

Suggested Resources to support Play-Based Maths and Science Webinar

Background Reading:

- Learning through Play Resource Book
https://ccea.org.uk/sites/default/files/docs/curriculum/area_of_learning/ks1_learning_through_play_resource_book.pdf
- STEM Policy
<https://www.education.ie/en/The-Education-System/STEM-Education-Policy/stem-education-implementation-plan-2017-2019-.pdf>
- SSE Update 13
http://schoolself-evaluation.ie/primary/wp-content/uploads/sites/2/2019/10/Primary_SSE_UPDATE_13_FINAL_ENG.pdf

Video Resources:

- Interview with Prof. Doug Clements re. The role of interactions
<https://vimeo.com/167398222>
- Using Digital Technologies to Assess Play
<https://www.pdsttechnologyineducation.ie/en/Good-Practice/Videos/#271829287>

STEM Resources:

- Junior STEM resources:
<https://www.scoilnet.ie/pdst/scienceweek/junior/>
- Senior STEM resources:
<https://www.scoilnet.ie/pdst/scienceweek/senior/>
- Teaching Science through story:
<https://www.stem.org.uk/teaching-science-through-stories>
- SFI Discover Primary Science and Maths:
<https://www.sfi.ie/engagement/discover-primary-science-and-maths/>
- Space and astronomy: <https://esero.ie/primary-level/>
- STEM picture books: <https://padlet.com/darrensheils1/STEMstories>

- Outdoor Learning Resources: www.schoolearthed.ie and <https://greenschoolsireland.org/>
- BeeBots: <http://www.only2clicks.com/pages/Traleec>
- Other helpful websites: <https://www.stem.org.uk/audience/primary>, <https://explorify.wellcome.ac.uk/> and <https://sciencekids.co.nz>

Play-Based Maths:

- Maths picture books: https://padlet.com/realtinberry/playbasedmaths_picturebooks
- Play-Based Maths: <https://www.pdst.ie/earlymaths>
- PDST Maths Manuals: <https://www.pdst.ie/NumeracyMain>

Play-Based Science:

- PDST planning for science: <https://pdst.ie/primaryscience>
- SFI Discover Primary Science planning guide: <http://www.sfi.ie/engagement/discover-primary-science-and-maths/resources/teacher-created-resources/teachers-planning-guide.pdf>
- Primary Science Teachers Trust (UK): <https://pstt.org.uk/resources>