

## SUGGESTED MATERIALS, TOOLS AND EQUIPMENT IN TEACHING DIFFERENT SUBJECT AREAS



### ELEMENTARY

#### ❖ GENERAL REFERENCE FOR ALL SUBJECTS

1. **interactivites.weebly.com** - Math, Science, English, Social Studies, Art, Music, ICT-Typing with Brain Teasers for advance pupils.
2. **e-learningforkids.org** - Math, Science, English, Computer Education, Environmental Skills, Health, Life Skills/Values and Language Arts in k to 6 year level.
3. **knowledgeadventure.com** - (Lesson Activities and Educational Games in) Math, Science and English
4. **neok12.com** - Math, English, Social Studies, History, Geography, Physical Science, Life Science, Earth Science and Human Body
5. **mrnussbaum.com** - Solar System, Math, Science, Language Arts, History and Geography with interactive videos from K to 6 grade level.
6. **resources.woodlands-junior.kent.sch.uk** - Math, English, Science, History and Geography

#### ❖ ENGLISH

1. **speakaboos.com** - popular story telling website with animations
2. **learnoutloud.com** - audio book website on almost all subjects in different languages
3. **translate.google.com** - language translation to almost 100 languages worldwide
4. **booksshouldbefree.com** - audio book ( audio story telling in different subject area)
7. **toondoo.com** - comics story making site
8. **englishteachermelanie.com** - about pronunciation, reading, grammar, vocabulary and podcast

#### ❖ MATHEMATICS

1. **ixl.com** - applicable from k1 to grade 6 in all mathematics field
2. **teacherled.com** - Interactive whiteboard resources for teachers in teaching mathematics
3. **e-turo.org**
4. **mathsisfun.com**
5. **onlinemathlearning.com**
6. **mybookezzz.com**

#### HEKASI

1. **beyondintractability.org**
2. **kkhsou.in**
3. **slideshare.net**

#### ❖ ARALING PANLIPUNAN

1. **ejunto.com** - history telling site

#### ❖ TECHNOLOGY AND LIVELIHOOD EDUCATION/ICT

1. **teach-ict.com**

#### ❖ FREE HOSTING SITES

1. **Simplesite.com**
2. **Weebly.com**

3. **Wix.com**
4. **Yolasite.com**
5. **Webhost.com**

❖ **How to integrate Technology in the classroom**

1. **edudemic.com**
2. **jbtalkonline.blogspot.com**

**OFFLINE RESOURCES on CD:**

RESOURCES	APPLICATION	METHOD
1. Encarta Encyclopedia Interactive	All subjects	Downloaded (PnP)
2. Miriam Dictionary Interactive	All subjects	Downloaded (PnP)
3. English Grammar Video	English	Plug and Play
4. Math Type	All Math subjects	Downloaded (PnP)
5. KTEST	TLE-ICT /PC Operation	Downloaded (PnP)
6. Letter Chase	TLE-ICT /PC Operation	Downloaded (PnP)
7. Typing Master	TLE-ICT /PC Operation	Downloaded (PnP)

❖ **MATHEMATICS**

1. **wolframalpha.com** - an interactive website in all fields mathematics
2. **mathtv.com** - an interactive video tool for teaching mathematics
3. **teacherled.com** - Interactive whiteboard resources for teachers in teaching mathematics
4. **illuminations.nctm.org** - Applicable to all year level in mathematics

❖ **SCIENCE**

1. **zygote.com** - Biology and Human Anatomy
2. **arkive.org** - its all about animal
3. **tech4learning.com** - pixie, wixie, frame and share application
4. **eschooltoday.com** - Science, Astronomy, Biology
5. **norweco.com** - slide microscope
6. **school.discoveryeducation.com** - virtual electron microscope
7. **johnkyrk.com** - Central Dogma of Molecular Biology
8. **wiley.com** - Interactive cell
9. **cellsalive.com** - Interactive cell
10. **smithlifescience.com** - Cells and the Development of Cell Theory
11. **learn.genetics.utah.edu** - cellular theory /travel inside the cellular space
12. **kidsastronomy.com** - Astronomy
13. **sciencekids.co.nz** - experiment, project, lessons, videos, games,



**SECONDARY**

❖ **GENERAL REFERENCE FOR ALL SUBJECTS**

1. **instagrok.com** - an interactive tool for teaching any topic.
2. **khanacademy.org** - an interactive website for teaching any topic
3. **earnerstv.com** - an interactive video tool for teaching any topic.
4. **studystack.com** - educational games for a lot of subjects
5. **neok12.com** - Math, English, Social Studies, History, Geography, Physical Science, Life Science, Earth Science and Human Body
6. **creativeeducator.tech4learning.com** - Math, Science, Language Arts, Social Studies and visual Arts
7. **ch-12 foundation.org** - Math and General Science

