

**MODUL TEKNOLOGI MAKLUMAT
DAN KOMUNIKASI (TMK)**

MODUL APLIKASI



ENGLISH

YEAR ONE





Kata-kata aluan

KETUA PENGARAH PELAJARAN MALAYSIA

Assalamualaikum Warahmatullahi Wabarakatuh,
Salam Sejahtera, Salam 1Malaysia dan Salam Sehati Sejiwa.

Kurikulum Standard Sekolah Rendah (KSSR) Semakan 2017 akan dilaksanakan secara berperingkat-peringkat bermula di Tahun 1 pada 2017. Salah satu fokus utama dalam kurikulum ini adalah Modul Teknologi Maklumat dan Komunikasi (TMK).

Modul TMK adalah berfokuskan kepada Kemahiran Pemikiran Komputasional (KPK) sejajar dengan perubahan trend global. Modul TMK akan disepadukan dalam mata pelajaran di sekolah rendah secara berperingkat bermula dengan Tahun 1. Melalui KPK murid dilatih berfikir secara logik dan sistematik dalam menyelesaikan masalah dengan menggunakan prinsip asas sains komputer melalui kemahiran yang terdapat dalam perisian pemproses kata, persembahan, hamparan elektronik, penyuntingan audio, penyuntingan video, penyuntingan grafik, pengaturcaraan dan algoritma.

Pelaksanaan Modul TMK dalam KSSR (Semakan 2017) adalah bertujuan bagi memastikan murid berupaya mengaplikasi kemahiran, mengukuhkan pengetahuan dan menghayati nilai serta etika dalam penggunaan TMK agar dapat melahirkan murid yang boleh mencipta dan berinovasi.

Saya bagi pihak Kementerian Pendidikan Malaysia merakamkan setinggi-tinggi penghargaan kepada semua pihak terlibat terutamanya kepada Perbadanan Ekonomi Digital Malaysia (MDEC) dalam penyediaan Modul TMK ini. Saya berharap usaha murni ini dapat memenuhi visi pendidikan dan aspirasi murid untuk keperluan negara pada masa hadapan.

Sekian, terima kasih.

TAN SRI DR KHAIR BIN MOHAMAD YUSOF

PENDAHULUAN

Modul Aplikasi ialah modul yang mengandungi kemahiran TMK yang diajar melalui pengintegrasian dalam mata pelajaran sedia ada. Sekolah hendaklah melaksanakan Modul TMK yang disediakan oleh Kementerian Pendidikan Malaysia (KPM) mengikut Dokumen Standard Kurikulum dan Pentaksiran (DSKP) yang bersesuaian dengan mata pelajaran tersebut.

Modul Aplikasi yang disediakan perlu dilaksanakan oleh murid dengan bimbingan guru mata pelajaran masing-masing dalam peruntukan waktu mata pelajaran. PdP Modul TMK boleh dilaksanakan di makmal komputer atau dalam bilik darjah mengikut kesesuaian kemahiran TMK yang hendak diajar. Guru perlu merujuk Buku Panduan Pelaksanaan Modul TMK yang memperincikan kaedah pengintegrasian TMK dalam pengajaran dan pembelajaran. Buku tersebut boleh dimuat turun di laman sesawang <http://bpk.moe.gov.my/>.

Standard Kandungan dan Standard Pembelajaran bagi mata pelajaran Bahasa Inggeris Tahun 1 (2017) yang terlibat dalam pengintegrasian kemahiran TMK adalah seperti berikut:

INDUCTION

Content Standard	Learning Standard	ICT Components	ICT Skills	hardware/ software used
<p>3.3 Pupils will be able to listen to create and present ideas through a variety of media for different purposes using appropriate language, form and style.</p>	<p>3.3.1 Create simple non-linear and linear texts using a variety of media with guidance.</p>	<p>1.0 Present idea and information in a creative and innovative manner using Information Communication and Technology (ICT).</p>	<p>1.1 Type, select or edit text.</p> <p>1.2 Insert text box, image, table, audio or video.</p> <p>2.1 Use search engine to look for information in the form of texts or images using the right keywords on the search engine.</p>	<p>i. Presentation software</p>
<p>4.4 Pupils will be able to plan, organize and produce creative works for enjoyment.</p>	<p>4.4.1 Plan, produce and present creative works: ii. rhymes with guidance</p>	<p>1.0 Present idea and information in a creative and innovative manner using Information Communication and Technology (ICT)</p> <p>2.0 Search, collect, process and use information through ICT</p>	<p>1.1 Type, select or edit text.</p> <p>1.2 Insert text box, image, table, audio or video.</p> <p>1.6 Produce multimedia creations.</p> <p>2.1 Use search engine to look for information in the form of texts, or images using the right keywords on the search engine.</p>	<p>i. Presentation software</p> <p>ii. Search engine/ web browser</p>



