

5. PREGUNTAS.

5.3. CON RESPUESTA ESCRITA.

[11L/5300-0189] [11L/5300-0190] [11L/5300-0191] [11L/5300-0192] [11L/5300-0193] [11L/5300-0199] [11L/5300-0200]
[11L/5300-0201] [11L/5300-0202] [11L/5300-0203] [11L/5300-0204] [11L/5300-0205] [11L/5300-0206] [11L/5300-0207]
[11L/5300-0208] [11L/5300-0209] [11L/5300-0210] [11L/5300-0211] [11L/5300-0212] [11L/5300-0213] [11L/5300-0214]
[11L/5300-0215] [11L/5300-0216] [11L/5300-0217] [11L/5300-0218] [11L/5300-0219] [11L/5300-0220] [11L/5300-0221]
[11L/5300-0222] [11L/5300-0223] [11L/5300-0224] [11L/5300-0225] [11L/5300-0226] [11L/5300-0227] [11L/5300-0228]
[11L/5300-0229] [11L/5300-0230] [11L/5300-0231] [11L/5300-0232] [11L/5300-0233] [11L/5300-0234] [11L/5300-0235]
[11L/5300-0236] [11L/5300-0250] [11L/5300-0251] [11L/5300-0252] [11L/5300-0253] [11L/5300-0258] [11L/5300-0259]
[11L/5300-0260] [11L/5300-0261] [11L/5300-0262] [11L/5300-0263] [11L/5300-0264] [11L/5300-0265] [11L/5300-0266]
[11L/5300-0267] [11L/5300-0268] [11L/5300-0269] [11L/5300-0270] [11L/5300-0271] [11L/5300-0272] [11L/5300-0273]
[11L/5300-0274] [11L/5300-0275] [11L/5300-0276] [11L/5300-0277] [11L/5300-0278] [11L/5300-0279] [11L/5300-0280]
[11L/5300-0281] [11L/5300-0282]

Contestaciones.

PRESIDENCIA

De conformidad con el artículo 102.1 del Reglamento de la Cámara, se ordena la publicación en el Boletín Oficial del Parlamento de Cantabria de las contestaciones dadas por el Gobierno a las preguntas con respuesta escrita, de las que ha tenido conocimiento la Mesa de la Cámara en sesión celebrada el día de hoy.

Santander, 19 de enero de 2024

LA PRESIDENTA DEL
PARLAMENTO DE CANTABRIA,

Fdo.: María José González Revuelta.

[11L/5300-0216]

INFORMES CIENTÍFICOS CONSULTADOS Y TENIDOS EN CUENTA POR LA CONSEJERÍA DE EDUCACIÓN, FORMACIÓN PROFESIONAL Y UNIVERSIDADES, ADEMÁS DE LAS RECOMENDACIONES DE LA ACADEMIA NORTEAMERICANA DE PEDIATRÍA, PARA TOMAR LA DECISIÓN DE ALTERAR EL REPARTO INICIAL PREVISTO DE LAS PANTALLAS DIGITALES EN CENTROS EDUCATIVOS, PRESENTADA POR D. PEDRO JOSÉ HERNANDO GARCÍA, DEL GRUPO PARLAMENTARIO REGIONALISTA.

"Se han consultado y tenido en cuenta todas estas referencias bibliográficas que se detallan a continuación:

Baggetta P., Alexander P. A. (2016): Conceptualization and Operationalization of Executive Function. *Mind, Brain, and Education* 10 (1), 10-33.

Cranmer, Sue. (2019). Disabled children's evolving digital use practices to support formal learning. A missed opportunity for inclusion. *British Journal of Educational Technology*. 51. 10.1111/bjet.12827.

P. Delgado, C. Vargas, R. Ackerman y L. Salmerón, 2018. Don't throw away your printed books: A meta-analysis on the effects of reading media on comprehension, *Educational Research Review*, *Educational Research Review*, Volume 25, November 2018, Pages 23-38.

Rahma Dewi, Indah Verawati, Anto Sukamton, Hikmad Hakim, Erick Burhaein & Carla Cristina Vieira Lourenço, The Impact of Basic Motion Activities on Social Interaction in Elementary School Students, *International Journal of Human Movement and Sports Sciences* 11(1): 143-151, 2023.

Flores Lázaro, J. C., Castillo Preciado, R. E., & Jiménez Miramonte, N. A. (2014). Desarrollo de funciones ejecutivas, de la niñez a la juventud. *Anales de Psicología*, 30(2), 463-473.

Foreman J, Salim AT, Praveen A, Fonseka D, Ting DSW, Guang He M, Bourne RRA, Crowston J, Wong TY, Dirani M. Association between digital smart device use and myopia: a systematic review and meta-analysis. *Lancet Digit Health*. 2021 Dec;3(12):e806-e818.



