

## Verbally explain to others how to do an experiment

Choose a simple experiment and explain to the class how to do it. Your speech should be no more than 3 minutes in length.

You will be assessed against the following rubric:

## Rubric to assess oral presentation / prepared speaking home language

	Code 7	Code 6	Code 5	Code 4	Code 3	Code 2	Code 1
	Outstanding 8-10	Meritorious 7	Substantial 6	Adequate 5	Moderate 4	Elementary 3	Not achieved
				- Independent			0-2
Research skills	Convincing evidence that a wide range of interesting and relevant sources have been consulted	Sound evidence that a wide range of interesting and relevant sources have been consulted New and interesting facts and examples contribute to a well structured presentation	Good evidence that a wide range of interesting and relevant sources have been consulted Interesting facts and examples contribute to a well structured presentation	Satisfactory evidence that relevant sources have been consulted Presentation is interesting and some new and interesting facts and examples have been given	Some evidence that relevant sources were used Presentation is adequate but without the spark of new ideas, facts or information	Limited evidence of partial use of sources Little evidence of research owing to lack of new ideas, facts or information	If sources were used, there is little or no evidence in the presentation Hardly any new ideas Any research done does not contribute to the effectiveness of the presentation
Planning and	A wide range of	Very well	Well planned	Satisfactory	Adequate	Evidence of	No evidence of
organisation	new and	planned	according to	planning according	planning	some planning	planning
of contents	interesting facts and examples make the presentation impressive Thoroughly planned according to task, audience, context and format Striking introduction which immediately grasps audience attention Brilliant	according to task, audience, context and format Very good and appropriate introduction which immediately arouses interest Very good, and sustained development	task, audience, context and format Good and appropriate introduction which arouses interest Good, and sustained development of ideas and argument Content reflects	to task, audience, context and format Reasonably good introduction which still arouses interest Good development of argument which can be followed easily Contents fairly original, but not always creative and insight sometimes lacking Reasonably good	according to task, audience, context and format Introduction adequate which arouses some interest Adequate development of ideas and argument but has problems with cohesion Contents shows	according to task, audience, context and format Some evidence of introduction, but barely arouses interest Some arguments can be followed, but others are inconsistent / can barely be	according to task, context audience or format Introduction poor and arouses no audience interest Cannot sustain argument Shows little understanding of topic
	development of ideas and argument Contents reflects outstanding creativity, originality and mature insight Skilful ending thoroughly drawn together	of ideas and argument Contents reflects creativity originality and some insight Very good conclusion	creativity originality and some insight Good conclusion	ending, but sometimes lacks cohesion	some originality, but not always creative and lacks insight Adequate conclusion, but lacks cohesion	followed Contents is barely original and lacks creativity or originality Hardly any evidence of a conclusion	Contents poor, boring and banal Conclusion lacking
Tone, speaking and presentation skills	Natural delivery, a fluent skilled and animated presenter,	Very good presenter natural and fluent	Good presenter, fluent presentation	Reasonably fluent presenter, but sometimes shows hesitation, style and	Sometimes fluent, but presentation lacks appropriate style and register	Hesitant, lacks expression Lacks fluency, mostly	Inappropriate tone, style and register Sloppy indistinct



