

DEVELOPMENTAL PSYCHOPATHOLOGY LAB

AT THE UNIVERSITY OF IOWA

2022
Spring-Summer
Newsletter



Principal Investigator: Isaac T. Petersen, Ph.D.

Lab Coordinator: Benjamin Swanson

Lab Staff: Laxmi Annapureddy



A Note
from
Dr. Petersen
Principal Investigator
DevPsy Lab



DEAR FAMILY,

We greatly appreciate your support of research in our lab. You are receiving this newsletter because you are one of the incredible families participating in the School Readiness Study at the University of Iowa's Developmental Psychopathology Lab. Thanks to your participation, the National Institutes of Health (NIH) have recognized the importance of our study and the knowledge to be gained for advancing public health and understanding of how children develop skills to be ready for school. The NIH awarded our lab five years of funding to complete the study. We are excited to continue this study with your help. We have discovered many important things thanks to the participation of families like you. For instance, we have learned that children's language skills may help them control their behavior (Petersen, Bates, & Staples, 2015) and develop social skills (Petersen & LeBeau, 2021), which may make it less likely that they develop aggression. This knowledge may lead to more effective approaches to prevent or treat aggression. We would not be able to conduct our study without the time and hard work that you give. Given the challenging times, our lab felt it was important to communicate with families regarding our response to COVID and our plans moving forward.

As the COVID-19 pandemic remains an everyday reality, we want to communicate the steps we have taken to ensure our space is safe for all. We spent 2020 and the beginning of 2021 preparing to resume in-person operations under stringent safety protocols. In April of 2021, we resumed in-person operations under these protocols and are pleased to report we plan to stay this way. Of course, we continue to monitor public health and safety guidelines from the university and from local, state, and national agencies. We invite you and your child to the lab with the peace of mind knowing we work tirelessly for your family's safety.

The pandemic has affected so many people in so many ways. Families have lost loved ones, school systems have been disrupted, and childcare options have become more restricted. Some have had to work at the frontlines in schools and healthcare systems, while others have had to juggle working from home and trying to ensure their children receive an adequate education. Others have lost jobs or had their hours or pay cut. And people have become more isolated from one another to stay safe. This remains a difficult time, and we want to do whatever we can to support you. Please do not hesitate to reach out if you have questions or if we can help with anything. We are attaching a list of potentially helpful resources. We are a community and we support each other.

A handwritten signature in black ink that reads "Isaac T. Petersen".

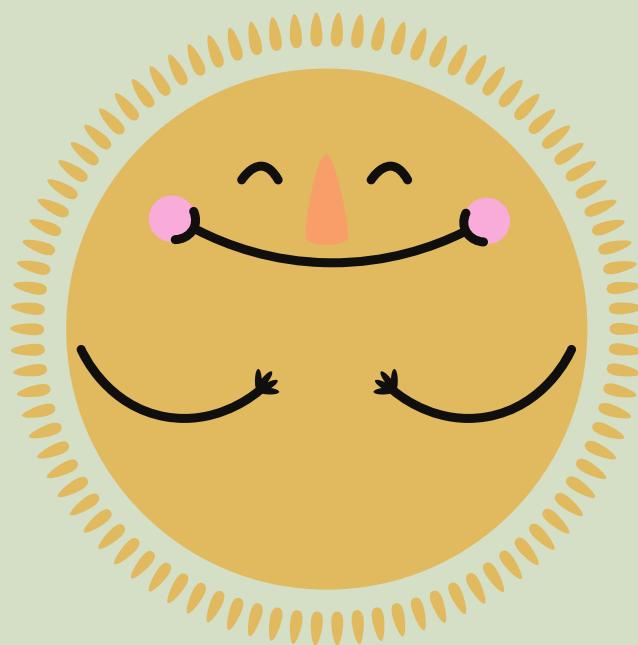
Isaac T. Petersen, Ph.D.

