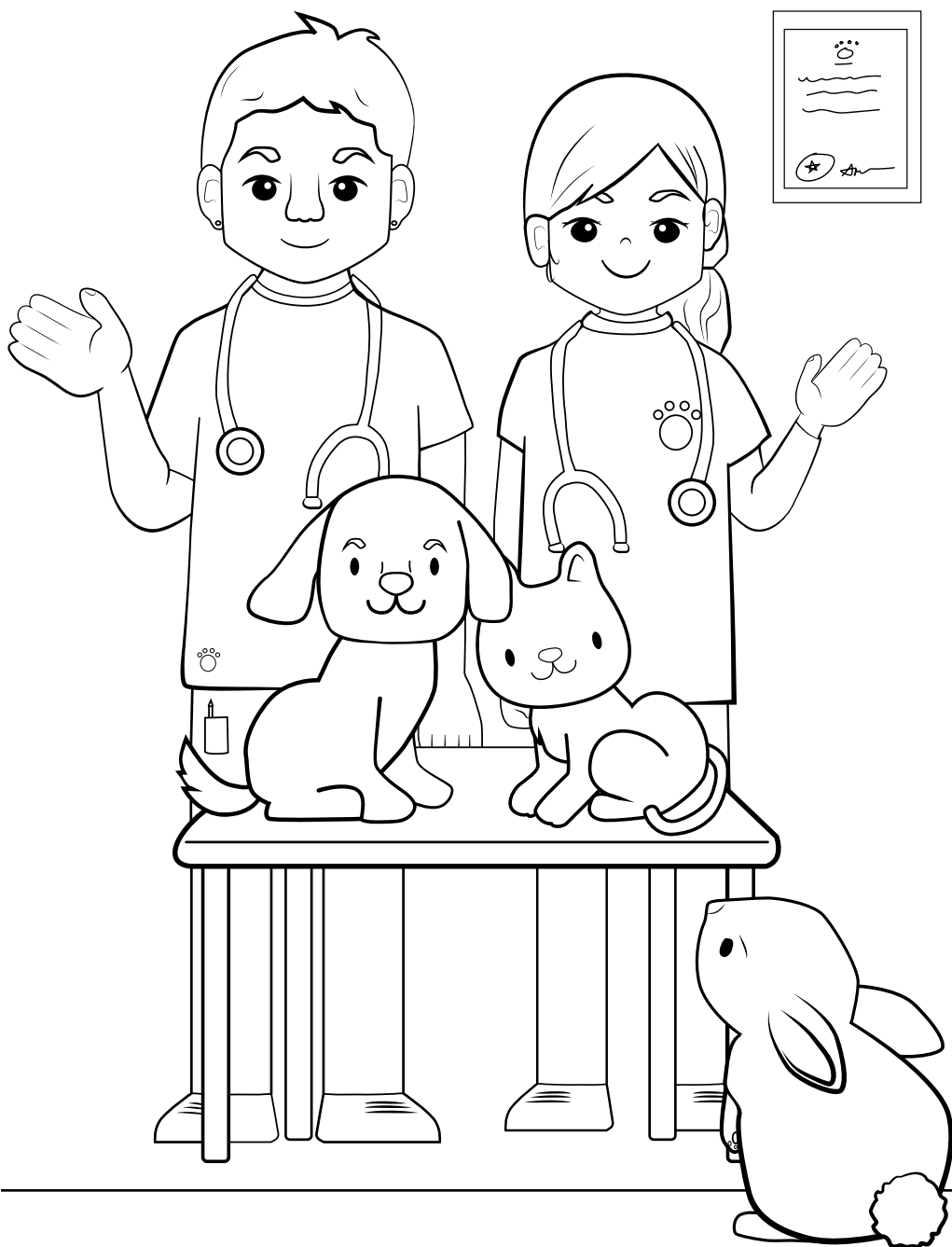


Veterinarian Medicine



THE 4-H PLEDGE

I pledge my Head to clearer thinking,
my Heart to greater loyalty,
my Hands to larger service,
my Health to better living,
for my club, my community and my country and my world.