MODULE

LEARNING STANDARD 3.3.1

Learning Standard 3.3.1

Create simple non-linear and linear texts using a variety of media with guidance

CONTENT	PAGES
Lesson Plan	5
Appendix 1	11
Appendix 2	12
Appendix 3	13
Appendix 4	14
Worksheet 1	15
Evaluation Rubric	17

Basic ICT Skills Checklist

Before starting the TnL, the teacher must determine whether students have mastered basic ICT skills as follows:

No.	Basic ICT Skills
1	Type text in Microsoft PowerPoint
2	Insert image in Microsoft PowerPoint
3	Insert text box in Microsoft PowerPoint
4	Web browser

3.3.1 NON-LINEAR AND LINEAR TEXTS

Lesson Plan

Content Standard

- 3.3 Pupils will be able to create and present ideas through a variety of media for different purposes using appropriate language, form and style.

Learning Standard

Pupils will be able to

- 3.3.1 Create simple non-linear and linear texts using a variety of media with guidance.

Teaching Aids:

For class

- i. Appendix 1
- ii. Appendix 2
- iii. Appendix 3
- iv. Appendix 4
- v. Computers with internet

For every pupil

- i. Worksheet 1

Additional Resources:

Using Powerpoint to create posters:

- a. <http://www.simonhaughton.co.uk/2011/03/teaching-children-how-to-create-power-point-posters.html>

Kids Powerpoint Templates:

- a. <http://www.smiletemplates.com/kids/powerpoint-templates/0.html>

Mapping with ICT Skills Modules

- i. Module Microsoft PowerPoint 1: Text in Microsoft PowerPoint
- ii. Web Browser

Time:

1 hour

ICT Skills:

- 1.1 Type, select or edit text.
- 1.2 Insert text box, image, table, audio or video.
- 2.1 Use search engine to look for information in the form of texts or images using the right keywords on the search engine.

Learning objective

Pupils will be able to create a poster on a fruit that they would like to promote using Microsoft Powerpoint.

Theme: The World of Knowledge

INDUCTION SET

1. Pupils are shown a picture from Appendix 1.



2. Pupils are asked with questions like :
 - i. What can you see in this picture?
 - ii. What are the fruits you can find on the table? Describe the fruit(s).
 - iii. Which fruit(s) do you like the most? Why?
 - iv. How much is:
 - a. A durian?
 - b. A mango?
 - c. A bunch of rambutan?
 - d. A comb of bananas?
 - e. A mangosteen?
 - f. A watermelon?

REMARKS

- i. Appendix 1

INDUCTION

ACTIVITY 1: INTRODUCTION

1. Pupils are encouraged to name and describe other fruits that they can find in Malaysia.
 - i. Teacher asks: Can we describe the colour and shape of the fruits?
2. Pupils are given Worksheet 1 to help them with words describing colours and shapes of fruits.
3. Once the worksheets are completed, pupils practise saying the names of fruits from the picture in Appendix 1, and the colours and shapes of fruits from Worksheet 1 with the teacher's guidance.