Principal Investigator of the Developmental
Psychopathology Lab, Department of
Psychological Brain Sciences, University of Iowa

—/ABOUT|DEVPSY|LAB—

MISSION STATEMENT

We are striving to improve the health and well-being of families and communities by conducting research to advance the understanding of human development.



DIVERSITY STATEMENT

We seek to include members of various cultural, ethnic, and socioeconomic backgrounds so that our research might best represent the families which make up our diverse communities. We aim to provide a welcoming and respectful environment for people of all backgrounds.

SCHOOL READINESS STUDY

A NATIONAL INSTITUTE OF HEALTH-FUNDED PROJECT

The purpose of our current research, the School Readiness Study, is to investigate how children develop behavior problems as well as positive adjustment. We are specifically interested in externalizing problems such as aggressive, disruptive, and non-compliant behavior. We focus on the development of individual differences in self-regulation skills and the consequences of children's self-regulation skills for their school readiness. To conduct our research we follow families and children longitudinally, with multiple levels of analysis including how biological, psychological, and social-contextual processes relate to development.

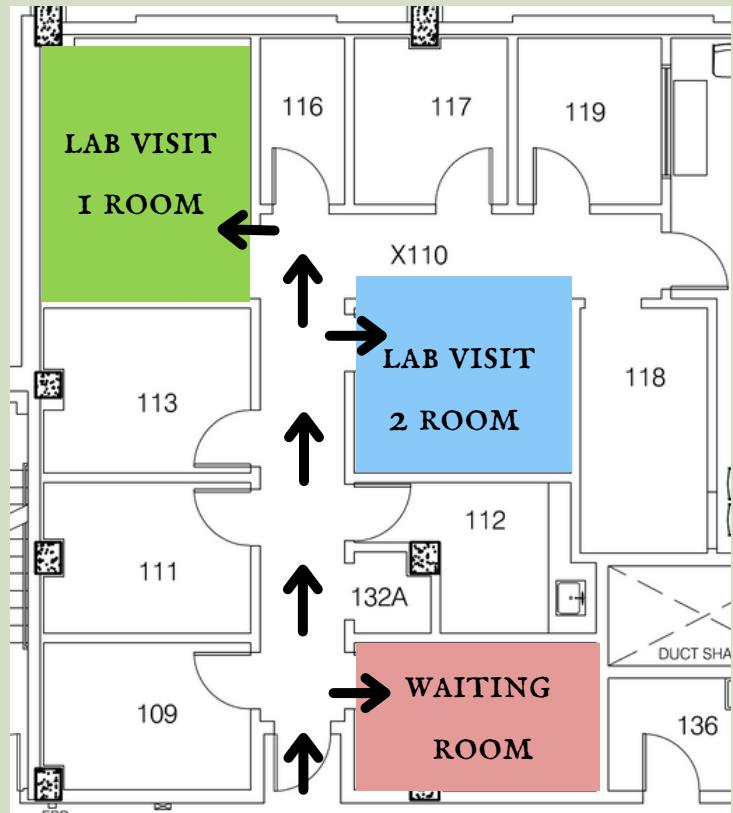
Early difficulties in cognitive control may predict a delay in school readiness. By exploring the various factors that play a role in determining behavior, school outcomes, and development of internalizing and externalizing problems, we will better establish an understanding of intervention and prevention strategies to help children be successful.

DevPsy MAP OF VISITS

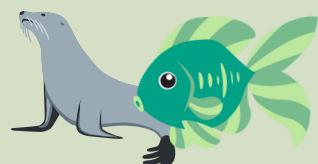
FLOOR PLAN OF THE LAB SPACE



LAB VISIT 1



LAB VISIT 2



RETURN IN
9 MONTHS FOR
YOUR NEXT VISIT!

Research Assistant Spotlight

Amanda Barrett

Amanda's thesis examined the association between economic disadvantage and externalizing behavior problems in children, with inhibitory control as a potential moderator. She focused on understanding more about child-level processes that may have the power to mitigate the risk of externalizing problems by evaluating levels of economic disadvantage, including household-level socioeconomic status and neighborhood-level deprivation.