THE 4-H MOTTO

Learn To Do By Doing

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PROJECT RESOURCE INFORMATION:

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A special thank you to the 4-H Associations and Volunteers from Grenville, Grey, Parry Sound, Wellington and York that piloted the Cloverbud Program for 4-H Ontario. Their feedback, dedication and enthusiasm helped in the development of the program materials and was greatly appreciated.

4-H Ontario is pleased to be able to provide project resource reference manuals for use by volunteers in clubs. 4-H Ontario screens and trains volunteers to equip them with the tools to serve as positive role models for youth. With so many topics to choose from, 4-H volunteers are trusted to use these resources to provide safe and quality programming while using their judgement to assess the appropriateness of activities for their particular group of youth. By downloading any 4-H resource, you agree to use it for 4-H purposes and give credit to the original creators. Your provincial 4-H organization may have restrictions on the types of 4-H projects or activities which can be completed in your region.

4-H Ontario grants permission to 4-H Volunteers to photocopy this 4-H project resource for use in their local 4-H program. All information presented in this Project Resource was accurate at the time of printing.

The 4-H program in Ontario is supported by the Ontario Ministry of Agriculture, Food and Rural Affairs.

Material for this Cloverbud Veterinary unit was supported by the Grand River Agricultural Society.



CANADA
4-H Ontario



4-H Inclusion Statement

4-H in Canada is open to all* without discrimination based on race, national or ethnic origin, colour, religion, sex, age or, mental or physical disability.**

4-H is dedicated to providing a safe and inclusive environment that allows for universal access and participation. Where barriers to participation are identified, 4-H will, with reasonable accommodation, adapt programs, rules, policies, or expectations to reduce or remove the barriers.

Any accommodations, changes or exceptions will be assessed on an individual basis, taking into account the individual experience of the member and their family. The physical safety and emotional well-being of members, leaders, staff and volunteers is 4-H's highest priority, and is the ultimate consideration in final decisions.

4-H Canada and local 4-H organizations consider inclusion a priority. Leaders are encouraged to work with individuals and their families to identify and discuss accommodations as required, and to reach out to provincial or national office staff for help with unresolved concerns.

**This applies to youth members (ages 6 to 21), volunteers, leaders, staff and professionals.*

***Definition of discrimination as per Canadian Charter of Rights and Freedoms.*

Déclaration sur l'inclusion des 4-H

L'adhésion aux 4-H au Canada est ouverte à tous les jeunes* sans discrimination fondée sur la race, l'origine nationale ou ethnique, la couleur de la peau, la religion, le sexe, l'âge ou le handicap mental ou physique. **

Les 4-H ont pour mission d'offrir un environnement sécuritaire et inclusif qui permet l'accès et la participation de tous. Lorsque des obstacles à la participation sont décelés, les 4-H adapteront, à l'aide de mesures d'adaptation raisonnables, les programmes, les règles, les politiques ou les attentes afin de réduire ou d'éliminer ces obstacles.

Toute mesure d'adaptation, modification ou exception sera évaluée au cas par cas, en tenant compte de l'expérience personnelle du membre et de sa famille. La sécurité physique et le bien-être émotionnel des membres, des animateurs et des animatrices, des membres du personnel et des bénévoles sont la priorité absolue des 4-H et constituent le facteur ultime à considérer lors de la prise des décisions définitives.

Les 4-H du Canada et les organisations locales des 4-H considèrent l'inclusion comme étant une priorité. Les animateurs et les animatrices sont encouragés à collaborer avec les personnes et leurs familles afin de définir et d'examiner les mesures d'adaptation, selon les besoins, et de communiquer avec le personnel du bureau provincial ou national pour obtenir de l'aide en cas de préoccupations non résolues.