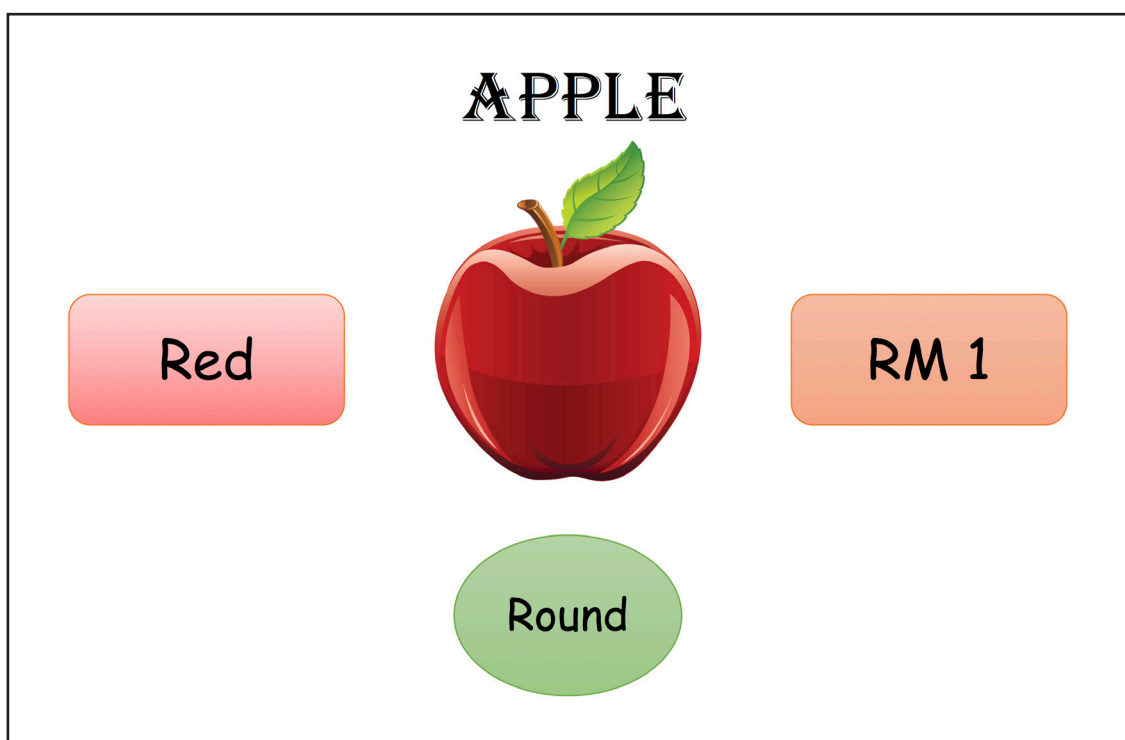
REMARKS

i. Worksheet 1

ACTIVITY

ACTIVITY 2 : BUILDING POSTER

1. Pupils are asked for creative ideas on how they can make the stall in the picture (Appendix 1) look more interesting.
 - i. How can we help the fruit seller makes his stall looks more interesting?
 - ii. How can we help the fruit seller sells more fruits?
2. Pupils are given a task to design a poster for the fruit of their choice, to help the fruit seller promotes local fruits using Microsoft Powerpoint.
3. Pupils will search the image of the fruit using computers with internet and add textboxes to describe the name, colour and shape of the fruit. (Refer to Appendix 2)



REMARKS

Teaching Aids:
i. Appendix 2
ii. Microsoft Powerpoint
iii. Computers

ICT SKILLS

i. 1.1
ii. 1.2
iii. 2.1

ACTIVITY

ACTIVITY 3 : WRITING SENTENCES

1. Pupils are given sentence stems to describe the fruit that they are promoting.

2. For example:

This is an apple.

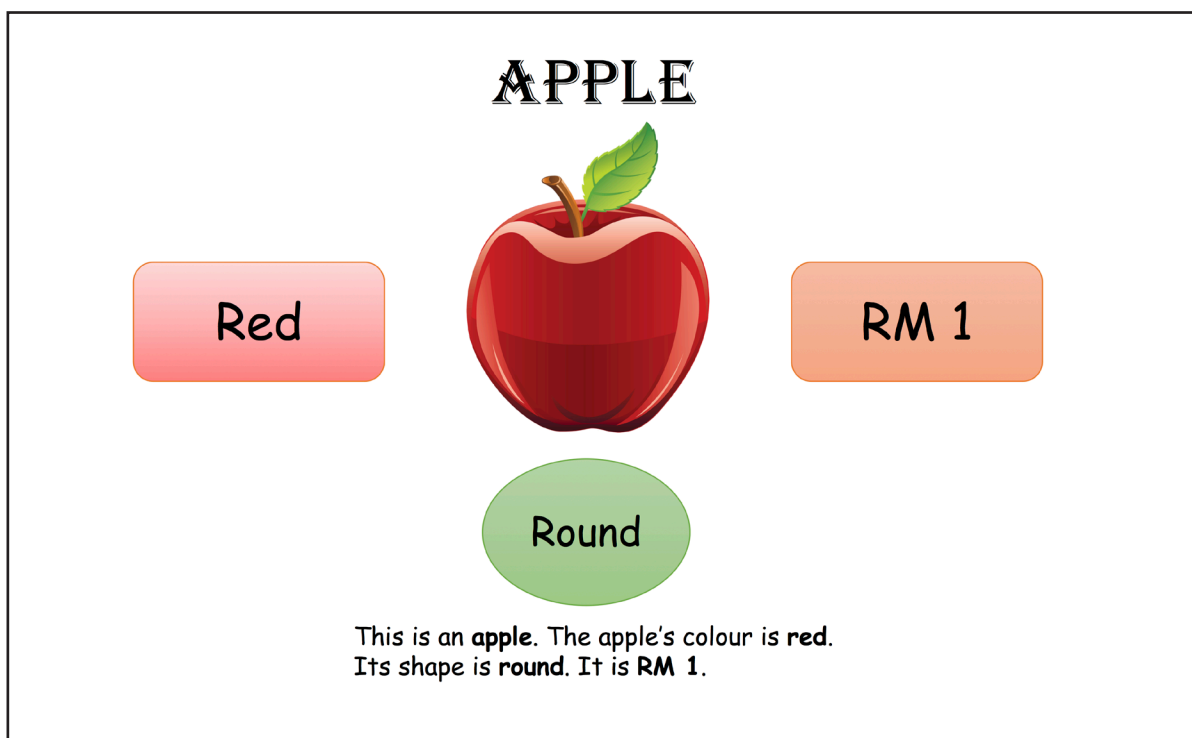
The apple's colour is red.