Emily Huber

Emily's literature review investigates the various neural processes that have been found to be associated with anxiety in young children. She specifically reviewed error-related negativity, event-related potential, frontal electroencephalography asymmetry, and brain structure and function in relation to childhood anxiety from birth to 7 years of age.



Frequently Asked Questions

What happens during lab visits?

During lab visit one, the child will be playing a variety of games with one of our experimenters, winning prizes and treats. In lab visit two, the child will be wearing an EEG cap while they play computer games.

How long are the lab visits?

The first lab visit is about 3 hours long, and the second lab visit is about 2 hours long.

How long will my involvement last?

For 2 years, every 9 months you will come in for two lab visits. This will occur a total of 4 times, totaling 8 visits by the end of your involvement.

Is compensation provided?

Yes. Each family will receive compensation after each visit, for a total of \$553 for full participation over the 2 year time period.





Thank You, Families!

of Families involved in
DevPsy Lab:

124

*"I love playing games
with the kids and
seeing the smiles of
the families that come
into our lab."*

*-Avery Bandstra
LV1 Experimenter*

We want to express our gratitude to all the families that give their time and energy to our lab. Our work would not be possible without you. Your involvement furthers our ability to provide meaningful research.



How can I learn more about the lab?

Follow us!



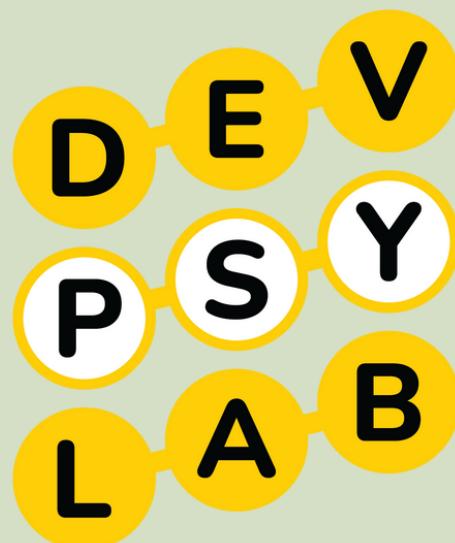
@dev_psy_lab



@devpsylab

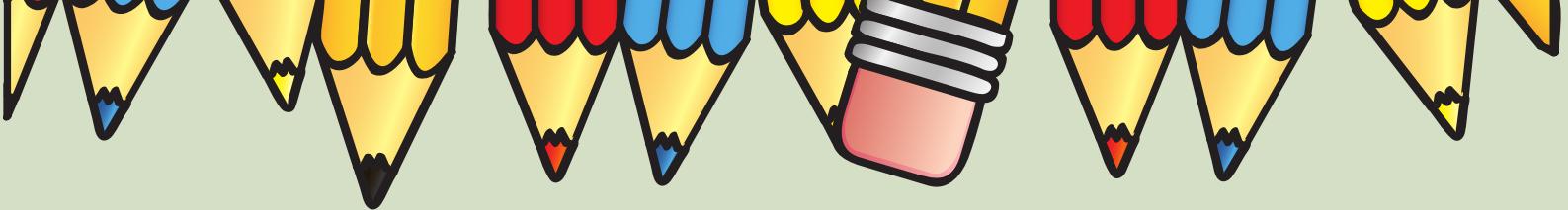


@devpsylab



Website: <https://developmental-psychopathology.lab.uiowa.edu/>

Email: devpsy-lab@uiowa.edu **Phone:** (319) 353-1977



Recent Publications

Cellier, D.*, Riddle, J., Petersen, I. T., & Hwang, K. (2021). The development of theta and alpha neural oscillations from ages 3 to 24 years. *Developmental Cognitive Neuroscience*, 50, 100969. <https://doi.org/10.1016/j.dcn.2021.100969>; OSF: <https://osf.io/2exkc>, PDF