**Ceci s'applique aux jeunes membres (âgés de 6 à 21 ans), aux bénévoles, aux animateurs, aux membres du personnel et aux professionnels.*

***Selon la définition de discrimination en vertu de la Charte canadienne des droits et libertés*

INTRODUCTION TO VETERINARY MEDICINE:

Objectives & Goals of the Unit:

- Understand the meaning of the words veterinary medicine
- Learn what happens at a veterinary clinic and/or on farms with small and large animals
- Understand the importance of proper veterinary care for all animals
- Help participants develop an understanding of responsible ownership of animals

Background:

What is Veterinary Medicine? In this unit, Cloverbuds will learn about what a veterinarian does in a day, various aspects of a veterinarian's job, veterinary terminology and the many careers that are available for working with animals.

4-H PLEDGE & ROLL CALL

Suggested Roll Calls:

- Name an animal that a veterinarian might help.
- If you were a veterinarian, what animal would you most want to help? Is there an animal you wouldn't want to work with?
- What do you think a veterinarian might do in a typical workday?

Time Frame: Units are to be completed in a two hour time frame. There is more material here than what can be covered in two hours. Please choose activities according to the age and abilities of your Cloverbud participants

GETTING STARTED

Veterinary Medicine Word Search

Activity Time: 10-15 minutes

Materials Needed:

- “Veterinary Medicine” Wordsearch (found in the Resource section at the end of this unit)
- “Veterinary Medicine” Answer Sheet (found in the Resource section at the end of this unit)
- Writing utensils

Print enough word searches for every Cloverbud. Distribute word searches and writing utensils and give Cloverbuds at least 5 minutes to work independently on the activity. After the time is up, or once everyone is finished, gather Cloverbuds and go over each of the words listed on the word search.

My Pet

Activity Time: 10-20 minutes (depending on the size of the group)

Materials Needed:

- Participants need to bring a picture of their pet (or a pet they wish they had) to the meeting

Invite participants to bring a picture of their pet or a farm animal (or a picture of a pet they wish they had) to the meeting. Have participants take turns presenting their pet to the group. Display the pictures on a special wall.

So You Want to be a Vet?

Activity Time: 10 – 20 minutes (depending on the size of the group)

Materials Needed:

- Laptop with access to the Internet
- Projector/Screen and/or access to TV (if possible but not necessary)

Show the video ‘So You Want to be a Vet?’ <https://www.youtube.com/watch?v=z8ckAFRd5Eo> produced by National Geographic for Kids.

After watching the video ask questions such as:

- Would you consider becoming a veterinarian when you grow up? Why or why not? If you are considering becoming a vet, would you want to work with large or small animals? Or both?
 - What do you think is the hardest thing a veterinarian might have to do?
 - What do you think might be the best thing about being a veterinarian?
-

LET'S EXPLORE

Silly Animals

Activity Time: 15-20 minutes

Materials Needed:

- Pieces of white plain paper (one for each participant)
- Writing utensil

Give each participant a piece of white paper which you have folded to create three sections. Ask participants to draw an animal head in the top section and then fold the section down before passing the paper to the person sitting next to them. Participants then draw an animal body in the middle section before passing the paper along once more. Finally, participants draw animal legs in the third section. When everyone is done, unfold the papers to discover silly animals and have each participant, one by one, present their 'animal.' They will be very unique.

Using a Stethoscope

Activity Time: 10-15 minutes

Materials Needed:

- Stethoscope
- Calm animal(s)

This activity could be completed individually, in pairs, small groups or as a large group.

Explain that a stethoscope can be used to listen and count how many heartbeats any living being, including humans and animals, has. Having a regular heartbeat that isn't too fast or too slow is all part of good health.

Using a calm animal(s), have participants listen to the heartbeat and count how many beats are in 10 seconds. Multiply this number by 6 to find out how many heartbeats there would be in a minute. Compare it to the chart below to see if the animal's heart rate is in the normal range. Keep in mind that the animal's heart rate might be slightly elevated above normal levels because of the excitement of the situation.