Critical	appropriate style and register Clearly audible articulation Eye contact, facial expressions, gestures and body language outstanding, functional and convincing Audience reaction overwhelmingly positive Confident delivery with very little use of notes  Thorough, mature	presentation appropriate style and register Audible articulation Eye contact, facial expressions, gestures and body language functional and convincing Audience interest sustained throughout Notes used effectively and with confidence Very good	appropriate style and register Largely audible articulation Eye contact, facial expressions, gestures and body language largely functional and convincing Audience interest sustained.  Notes used effectively	register mostly appropriate Reasonably clear articulation and audibility Eye contact, facial expressions, gestures and body language reasonably convincing Most members of the audience follow with interest Some dependency on notes but still good contact with the audience	Adequately audible and clear articulation Adequate eye contact, facial expressions, gestures and body language but not always convincing Mixed reaction from the audience Use of notes often detract from presentation  Adequate	inappropriate style and register Articulation not clear and hardly audible Very little eye contact / facial expressions / body language Lack of audience interest shown Dependent on notes  Limited	articulation mostly inaudible Almost non- existent eye contact, inappropriate facial expression and body language No audience contact Totally dependent on notes  Very limited
Critical awareness of language usage	Thorough, mature vocabulary and creative language use Outstanding language manipulation in order to evoke audience response Exceptional awareness of, and sensitivity to respectful language use on cultural issues	Very good mature vocabulary and creative language use Very good language manipulation in order to evoke audience response Very good awareness of, and sensitivity to respectful language use on cultural issues	Good vocabulary and creative language use Good language manipulation in order to evoke audience response Good awareness of, and sensitivity to respectful language use on cultural issues	Reasonably mature vocabulary and creative language use Reasonable language manipulation in order to evoke audience response Reasonable awareness of, and sensitivity to respectful language use on cultural issues	Adequate vocabulary and language use Some language manipulation in order to evoke audience response Moderate awareness of, and sensitivity to respectful language use on cultural issues	Limited vocabulary and language use Struggles to manipulate language in order to evoke audience response Seldom aware or sensitive or respectful to language use on cultural issues	Very limited vocabulary and language Unable to manipulate language Hardly ever aware of sensitive or respectful language use on cultural issues
Choice, design and use of audio and/or visual; aids	Excellent and tastefully appropriate choice and presentation of visual aids Visual aids make an impact on the audience and effectively contribute to the success of the presentation	Very good and appropriate choice and use of visual aids Presenter is able to use visual aides effectively to enhance the presentation	Good and appropriate choice and use of visual aids Presenter is able to use visual aides to enhance the presentation	Visual aids are mostly relevant to the topic Most of the visual aids used contribute to the success of the presentation	Visual aids adequately used, but not always totally appropriate Visual aids do not always contribute to presentation	Seldom uses visual aids Use of aids sometimes clumsy and not functional	Makes no use of visual aids



## **Suggested Solutions**

Here is an example of such a speech:

#### **COLOURING FLOWERS**

#### Overview:

Use colored dyes to follow water up a plant's stem and into the petals (transpiration).

### **Equipment:**

- 1. White flowers Queen Anne's Lace or white carnations work best.
- 2. Water-soluble food coloring, from the local grocery store blue and red work best.
- 3. Container.
- 4. Knife to split the stem if you want to experiment further.

### Safety:

Be careful with the knife if you cut the stem.

## How to do the experiment:

- 1. Add food coloring + water to the container in which you'll place the white flowers. Put the flowers in the container.
- 2. Wait 6-12 hours, and observe. For a better idea of what goes on, check back every few hours to note the level of the food coloring in the plant. Depending on the length of the stem, the white petals should ultimately turn the color of the dye added to the water.
- 3. If you want to experiment further, split the stem into 2, or into thirds, and place each section in a container with different food coloring (white carnations with blue/red/yellow produces an interesting effect. Observe results.

In this speech, research is very important. The learner should have found and researched a simple experiment.

The key is whether or not the learner simply reads the experiment from notes or whether he/she can deliver the speech in an interesting way.

The learner is not asked to demonstrate the experiment, so the final section (highlighted in brown) may be ignored. If you would like to, you could ask for the experiment to be shown, but that might involve difficulty for the learner in providing the equipment.



Use the rubric to assess the learners. The highlighted sections are very important for this task.

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	language outstanding, functional and convincing Audience reaction overwhelmingly positive Confident delivery with very little use of notes	gestures and body language functional and convincing Audience interest sustained throughout Notes used effectively and with confidence	gestures and body language largely functional and convincing Audience interest sustained. Notes used effectively	expressions, gestures and body language reasonably convincing Most members of the audience follow with interest Some dependency on notes but still good contact with the audience	expressions, gestures and body language but not always convincing Mixed reaction from the audience Use of notes often detract from presentation	contact / facial expressions / body language Lack of audience interest shown Dependent on notes	and body language No audience contact Totally dependent on notes
Critical awareness of language usage In this task, the language must be clear, scientific, formal, precise.	Thorough, mature vocabulary and creative language use Outstanding language manipulation in order to evoke audience response Exceptional awareness of, and sensitivity to respectful language use on cultural issues	Very good mature vocabulary and creative language use Very good language manipulation in order to evoke audience response Very good awareness of, and sensitivity to respectful language use on cultural	Good vocabulary and creative language use Good language manipulation in order to evoke audience response Good awareness of, and sensitivity to respectful language use on cultural issues	Reasonably mature vocabulary and creative language use Reasonable language manipulation in order to evoke audience response Reasonable awareness of, and sensitivity to respectful language use on cultural issues	Adequate vocabulary and language use Some language manipulation in order to evoke audience response Moderate awareness of, and sensitivity to respectful language use on cultural issues	Limited vocabulary and language use Struggles to manipulate language in order to evoke audience response Seldom aware or sensitive or respectful to language use on cultural issues	Very limited vocabulary and language Unable to manipulate language Hardly ever aware of sensitive or respectful language use on cultural issues
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