Hosch, A.*, Oleson, J. J., Harris, J. L.*, Goeltz, M. T.*, Neumann, T.*, LeBeau, B., Hazeltine, E., & Petersen, I. T. (in press). Studying children's growth in self-regulation using changing measures to account for heterotypic continuity: A Bayesian approach to developmental scaling. *Developmental Science*. <https://doi.org/10.1111/desc.13280>; Preprint: <https://doi.org/10.31234/osf.io/y82ua>; OSF: <https://osf.io/5xnrh>

Petersen, I. T. (2022). Principles of psychological assessment: With applied examples in R. University of Iowa Libraries. <https://isaactpetersen.github.io/Principles-Psychological-Assessment>. <https://doi.org/10.5281/zenodo.6466589>; OSF: <https://osf.io/3pwza>

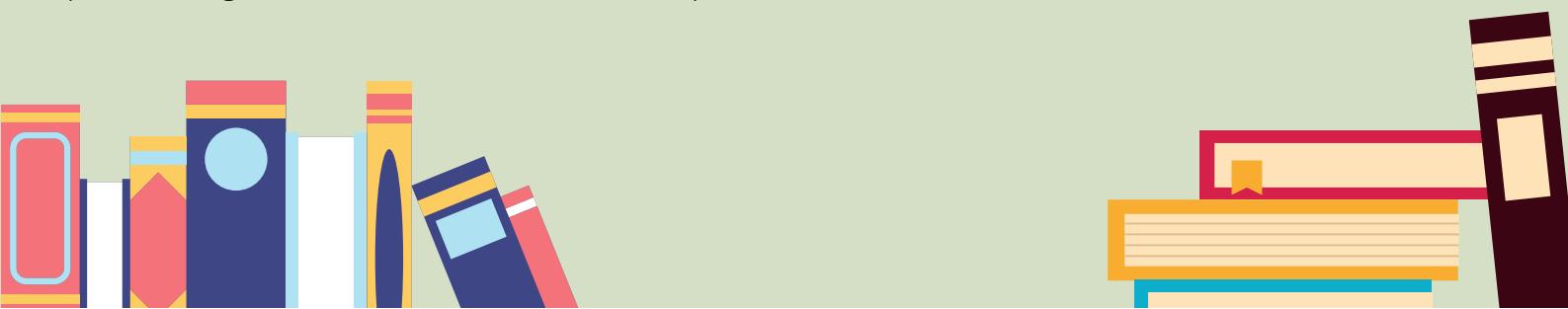
Petersen, I. T., Apfelbaum, K. S., & McMurray, B. (in press). Adapting open science and pre-registration to longitudinal research. *Infant and Child Development*. e2315. <https://doi.org/10.1002/icd.2315>; Preprint: <https://doi.org/10.31234/osf.io/gtswv>; OSF: <https://osf.io/jzxb8>; <https://osf.io/vzb2k>

Petersen, I. T., Bates, J. E., McQuillan, M. E., Hoyniak, C. P., Staples, A. D., Rudasill, K. M., Molfese, D. L., & Molfese, V. J. (2021). Heterotypic continuity of inhibitory control in early childhood: Evidence from four widely used measures. *Developmental Psychology*, 57(11), 1755–1771. <https://doi.org/10.1037/dev0001025>; OSF: <https://osf.io/a52j4>, PDF

Petersen, I. T., & LeBeau, B. (in press). Creating a developmental scale to chart the development of psychopathology with different informants and measures across time. *Journal of Abnormal Psychology*. OSF: <https://osf.io/9zd6e>

Petersen, I. T., & LeBeau, B. (2021). Language ability in the development of externalizing behavior problems in childhood. *Journal of Educational Psychology*, 113(1), 68–85. <https://doi.org/10.1037/edu0000461>; OSF: <https://osf.io/dyqt5>, PDF

Petersen, I. T., LeBeau, B., & Choe, D. E. (2021). Creating a developmental scale to account for heterotypic continuity in development: A simulation study. *Child Development*, 92(1), e1–e19. <https://doi.org/10.1111/cdev.13433>; OSF: <https://osf.io/ewmzd>, PDF



HELPFUL RESOURCES FOR FAMILIES

Mental Health:

Free Mental Health Clinic (FMHC): Clinic is held every other Saturday morning with patient appointments scheduled at 9AM and 10AM. FMHC does not offer counseling or therapy services. All appointments are made through the clinic email at freementalhealthclinic@gmail.com.