Have participants also listen to their own heartbeat and figure out what their heartrate is (how many beats per minute).

Animal	Beats per minute
Cat	120-140
Dog	70-120
Horse	28-40
Rabbit	180-350
Guinea pig	200-300
Hamster	300-600
Mouse	450-750
Rat	250-400
Dairy Cow	48-84
Goat	70-80
Sheep	70-80
Pig	70-120
Chick	350-450
Chicken (adult)	250-300

Source: Merck Veterinary Manual <https://www.merckvetmanual.com/multimedia/table/resting-heart-rates>

LOOKING WITHIN

Q-tip Animal Skeletons

Activity Time: 25-30 minutes

Materials Needed:

- Q-tips
- Glue
- Black cardstock
- Pictures of animal skeletons (choose which animal skeleton picture you would like at: https://www.google.com/search?rlz=1C1CHBF_en-GBGB838GB838&q=animal+skeleton+xrays&tbm=isch&source=univ&sa=X&ved=2ahUKEwiL4rz5nJHjAhWrUxUIHdHYAfgQsAR6BAgIEAE&biw=1920&bih=888)



Image Source: <https://www.learningpuddles.com/cotton-bud-skeletons-animals/>

Look at different animal skeleton pictures with participants. Count the main bones & discuss what each part is, for example, skull, rib cage.

Encourage participants to recreate a skeleton using q-tips. Glue each q-tip to black paper once completed.

Tip: for younger participants, have a skeleton already drawn out on paper & challenge participants to add the q-tips on top to match

Create Your Own Veterinarian!

Activity Time: 20-30 minutes

Materials Needed:

- Crayons/pencil crayons
- Scissors
- Glue and/or tape
- Cardstock
- Veterinarian templates (found in the Resource section at the end of this unit)

Choose one of the templates (or use all three and have a variety of templates to choose from) and make one copy for each participant. If the template that is chosen that has no colour, have participants colour the pieces on the page. Have participants cut out the pieces and have them arrange them and glue and/or tape the pieces to a piece of cardstock.

Additional Activity (if time permits)

Ask participants to create and present a short story about the veterinarian and what a day for their veterinarian might look like - what type of animals they might have seen, what types of procedures they might have had to do, etc.

WRAPPING THINGS UP

Careers Working with Animals Memory Game

Activity Time: 15-20 minutes

Materials Needed:

- Memory Game cards template (found in the Resource section at the end of this unit) printed preferably on cardstock and cut into playing cards

Cut the template into playing cards so there are two of each of the careers listed.

Mix the cards up and place them face down on a playing surface. The first player can turn two playing cards over. If the cards match, the player gets a point and can take another turn. If the cards don't match, the player turns them back down and the next person takes a turn. The game is finished when all cards have been matched.

NOTE: if you have a large group, it would be best to print and cut up a second template so the group can be divided into two and have two separate games being played.

Source: <https://www.cochranehumane.ca/education/careers/index.html>

Animal Cracker Snackables

Activity Time: 15-20 minutes

Materials Needed:

- Crackers
- Hummus, cheese spread
- Olives, small white marshmallows and chocolate chips to make homemade googly eyes

For The Fish:

- carrot slices
- 1 homemade googly eye
- cherry tomato, tip

For The Bear:

- cheese
- blueberry
- 2 homemade googly eyes
- 2 carrot slices

For The Fox:

- 2 carrot triangles
- cheese
- 1 blueberry
- 2 homemade googly eyes

For The Hedgehog:

- 2 homemade googly eyes
- 1 blueberry
- sunflower seeds

For The Hedgehog:

- 2 homemade googly eyes
- 1 blueberry
- sunflower seeds

For The Dog:

- cheese
- 1 carrot slice
- 2 homemade googly eyes
- 1 green olive slice
- 1 blueberry

For The Monkey:

- 1 carrot slice, sliced in half
- 2 homemade googly eyes
- 1 cucumber slice, sliced in half

For The Owl:

- cheese
- 2 green olive slices
- 2 homemade googly eyes
- 6 pepitas



Create one Animal Cracker Snackable as an example and show picture of other animal crackers. Give participants some (or all) of the above ingredients and have them assemble their own Animal Cracker Snackables. Have them introduce their animal being consuming it.