❖ **ENGLISH**

1. **grammaropolis.com** - Interactive website for teaching English
2. **librivox.org** - audio book ( audio story telling in different languages)
3. **thoughtaudio.com** - audio book ( audio story telling in different languages)
4. **booksshouldbefree.com** - audio book ( audio story telling in different subject area)

**SUGGESTED SUPPLIES & MATERIALS FOR TEACHING-LEARNING  
INSTRUCTION in LANGUAGE/ COMMUNICATION ARTS ENGLISH &  
FILIPINO  
(Kindergarten, Elementary & Secondary)**

**I. BIG BOOKS**

1. Cartolina
2. Cellophane
3. Colored paper
4. Colored pens
5. Crayons
6. Paste
7. Pentel pens(black,blue,red)
8. Staple wire # 35
9. Stapler # 35
- 10 Water cellophane( cover )
- 11 Masking tape
- 12 Scissors

**II. FLASH CARDS**

1. Ruler
2. Tag board
3. Ink (refill)

**III CHARTS**

1. Coupon bond
2. Manila paper
3. Sign marker

**IV POCKET CHARTS**

1. Water cellophane
2. Push pins

**V. PUPILS'/STUDENTS' KIT/PORTFOLIO**

1. Plastic envelope
2. Sticker for labeling

**VI. FLANEL BOARD**

1. Flanel cloth
2. Needle & thread
3. Sand paper
4. Tag board

**VI. PUPPETS(FINGER /HAND)**

1. Paper
2. Pentel pens (red, black,blue)

**VII. OTHERS;**

1. Sign pen (red, black, blue)
2. Cork board
3. Clay (colored & non-toxic)
4. Cartoon characters stickers
5. Bond paper
6. Computer ink
7. Folders
8. Paper Fastener

**SUGGESTED SUPPLIES & MATERIALS FOR TEACHING-LEARNING INSTRUCTION  
In ARALING PANLIPUNAN**

1. Globe
2. Maps
3. Charts

**SUGGESTED MATERIALS, TOOLS AND EQUIPMENT IN TEACHING EPP  
( HOME ECONOMICS, AGRICULTURE, INDUSTRIAL ARTS, AND ENTREPRENEURSHIP )**

COMPONENT : **AGRICULTURE**

**GRADE : 4 - 6**

	<b>MATERIALS</b>	<b>TOOLS</b>	<b>EQUIPMENT</b>
	water hose	grass cutter	
	seeds	hedge shears	
	nylone twine	hoe	
	flower pot rubber	rake	
	pail ( bucket )	hole digger small	
	dipper	shovel	
	gloves	mattock	
	boots	set of throwels	
	sprinkler	wheel barrow	
	budding tape	claw hammer	
	sack	pruner	
	cellophane gloves	non pointed bolo	
	sprayer/snapsack	pointed bolo	
	cellophane black for nursery	cross cut saw	
	nylone	titch fork	
		hatchet	
		hacksaw	
		hand shovel	
		hand rake	

**SUGGESTED MATERIALS, TOOLS AND EQUIPMENT IN TEACHING EPP  
( HOME ECONOMICS, AGRICULTURE, INDUSTRIAL ARTS, AND ENTREPRENEURSHIP )**

COMPONENT : **HOME ECONOMICS**

**GRADE : 4 - 6**

	<b>MATERIALS</b>	<b>TOOLS</b>	<b>EQUIPMENT</b>
	needles	tape measure	sewing machine
	thread	french curve	gas range
	pins	shears	refrigerator
	thimble	scissors	mixer
	pins cushion	laddle	blender
	satin cloth	kettle	desktop for Entrepreneurialship
	silencer	carajay	
	oxford cloth	mortar and pestle	
	gina earth	steammer	
	crochet hook	chopping board	
	crochet thread	mixing bowl	
	cross stitch cloth	baking tins	
	crosss stitch needle	muffin tins	
	cross stitch thread dmc	molder	
		measuring cup	
		measuring spoon	
		measuring glass	
		knife	
		can opener	
		kneadle	

		thermos	
		Electric Airpot	
		Hot and cold dispenser	

**SUGGESTED MATERIALS, TOOLS AND EQUIPMENT IN TEACHING EPP  
( HOME ECONOMICS, AGRICULTURE, INDUSTRIAL ARTS, AND ENTREPRENEURSHIP )**