University of Iowa Seashore Clinic: Phone: (319) 335-2467; Department of Psychological and Brain Sciences

University of Iowa Hospitals and Clinics: Department of Psychiatry
- Karen Nelson, Ph.D.: (319) 353-6040
- Beth Troutman, Ph.D.: (319) 384-3236
- Laura Fuller, Ph.D.: (319) 353-8978

Abbe Center Community Mental Health Services

Iowa City (319) 338-7884
Cedar Rapids (319) 398-3562
Walk-In Center Address: 520 11th Street NW, Cedar Rapids
<https://www.unitypoint.org/cedarrapids/same-day-access-services.aspx>

Anderson, Arnold, and Partners, L.L.P.

(319) 354-3232
<http://andersonarnold.com/>

Counseling Center of Iowa City Striegel, Fisher, Young & Associates

(319) 337-6483
<http://www.counselingcenteric.com/index.php>

Counseling & Health Center

(319) 337-6998
<http://www.iowacitycounselors.com/Home.php>

Crisis Center of Johnson County

1121 Gilbert Ct, Iowa City
Phone: (319) 351-0140 (Crisis Line, available 24 hours a day, 365 days a year)
Johnson County Mobile Crisis Unit: 1-855-325-4296 (call/text)
Food Bank: (319) 351-2726

East Iowa Psychology Group

325 E. Washington Street
Iowa City, IA 52240
(319) 358-9397

Gersh, Hartson, & Payne Associates, P.C.

(319) 338-9960
<http://www.ghapsych.com/>

Integrated Community Therapists, LLC

(319) 337-3357
<http://www.ictherapists.com/>

Psychiatric Associates of Iowa City

(319) 356-6352
<http://www.psychassociates.net>

Rein Center for Emotional Health and Wellbeing

2710 N. Dodge Street, Suite 1
Iowa City, IA 52245
(319) 400-1311

Virtue Medicine

221 E. College Street
Iowa City, IA 52240
(319) 338-5190
Website: <https://virtuemedicine.com/>

Education & Support Groups:

Iowa Family Network Parent Education Groups: Group-based parent education programs are designed to provide support and education in a group setting, helping parents acquire skills needed to help their child reach developmental success. iafamilysupportnetwork@everystep.org; Phone: 1-888-425-4371
<https://www.iafamilysupportnetwork.org/group-services>

United Action for Youth: 1700 S 1st Ave., Ste. 14, Iowa City, IA 52240
Phone: (319) 338-7518; unitedactionforyouth.org; offers counseling and youth development programs to teens and families in Johnson County and surrounding communities. UAY offers family mediation and therapy for youth and their parents, to address family conflict, communication, depression, anxiety, trauma and grief. 355 Iowa Avenue in downtown Iowa City

Crisis Programs & Advocacy:

CommUnity Crisis Services: 1121 Gilbert Ct., Iowa City, IA 52240-4528
Phone: (319) 351-0140; builtbycommunity.org; Provides immediate support through the Food Bank and Crisis Intervention Programs. All services are free and confidential. 24-Hour Crisis Line, Chat, and Text services. Available by phone 24/7; walk-in counseling offered Monday - Friday, 9am - 5pm; mobile crisis outreach offered 24 hours to Iowa and Johnson Counties. Specializes in suicide prevention and crisis intervention services, and hosts monthly support groups for individuals with specific needs, with times and locations listed online.

Domestic Violence Intervention Program (DVIP): 1105 S. Gilbert Ct., Ste. 300, Iowa City, IA 52240; Phone: (319) 351-1043; dvipiowa.org, provides support and resources to individuals battered by their intimate partner or loved ones. Provides the following confidential crisis intervention services: 24-hour safe shelter and hotline; advocacy with law enforcement, courts, medical and social services; counseling and support groups; youth support services; volunteer opportunities; and community education.