Craft and Image Credits: <https://www.forkandbeans.com/2017/08/16/animal-cracker-snackables/>

ADJOURNMENT

Additional Activities

- Tour a veterinary clinic. If a veterinary clinic isn't possible, visit a pet supply or farm supply store to look at items that a pet owner and/or farmer would use to help keep their animal(s) healthy.
- Create a judging activity including any 4 samples of the same type of veterinary tools (syringes, thermometers, etc.).
- Invite a guest to your meeting that can bring a smaller animal (dog, cat, guinea pig, etc.) or a small farm animal (if space outside allows) to discuss what they do to keep their animal healthy

References

- AgScape <https://agscape.ca/>
 - Educatall.com <https://www.educatall.com/page/449/Veterinarians.html>
 - Education.com <https://www.education.com/>
 - Learning Puddles <https://www.learningpuddles.com/>
 - Purdue University <https://www.vet.purdue.edu/engagement/files/documents/5th-Grade-Activity-Book-English>
 - Simple Mom Project <https://simplemomproject.com/veterinarian-craft-template/>
-

Veterinary Medicine

e r c d i k t o s l s l s x k
 v a s o d s f z o d h h d k u
 t b t g w s m e d i c i n e w
 s b e e b c a d c a t i q v f
 t i t p p c h n s y r i n g e
 h t h e r w l v i x y i f f v
 e n o p d u h i e m e d t a g
 r h s s i m x c n k a m t s o
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 t t w p r c r m l l k w r j z
 e d k a t q i i m q l d b z g
 r g m d u v c o s h e e p p c

veterinarian

stethoscope

medicine

xray

animals

thermometer

syringe

cow

clinic

sheep

rabbit

cat

dog

pig

horse

goat

Veterinary Medicine

e r c d i k t o s l s l s x k
 v a s o d s f z o d h h d k u
 t b t g w s m e d i c i n e w
 s b e e b c a d c a t i q v f
 t i t p p c h n s y r i n g e
 h t h e r w l v i x y i f f v
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pig