- Grissmer, D., Grimm, K. J., Aiyer, S. M., Murrah, W. M., & Steele, J. S. (2010). Fine motor skills and early comprehension of the world: Two new school readiness indicators. *Developmental Psychology*, 46(5), 1008–1017. <https://doi.org/10.1037/a0020104>.
- Hutton JS, Dudley J, Horowitz-Kraus T, DeWitt T, Holland SK. Associations Between Screen-Based Media Use and Brain White Matter Integrity in Preschool-Aged Children. *JAMA Pediatr*. 2020 Jan 1;174(1):e193869.
- Ioan-Sabin, Sopa & Marcel, Pomohaci. (2014). The socializing role of motor activities at primary school level.
- Kerexeta, Itziar & Darretxe Urrutxi, Leire. (2023). ¿La competencia digital docente favorece la inclusión educativa? Does teachers' digital competence foster educational inclusion?. 10.6018/riite.548411.
- Eddy Marheni, Firunika Intan Cahyani & Eko Purnomo (2021); Implementation of Motor Learning on Social Skills in Children, Proceedings of the 1st International Conference on Sport Sciences, Health and Tourism, Atlantis Press, 83-87, <https://doi.org/10.2991/ahsr.k.210130.016>.
- Philipp Martzog, Sebastian Paul Suggate, Screen media are associated with fine motor skill development in preschool children, *Early Childhood Research Quarterly*, Volume 60, 2022, Pages 363-373.
- Mona S. Julius, Rivka Meir, Zivit Shechter-Nissim, Esther Adi-Japha, Children's ability to learn a motor skill is related to handwriting and reading proficiency, *Learning and Individual Differences*, Volume 51, 2016, 265-272.
- Law EC, Han MX, Lai Z, et al. Associations Between Infant Screen Use, Electroencephalography Markers, and Cognitive Outcomes. *JAMA Pediatr*. 2023;177(3):311–318. doi:10.1001/jamapediatrics.2022.5674.
- Lewin, Kaitlin & Meshi, Dar & Aladé, Fashina & Lescht, Erica & Herring, Caryn & S D, Dhatri & Hampton Wray, Amanda. (2023). Children's screentime is associated with reduced brain activation during an inhibitory control task: A pilot EEG study. *Frontiers in Cognition*. 2. 1018096. 10.3389/fcogn.2023.1018096.
- Li H, Wu D, Yang J, Luo J, Xie S, Chang C. Tablet Use Affects Preschoolers' Executive Function: fNIRS Evidence from the Dimensional Change Card Sort Task. *Brain Sciences*. 2021; 11(5):567. <https://doi.org/10.3390/brainsci11050567>.
- Liu H, Chen X, Huang M, Yu X, Gan Y, Wang J, Chen Q, Nie Z, Ge H. Screen time and childhood attention deficit hyperactivity disorder: a meta-analysis. *Rev Environ Health*. 2023 May 11.
- OECD (2021), 21st-Century Readers: Developing Literacy Skills in a Digital World, PISA, OECD Publishing, Paris, <https://doi.org/10.1787/a83d84cb-en>.
- Sarfraz S, Shlaghya G, Narayana SH, Mushtaq U, Shaman Ameen B, Nie C, Nechi D, Mazhar IJ, Yasir M, Arcia Franchini AP. Early Screen-Time Exposure and Its Association With Risk of Developing Autism Spectrum Disorder: A Systematic Review. *Cureus*. 2023 Jul 22;15(7).
- Tamana SK, Ezeugwu V, Chikuma J, Lefebvre DL, Azad MB, Moraes TJ, Subbarao P, Becker AB, Turvey SE, Sears MR, Dick BD, Carson V, Rasmussen C; CHILd study Investigators; Pei J, Mandhane PJ. Screen-time is associated with inattention problems in preschoolers: Results from the CHILd birth cohort study. *PLoS One*. 2019 Apr.
- Twait E, Farah R, Shamir N, Horowitz-Kraus T. Dialogic reading vs screen exposure intervention is related to increased cognitive control in preschool-age children. *Acta Paediatr*. 2019 Nov;108(11):1993-2000. doi: 10.1111/apa.14841. Epub 2019 Jun 9. PMID: 31074876.
- UNESCO. 2023. Resumen del Informe de seguimiento de la educación en el mundo 2023: Tecnología en la educación: ¿Una herramienta en los términos de quién? París, UNESCO.
- E. Kipling Webster, Corby K. Martin, Amanda E. Staiano, Fundamental motor skills, screen-time, and physical activity in preschoolers, *Journal of Sport and Health Science*, Volume 8, Issue 2, 2019, 114-121.
- Wetzel, N., Kunke, D. & Widmann, A. Tablet PC use directly affects children's perception and attention. *Sci Rep* 11, 21215 (2021). <https://doi.org/10.1038/s41598-021-00551-9>.
- Zivan, Michal & Bar, Sapir & Xiang, Jing & Farah, Rola & Horowitz-Kraus, Tzipi. (2019). Screenexposure and altered brain activation related to attention in preschool children: An EEG study. *Trends in Neuroscience and Education*. 17. 100117. 10.1016/j.tine.2019.100117.



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Zhou Y, Jiang X, Wang R, Guo B, Cai J, Gu Y, Pei J. The relationship between screen time and attention deficit/hyperactivity disorder in Chinese preschool children under the multichild policy: a crosssectional survey. BMC Pediatr. 2023 Jul 14;23."