Its shape is round.

It is RM 1.

3. Pupils will type out the sentences below their poster. (Refer to Appendix 3)

Example:



REMARKS

Teaching Aids:

- i. Microsoft Powerpoint
- ii. Computers
- iii. Appendix 3

ICT SKILLS

- i. 1.1
- ii. 1.2

ACTIVITY

ADDITIONAL ACTIVITY: VOTING AND SHARING SESSION

1. Once the posters are completed, every pupil is given five pieces of RM 1 (printable play money) which they will use to vote for their favourite poster.
2. Pupils will pay the amount mentioned in the poster, as a way of voting for their favourite poster.
3. Pupils are reminded to vote for their favourite poster and not just their favourite fruit.
4. The pupil that receives the most money will present his/her poster by describing the fruit that he/she promotes.
5. Teacher evaluates the posters for its content, sentence structure and design.

REMARKS

i. Appendix 4

CLOSING

1. Teacher reviews today's lesson with the pupils and asks:
 - i. What are the different fruits you have promoted today?
 - ii. What are the shapes and colours you have learned?
 - iii. Will you be able to design posters using computers next time?
2. Teacher congratulates pupils for completing the task and designing their own poster.

APPENDIX 1



Show this on Computer

APPENDIX

APPENDIX 2

APPLE



Red

RM 1

Round

Show this on Computer

APPENDIX

APPENDIX 3

APPLE



Red

RM 1

Round

This is an **apple**. The apple's colour is **red**.
Its shape is **round**. It is **RM 1**.

Show this on Computer

APPENDIX

APPENDIX 4



Print according to the number of pupils.
Each pupil should only get RM5.

APPENDIX

WORKSHEET 1

Fill in the blanks.

NAME :

DATE :

COLOURS



RED



BLUE



GREEN



YELLOW



PURPLE

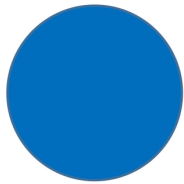


ORANGE

Print for every pupil

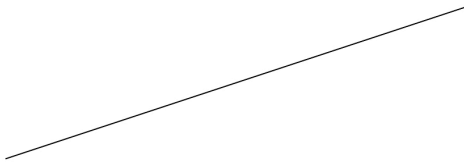
WORKSHEET

SHAPES



R

D



L

G

WORKSHEET

Evaluation Rubric

Name :

Year :

Date :

No.	ICT Component	ICT Skills	Level		
			Satisfactory 1	Intermediate 2	Excellent 3
1.	1.0 Present idea and information creatively and innovatively through ICT.	1.1 Type, select or edit text.	<p>Pupil is able to type/insert text in Microsoft PowerPoint by referring to the Basic ICT Skills Module, and with teacher's guidance.</p> <div></div>	<p>Pupil successfully types/inserts text in Microsoft PowerPoint with little guidance from teacher and the Basic ICT Skills Module.</p> <div></div>	<p>Pupil exceeds satisfactory level of mastery by exhibiting skills without guidance from teacher and the Basic ICT Skills Module.</p> <div></div>