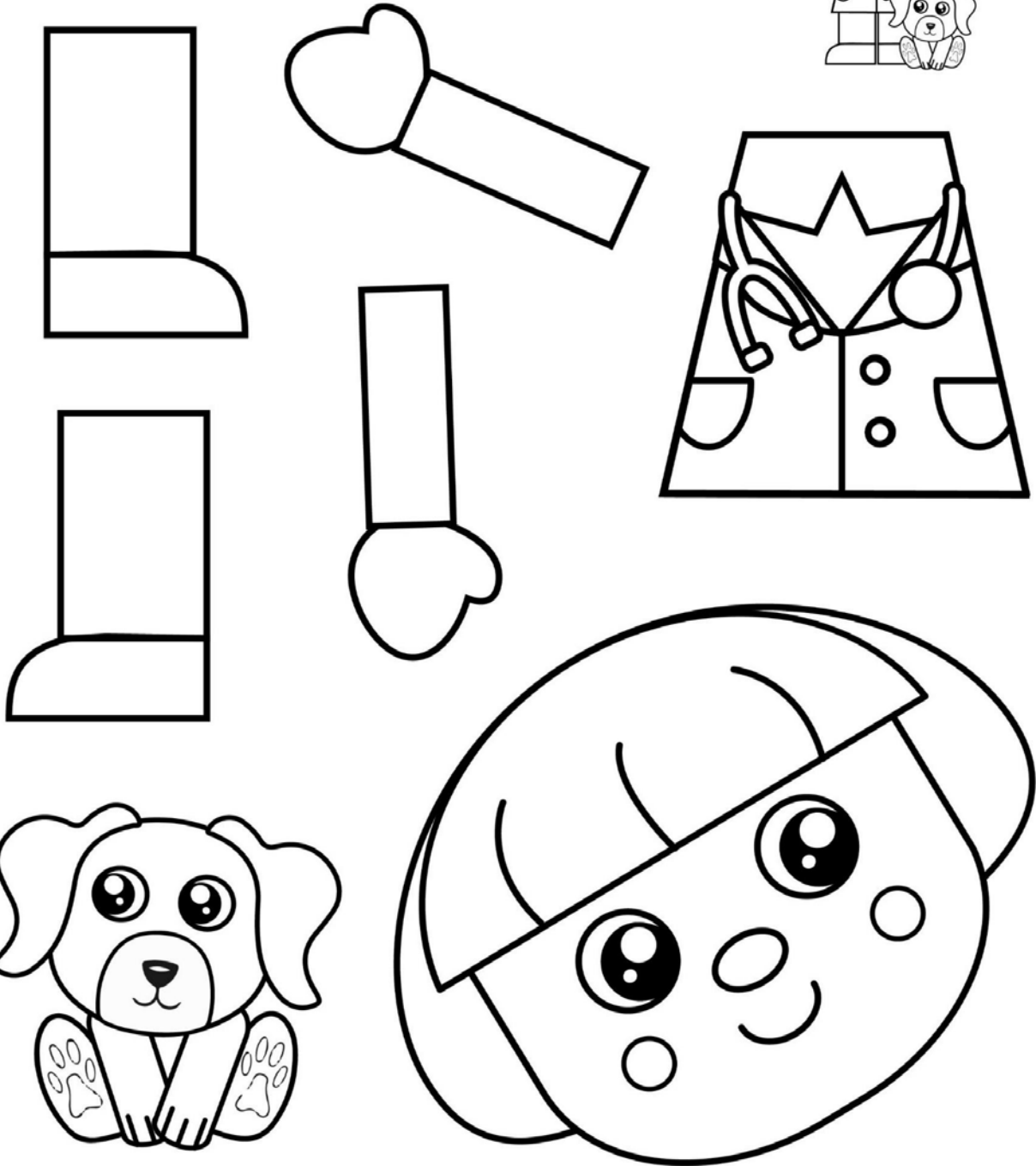
horse

goat

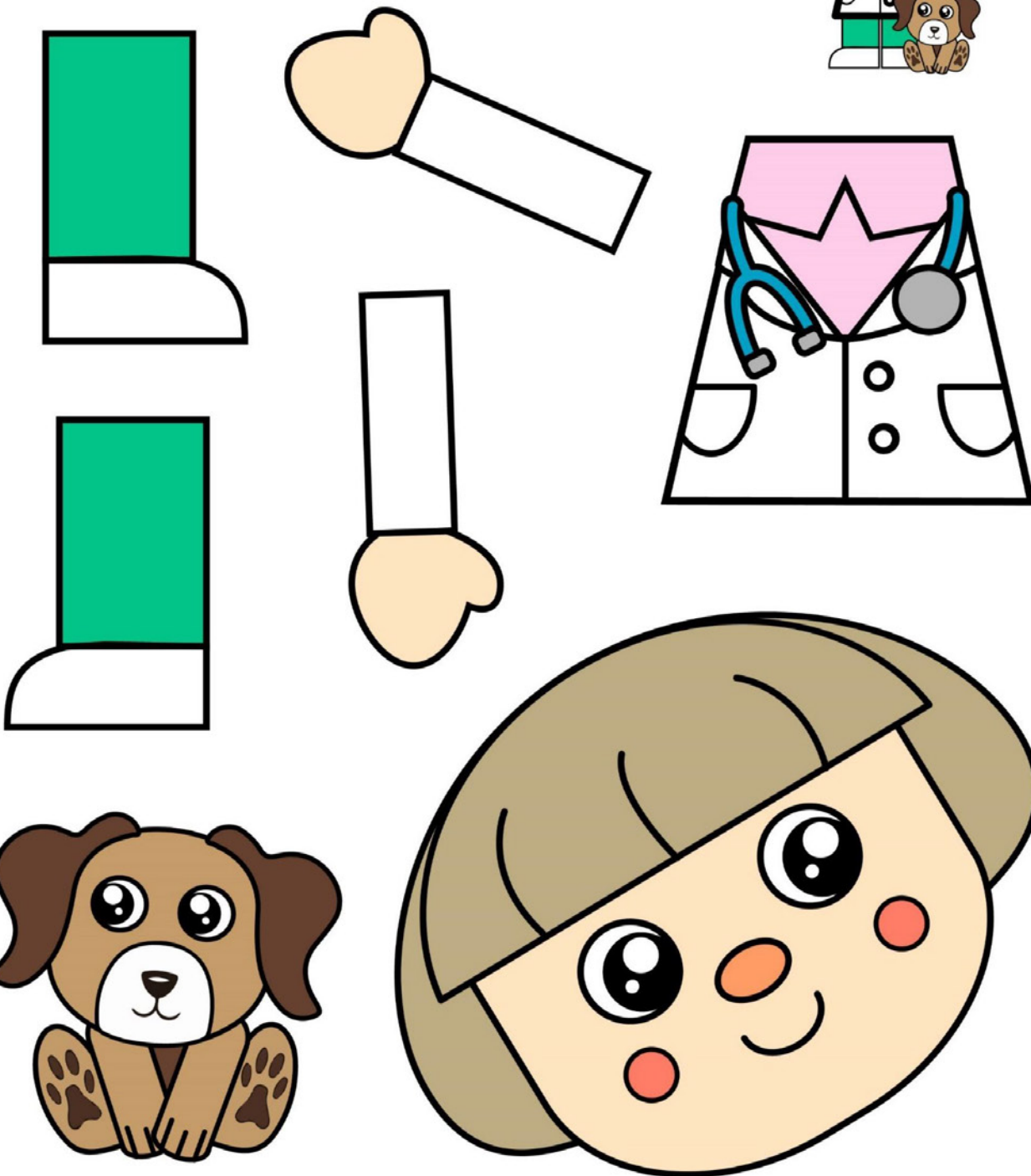
Create Your Own Veterinarian! Veterinarian Template

Activity Templates Credit: <https://simplemomproject.com/veterinarian-craft-template/>

