class to provide lots of positive feedback and encouragement to each group.

If they have not answered any of the questions properly, please do share some constructive feedback (in a sensitive way, of course), as this will help them with their applications.

Lesson plan 6:

Presenting ideas

Activity 2 (15 min): Filling out the application form



Ask each group to start filling out their application forms.

Notes for teachers:

- Students should make a start on their applications during this lesson. However, it is likely that they will need longer to finish filling these out.
- An editable version of the application form can be downloaded from the GSTEP Challenge website: www.gstep.org.gh.
- This form will show you all of the questions that they need to fill out and who needs to fill these out. Please note, some questions are for the **TEACHER** to answer and some are for the **GROUP**.
- The forms will ask questions that the groups have been working on throughout these lessons, so there should be no surprises!
- Please note that, to make a application, you will have to fill out an online application form, which will be available on the GSTEP Challenge website: www.gstep.org.gh. This will be made available before the deadline of 14th April 2023. We recommend, though, that you fill out the application on the editable application form to start with. This will ensure no information is lost.

Student worksheet 6:

Presenting ideas

Activity 1 (30 min): Presenting ideas



As a group, please give a short presentation (up to 3 min) introducing your product or solution, using the prompts below (which you developed in the last lesson).

1. What is your problem statement?
2. Which GSTEP Challenge theme does this relate to?
3. Describe how your product or solution will tackle this problem.
4. What makes your product or solution different from existing inventions?
5. What are the next three steps you are going to take to turn your idea into a reality?
6. How will you advertise or market your product?
7. How did you work together as a team?
8. Are there any ethical risks to your idea? How will you manage these?

Note:

We recommend that you share the drawing that you did at the end of Lesson 3, to help the class visualise your invention.

It is totally understandable if you feel a bit nervous about the presentation. But please remember, this is a great opportunity to share all of their great work with your classmates. This is not a test!

A few tips which might help you:

- Remember to speak loudly, clearly and slowly, so that everyone can hear you.
- You are welcome to have some prompt notes, if this helps you.
- Make sure that everyone in the group has the opportunity to speak. We want to hear from you all!
- This is not a judgemental environment, so please don't worry if you make a mistake.
- And mostly importantly, please enjoy this experience! A lot of hard work has gone into this over the last few weeks.

Student worksheet 6:

Presenting ideas

Activity 2 (15 min): Filling out the application form



Now, the time you've been waiting for... you're ready to fill out your application form!

Note:

- Your teachers will share the application form that you need to fill out. An editable version of the form can be downloaded from the GSTEP Challenge website: www.gstep.org.gh.
- The form will ask you questions that you have been working on throughout these lessons, so there should be no surprises! But if you have any questions, do ask your teacher.
- Remember, there are some fantastic prizes on offer, including cash prizes for your school and gadgets. So, make sure you make your application as good as possible!
- It is likely that you'll need a bit longer than the time you have in this lesson. You'll need to work together as a group to agree how best to divide out the work.
- Your teacher will need to submit this online by 14th April 2023. Good luck!