COMPONENT : **INDUSTRIAL ARTS**

**GRADE : 4-6**

	<b>MATERIALS</b>	<b>TOOLS</b>	<b>EQUIPMENT</b>
	plywood	crosscut saw	portable welding machine
	wood	rip saw	grinder
	sand paper	cooping saw	
	paint latex/enamel	hack saw	
	paint brush	ruler	
	textile paint	pull push rule	
	emulsion	metrong tiklupin	
	silk screen	L-square	
	gloves	claw hammer	
	coater	tinner snip	
	packaging tape	plier	
	thinner	screw driver flat/philip	
	wood glue	plane manual	
	bamboo	plane electric	
	sanding sealer	hand drill manual	
	clear gloos	hand drill electric	
		liyabe tubo	
		kikil	
		bench vise	
		hasaan	
		drier/blower	

**SUGGESTED SUPPLIES & MATERIALS FOR TEACHING-LEARNING INSTRUCTION  
IN MAPEH (ELEMENTARY/SECONDARY)**

**PHYSICAL EDUCATION:**

Whistle	Cartolina
Volleyball Net (Elementary)	Index Card
Volleyball Net (Secondary)	Meter Sticks
Volleyball Ball (Elementary)	Rulers
Volleyball Ball (Secondary)	Stopwatch
Basketball Ball (Elementary)	Manila Paper
Basketball Ball (Secondary)	Shuttlecocks
Football Ball (Elementary)	Arnis padded sticks
Football Ball (Secondary)	Warning Device (cones)
Sipa Takraw Net (Elementary)	Pentel Pens
Sepak Takraw Net (Secondary)	Badminton Net
Sipa Takraw Ball (Elementary)	Tape Measure
Sepak Takraw Ball (Secondary)	Chess Board
Lawn Tennis Ball	

Illustrations for HIV, AIDS/STI  
 Cartolina  
 Pentel Pen  
 Folders  
 Manila Paper  
 Paper Clips

#### HEALTH

20/20 Vision Chart  
 Ruler  
 Glue  
 Scotch Tape  
 First Aid Kits  
 Bond Paper

Cartolina  
 Glue  
 Pentel Pen  
 Manila Paper

#### MUSIC

Scissors  
 Pitch Pipes  
 Scotch Tape  
 Bond Paper

Molding Clay  
 Stick Glue  
 Cartolina  
 Pencil  
 Pentel Pen  
 Pastel Crayon  
 Oil Paint  
 Water Cellophane  
 Thumbtacks  
 Thread  
 Popsicle Sticks  
 Folders

#### ARTS

Art Paper/Colored Paper  
 Illustration Board  
 Manila Paper  
 Crayon  
 Scissors  
 Paint/Brush  
 Canvass  
 Liquid Glue  
 Silver Dust  
 Water Color  
 Soap

### LIST OF SUGGESTED TEACHING-LEARNING MATERIALS FOR GENERAL USE IN GRADE 3-10 SCIENCE

Biology	Beaker Bond paper Cotton Dice Dropper Glass slide and cover slip Graduated cylinder Hand lens Iodine solution Knife Magnifying lens Manila paper Muriatic acid NaOH Paper towel Pen Pen Plastic bag Plastic gloves Tissue paper Tweezers
Chemistry	Aluminum Baking soda Ball Balloon Beaker Benzoic acid Coffee stirrer Connecting wires Cooking oil Copper wire Crayons Denatured alcohol (for alcohol lamp) Distilled water Dropper

Chemistry	<p>           Dry cell            Evaporating dish            Filter paper or katsa            Food color            Funnel            Graduated cylinder            HCl or muriatic acid            Iodine            Iron nails            Litmus paper            Magnesium ribbon            Manila paper            Marker            Meter stick            NaOH            Paper            Plastic syringe            Steel wool            Stirrer            String            Sulfur            Syringe (30 mL)            Tape            Tawas            Watch glass            Zinc         </p>
Earth Science	<p>           1 big ball (plastic or Styrofoam ball)            1 small ball (diameter must be about <math>\frac{1}{4}</math> of the big ball)            Basin            candle            Cardboard            Clay            Colored pens            flashlight or other light source            Flour            Food color            Glue            knife or scissors            Magnifying glass            Markers            Masking tape            paper bag            Paper clip            Rubber band            Ruler (wood and plastic)            Scissors            Styrofoam block or block of wood as a base            transparent tape            World map         </p>
Physics	<p>           1.5- watt bulb/ LED            2-meter copper wires/ wires with alligator clips            3- or 1.5-volt battery            Aluminum pie container            Balloon            BBQ stick            Beads            Beaker            Cardboard            colored plastic cellophane            Connecting wire            Denatured alcohol (for burner)            Dropper            Dry cell with holder            Fastener            Flashlight            Flashlight lamp with holder         </p>

	Food color Glue Graduated cylinder Illustration board Magnifying glass Marker (pentel pen) Masking tape Meter stick Pen light pliers/ wire cutter Rubber band Ruler Scissors Short candle Slinky spring Sponge Stapler Styrofoam cup Switch Thumbtacks Zip lock bag
--	---