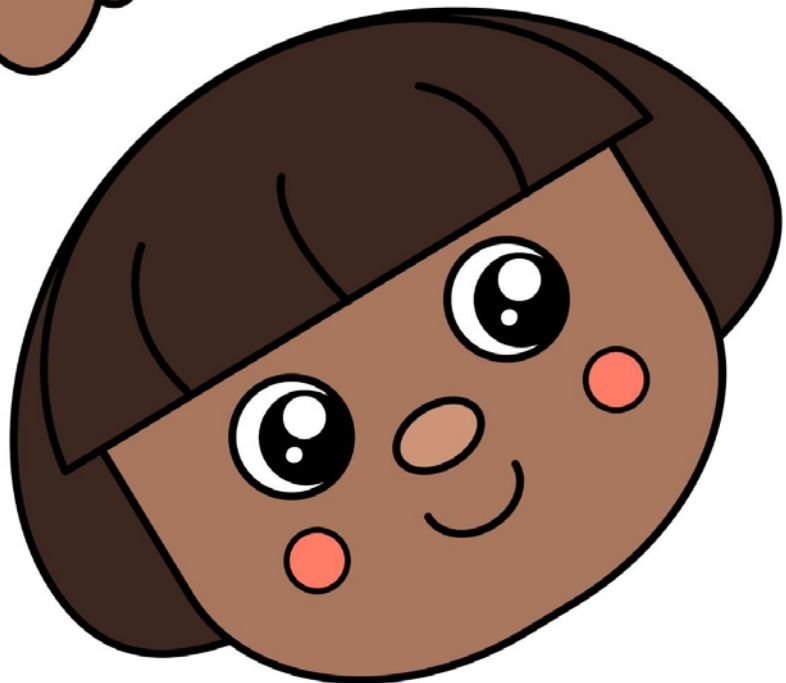
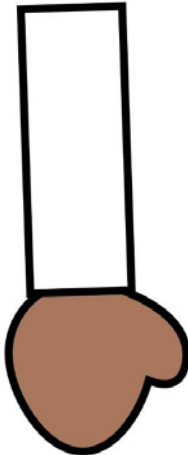
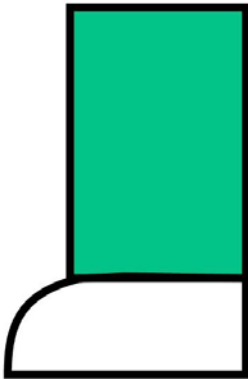
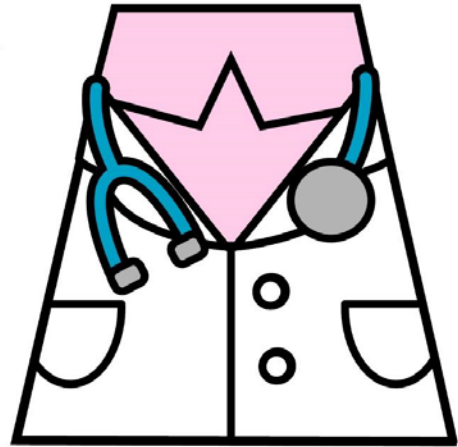
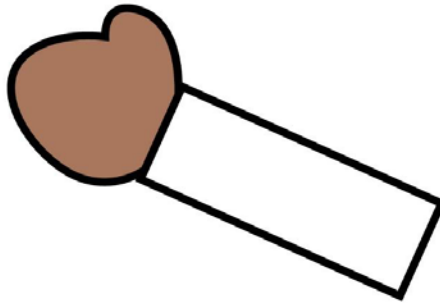
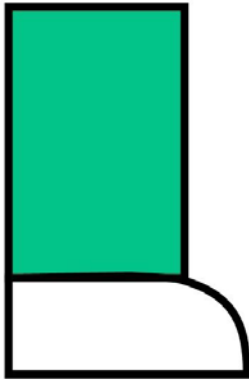
Cut and Paste VETERINARIAN CRAFT



Cut and Paste VETERINARIAN CRAFT



Cut and Paste VETERINARIAN CRAFT



Careers Working with Animals Memory Game

Zookeeper	Zookeeper
Animal Control Officer	Animal Control Officer
Pet Groomer	Pet Groomer
Veterinary Medicine Professor	Veterinary Medicine Professor
Animal Behaviourist	Animal Behaviourist
Equestrian Trainer	Equestrian Trainer
Parks Conservation Officer	Parks Conservation Officer

Pet Therapy Worker	Pet Therapy Worker
Pet Store Owner/Employee	Pet Store Owner/Employee
Farmer/Rancher	Farmer/Rancher
Wildlife Rehabilitation Specialist	Wildlife Rehabilitation Specialist
Animal Shelter Animal Care Worker	Animal Shelter Animal Care Worker
Kennel Operator	Kennel Operator
Animal Technician	Animal Technician

Animal Shelter Adoption Specialist	Animal Shelter Adoption Specialist
Veterinarian	Veterinarian
Wildlife Biologist/Researcher	Wildlife Biologist/Researcher
Animal Trainer	Animal Trainer
Canine Unit Police Officer	Canine Unit Police Officer
Veterinary Technician	Veterinary Technician