No.	ICT Component	ICT Skills	Level		
			Satisfactory 1	Intermediate 2	Excellent 3
2.	1.0 Present idea and information creatively and innovatively through ICT.	1.2 Insert text box, image, table, audio or video.	<p>Pupil is able to type/insert text in Microsoft PowerPoint by referring to the Basic ICT Skills Module, and with teacher's guidance.</p> <div></div>	<p>Pupil successfully types/inserts text in Microsoft PowerPoint with little guidance from teacher and the Basic ICT Skills Module.</p> <div></div>	<p>Pupil exceeds satisfactory level of mastery by exhibiting skills without guidance from teacher and the Basic ICT Skills Module.</p> <div></div>
3.	2.0 Search, collect, process and use information through ICT.	2.1 Use search engine to look for information in the form of texts or images using the right keywords on the search engine.	<p>Pupil is able to use search engine to look for information by referring to the Basic ICT Skills Module, and with teacher's guidance.</p> <div></div>	<p>Pupil successfully search information with little teacher's guidance and the Basic ICT Skills Module.</p> <div></div>	<p>Pupil exceeds satisfactory level of mastery by searching for accurate information without guidance from teacher and Basic ICT Skills Module.</p> <div></div>



MODULE

LEARNING STANDARD 4.4.1

Learning Standard 4.4.1

Plan, Organise and Produce Creative Works for Enjoyment

CONTENT	PAGES
Lesson Plan	21
Worksheet 1	25
Appendix 1	26
Answer	27
Evaluation Rubric	28

Basic ICT Skills Checklist

Before starting the TnL, the teacher must determine whether students have mastered basic skills as follows:

No.	Basic ICT Skills
1	Type and delete text in Microsoft PowerPoint
2	Insert text in Microsoft PowerPoint
3	Insert image from clipart in Microsoft PowerPoint
4	Copy and paste image from online source
5	Insert image from files in Microsoft PowerPoint
6	Search for image

4.4.1

RHYMES WITH GUIDANCE

Lesson Plan

Content Standard

- 4.4 Pupils will be able to plan, organise and produce creative works for enjoyment

Learning Standard

Pupils will be able to

- 4.4.1 Plan, produce and present creative works:
ii. Rhymes with guidance

Language Focus:

Language Arts

Theme:

World of Self, Family and Friends

Topic:

Animals

Time:

1 hour

ICT Skills:

- 1.1 Type, select or edit text
- 1.2 Insert text boxes, images, tables, audio or video
- 1.6 Produce multimedia creations
- 2.1 Use search engine to look for information in the form of texts or images using the right keywords on the search engine

Learning objective

Pupils will be able to create a rhyme with Microsoft PowerPoint presentation.

Teaching Aids:

For class

- i. Computers
- ii. Microsoft PowerPoint file: Lesson2_Objective4.4_BaaBaaBlackSheepLyrics.ppt
- iii. Baa Baa Black Sheep video: <https://www.youtube.com/watch?v=j0DpALyfHM4>

For every pupil

- i. Microsoft PowerPoint file: Lesson4.4.1_Worksheet2.pptx
- ii. Appendix 1
- iii. Appendix 2
- iv. Worksheet 1

Additional Resources:

List of rhymes: <http://www.rhymes.net/>

Mapping with ICT Skills Modules

- i. Microsoft PowerPoint 1 Module: Text in Microsoft PowerPoint
- ii. Microsoft PowerPoint 2 Module: Shape in Microsoft PowerPoint
- iii. Microsoft PowerPoint 4 Module: Image in Microsoft PowerPoint
- iv. Web browser module

INDUCTION SET

1. Pupils sing along the song “Baa Baa Black Sheep”.
Song lyrics: Lesson2_Objective4.4_BaaBaaBlackSheepLyrics.ppt
2. Pupils discuss with the teacher about what they like about the song.