Employment Services:

Iowa Workforce Development Center: 1700 S 1st Av, Iowa City, IA; Phone: 1.319.351.1035; Provides job information, resumes service, internet access, typing tutorials, word processing, brochures and pamphlets, job placement assistance and unemployment insurance.

Goodwill Vocational Services: 1700 S 1st Ave Suite 11A Iowa City, IA; Phone: 1.319.337.4889

Employment Plus: 1700 S 1st Ave, Suite 15 Iowa City, IA; Phone: 1.319.358.7801

Childcare:

Child Care Assistance program (CCA) helps pay for the care of your child while a parent or caretaker works or attends school. It might also be used to care for children while a parent or caretaker is looking for work or is temporarily unable to care for children because of medical reasons. <https://ccmis.dhs.state.ia.us/clientportal/>; (866) 448-4605; <https://dhs.iowa.gov/child-care>

4Cs Community Coordinated Child Care: 1500 Sycamore St., Iowa City, IA 52240; Phone: (319) 338-7684; iowa4cs.com, Provides education, consultation and resources to home and center-based child care programs.

Continued...

HELPFUL RESOURCES FOR FAMILIES

Financial Support:

To get help figuring out what financial services might be available to you, call the General Assistance Specialists at Johnson County Social Services: 319-356-6090

United Way

Johnson/Washington Counties Community Disaster Relief Fund:
319-259-9218; www.unitedwayjwc.org
Emergency assistance for households impacted by the Coronavirus.

General Assistance (short term monetary help):

319-356-6090; www.johnson-county.com/ss

Assistance with rent, utilities, and medications for eligible participants.

Housing:

The Housing Fellowship: 322 East 2nd Street, Iowa City, IA 52240
Phone: (319) 358-9212;
www.housingfellowship.com

Housing Choice

Voucher Program:
<https://www.icgov.org/city-government/departments-and-divisions/neighborhood-and-development-services/neighborhood-18>

Healthcare:

Iowa City Free Medical and Dental Clinic: 2440 Towncrest Drive, Iowa City, IA 52240-6622;
Phone: (319) 337-4459;
freemedicalclinic.org

Provides free outpatient medical and dental services for uninsured and underinsured members of the community

Hawk-I

Healthcare Coverage: Iowa offers hawk-i health care coverage for uninsured children of working families. No family pays more than \$40 a month. Some families even pay nothing at all. Website: <http://www.hawk-i.org/>

Food:

Coralville Community Food Pantry: 1002 5th Street, Coralville, IA 52241
Phone: (319) 337-3663;
coralvillefoodpantry.org

CommUnity Crisis Food Bank:

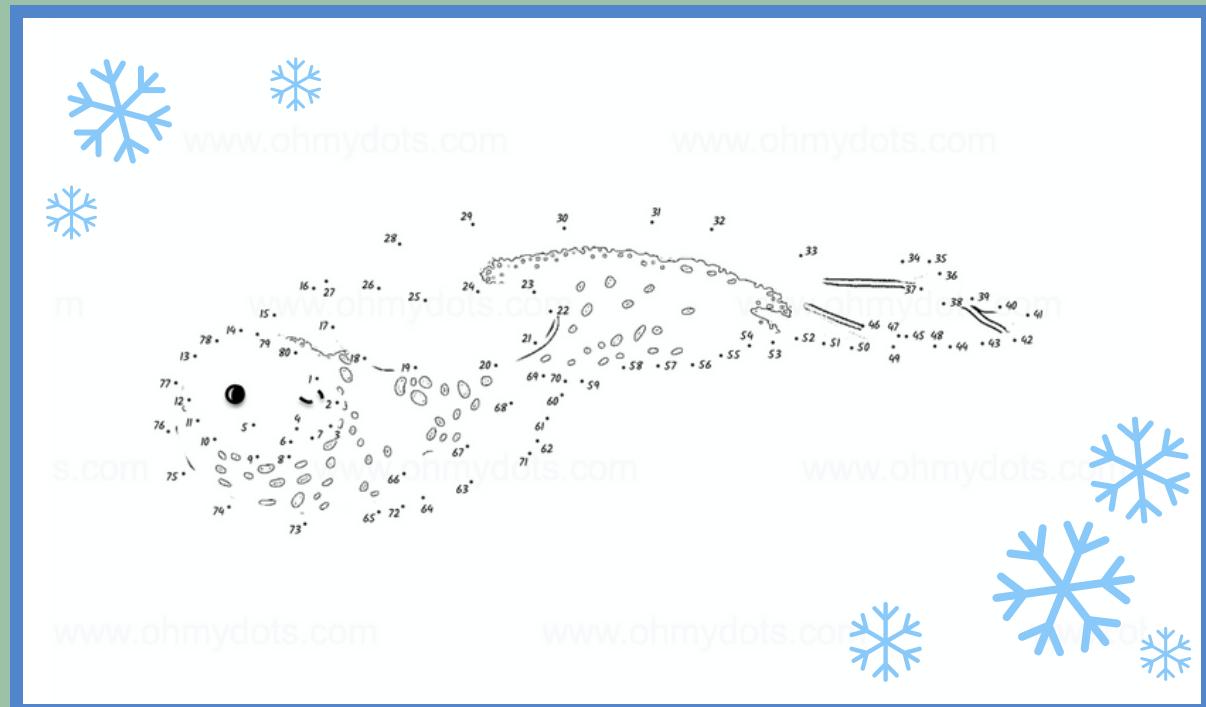
1121 Gilbert Ct., Iowa City, IA 52240-4528
Phone: (319) 351-0140;
builtbycommunity.org



FUN WITH THE DEVPSY LAB!



JAMIE THE SEAL



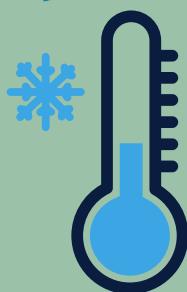
Wow! Jamie the Seal blends in so well in all this winter snow. Help us find them by connecting the dots!



DID YOU KNOW?

Jamie the seal is a **Leopard Seal!** Leopard Seals live in the icy cold arctic and love to swim in

the freezing cold water there. To stay warm, Jamie and their friends are covered in a thick layer of fat called **blubber**. How cool is that!





OH NO!



The Naughty Monkey left his bananas all over the Ocean Room! Can you help us find **all 6 bananas** before Jamie gets back?