TEACHING AID

- i. Example of Baa Baa Black Sheep video:
<https://www.youtube.com/watch?v=j0DpALyfHM4>
- ii. Microsoft PowerPoint File:
Lesson2_Objective4.4_BaaBaaBlackSheepLyrics.ppt

INDUCTION

ACTIVITY

1. Teacher explains to the group about the task how to create a rhyme.
2. Teacher guides pupils step by step throughout the task.
3. Group task:
 - a. Pupils are given Worksheet 1. Pupils complete Worksheet 1 in their respective groups.
 - b. Pupils are given Worksheet 2 in Microsoft PowerPoint format.
(file name: Lesson4.4.1_Worksheet2.pptx)
Pupils have to fill in the missing word with a rhyming word. Pupils use Worksheet 1 as reference.
 - c. Pupils search images from the internet using the rhyming words as the key words to search for.
 - d. Pupils insert the searched images into the given Microsoft PowerPoint file.

Example:



4. Each group takes turn to present their rhyme together using Microsoft PowerPoint presentation.
5. While the group is presenting, the other groups are given scoresheet to rate their peers.
(Appendix 1)
6. After every group has presented, teacher collects all the scoresheets filled in by pupils.

REMARKS

Teaching Aids:
i. Computers
ii. Microsoft PowerPoint
iii. Internet
iv. Worksheet 1
v. Microsoft PowerPoint file:
Lesson4.4.1_Worksheet 2.pptx

ICT

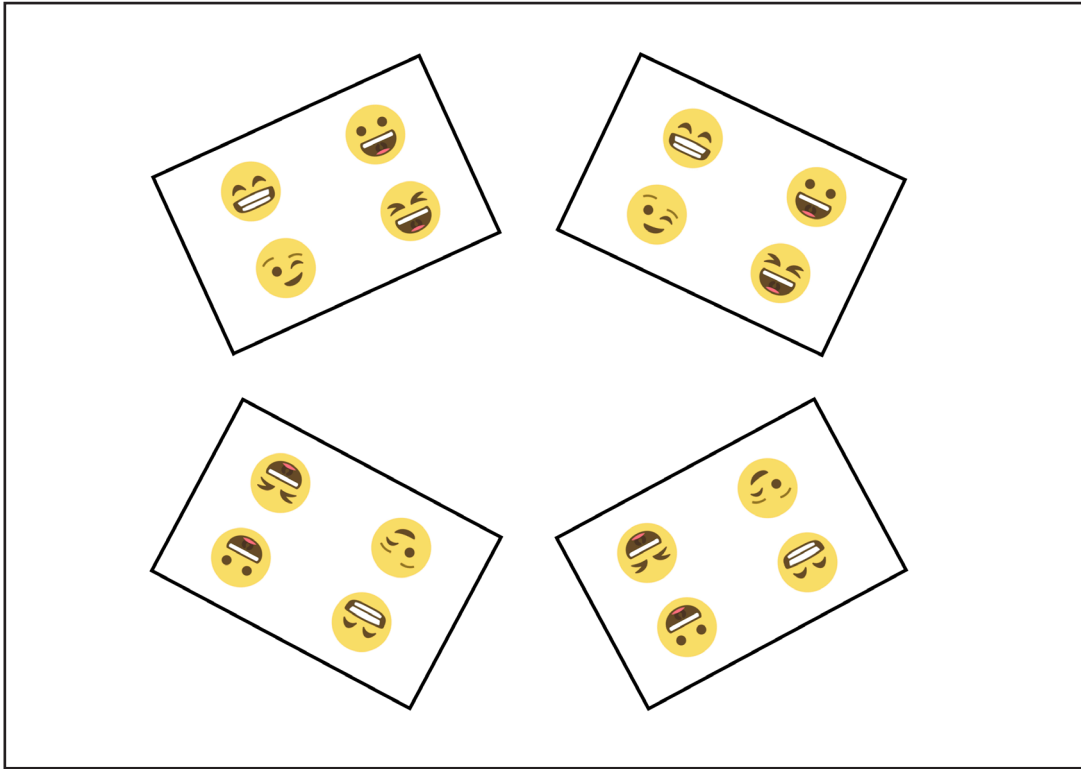
- i. 1.6
- ii. 2.1

ACTIVITY

CLOSING

1. After every group has presented, teacher runs a reflection session.
2. Teacher gathers the pupils into a circle.

Class arrangement:



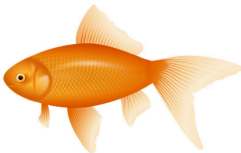











3. Teacher shares feedback given by the pupils in the scoresheet for each group.
4. Each group shares their experience presenting a rhyme.

CLOSING

WORKSHEET 1

Circle a picture in each row that rhymes with the first word in the box.

<p>Pat</p> 	<p>Cat</p> 	<p>Fish</p> 	<p>Dog</p> 
<p>Play</p> 	<p>Clock</p> 	<p>Birthday</p> 	<p>Sun</p> 
<p>Bear</p> 	<p>Rose</p> 	<p>Ring</p> 	<p>Pear</p> 

WORKSHEET

APPENDIX 1

Instructions for teachers: Give out as many scoresheets to each team as the number of team in the class. Briefly explain to pupils how to use the scoresheets.

Instructions: Circle the number of stars you think the group should get for each category.

GROUP: _____

Good and meaningful picture in PowerPoint presentation



Voice is loud and clear



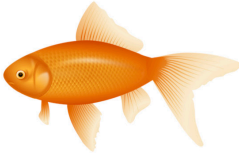





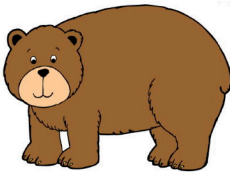





APPENDIX

ANSWER

WORKSHEET 1

Circle a picture in each row that rhymes with the first word in the box.

Pat 	Cat 	Fish 	Dog 
Play 	Clock 	Birthday 	Sun 
Bear 	Rose 	Ring 	Pear 

WORKSHEET

Evaluation Rubric

Name :

Year :

Date :

NO.	ICT Component	ICT Skills	Level		
			Satisfactory 1	Intermediate 2	Excellent 3
1.	1.0 Present idea and information creatively and innovatively through ICT.	1.1 Type, select or edit text.	<p>Pupil is able to type text in Microsoft PowerPoint by referring to the Basic ICT Skills Module, and with teacher's guidance.</p> <div></div>	<p>Pupil successfully types text in Microsoft PowerPoint with little guidance from teacher and the Basic ICT Skills Module.</p> <div></div>	<p>Pupil exceeds satisfactory level of mastery by exhibiting skills without guidance from teacher and the Basic ICT Skills Module.</p> <div></div>

No	ICT Component	ICT Skills	Level		
			Satisfactory 1	Intermediate 2	Excellent 3
		1.2 Insert text boxes, images, tables, audio or video.	<p>Pupil is able to insert images from clipart in Microsoft PowerPoint by referring to the Basic ICT Skills Module, and with teacher's guidance.</p> <input type="checkbox"/>	<p>Pupil successfully inserts images from clipart in Microsoft PowerPoint with little guidance from teacher and the Basic ICT Skills Module.</p> <input type="checkbox"/>	<p>Pupil exceeds satisfactory level of mastery by exhibiting skills without guidance from teacher and the Basic ICT Skills Module.</p> <input type="checkbox"/>
		1.6 Produce multimedia creations.	<p>Pupil is able to insert images from files in Microsoft PowerPoint by referring to the Basic ICT Skills Module, and with teacher's guidance.</p> <input type="checkbox"/>	<p>Pupil successfully inserts images from files in Microsoft PowerPoint with little guidance from teacher and the Basic ICT Skills Module.</p> <input type="checkbox"/>	<p>Pupil exceeds satisfactory level of mastery by exhibiting skills without guidance from teacher and the Basic ICT Skills Module.</p> <input type="checkbox"/>

No	ICT Component	ICT Skills	Level		
			Satisfactory 1	Intermediate 2	Excellent 3
			<p>Pupil is able to copy and paste images from online source by referring to the Basic ICT Skills Module, and with teacher's guidance.</p> <input type="checkbox"/>	<p>Pupil successfully Copy and Paste images from online source with little guidance from teacher and the Basic ICT Skills Module.</p> <input type="checkbox"/>	<p>Pupil exceeds satisfactory level of mastery by exhibiting skills without guidance from teacher and the Basic ICT Skills Module.</p> <input type="checkbox"/>
3.	2.0 Search, collect, process and use information through ICT.	2.1 Use search engine to look for information in the form of texts or images using the right keywords on the search engine.	<p>Pupil is able to search for images from online sources by referring to the Basic ICT Skills Module, and with teacher's guidance.</p> <input type="checkbox"/>	<p>Pupil successfully search for images from online sources by referring to th with little guidance from teacher and the Basic ICT Skills Module.</p> <input type="checkbox"/>	<p>Pupil exceeds satisfactory level of mastery by exhibiting skills without guidance from teacher and the Basic ICT Skills Module.</p> <input type="checkbox"/>