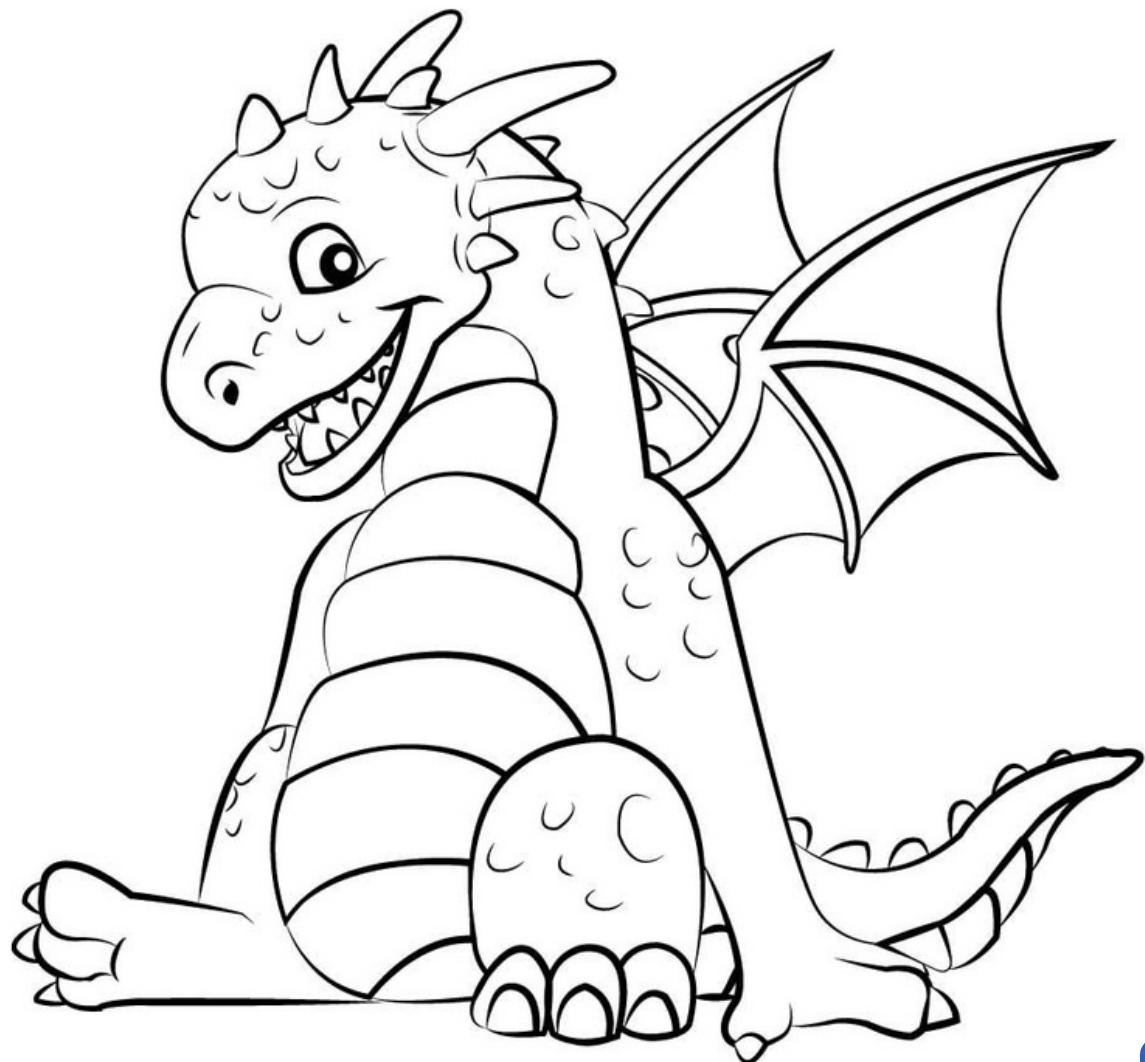
Hint: They look like this!



WORD HUNT!

C	M	K	R	F	E	C	T	S	N	I	A	T	N
A	Y	S	A	Y	I	A	I	I	E	H	K	N	S
N	E	N	B	B	O	S	U	H	R	R	R	E	L
D	P	A	B	G	N	G	H	B	A	H	A	M	S
Y	M	C	I	I	N	N	O	H	I	H	D	I	S
O	O	K	T	E	A	G	S	W	C	R	U	R	Y
S	N	J	P	E	F	A	D	R	L	Y	D	E	A
R	K	E	C	R	R	M	A	I	P	I	G	P	S
J	E	O	A	A	D	E	E	R	A	D	H	X	N
A	Y	G	T	R	S	S	B	A	C	P	R	E	O
M	O	G	A	E	E	D	E	E	K	C	D	M	
I	A	G	R	A	S	E	J	B	E	F	U	N	I
E	O	I	P	R	I	Z	E	E	G	N	A	E	S
N	G	B	I	N	P	S	D	N	E	I	R	F	E

MONKEY
 FUN
 OWL
 SNACK
 OCEAN
 FRIENDS
 DRAGON
 FISH
 BEAR
 JAMIE
 CANDY
 SHARK
 RESEARCH
 EXPERIMENT
 BIRD
 PIG
 EEG
 GOAT
 GAMES
 SIMON SAYS
 RABBIT
 PRIZE
 PENGUIN



Howdy!
Can you help
me color in
my friend, the
dragon?
Thank you!

