



Assistive Technology – information, ideas and resources for communication and access to learning.

Claire Harrison, CALL Scotland

Cerebral Palsy Scotland Conference, 3rd October 2019



We help children and young people across Scotland to overcome disability and barriers to learning

Both research & development and service unit since 1983.





Curriculum for Excellence: The 4 Capacities

- Successful learners
- Confident individuals
- Responsible citizens
- Effective contributors

Curriculum for Excellence

How can you be a:

- **Successful learner** - if you can't read books and learning materials?
- **Confident individual** - if you depend on others to read to you, write for you or talk for you?
- **Responsible citizen** - if you don't have access to information?
- **An effective contributor** - if you can't speak, write or communicate?

Communication Access Literacy & Learning



Learning

- Webinars every second Wednesday during term time.
- Webinars are free and typically last around 30 minutes, including time for questions.
- Around 130 past webinars can be viewed in the CALL Webinar Archive

Upcoming webinars

[TextHelp literacy support software](#)

- ▷ Wednesday, 02 October 2019
16:00-16:30 (UK time zone)

[Providing a virtual classroom for learners to support Anytime, Anywhere learning](#)

- ▷ Wednesday, 09 October 2019
16:00-16:30 (UK time zone)

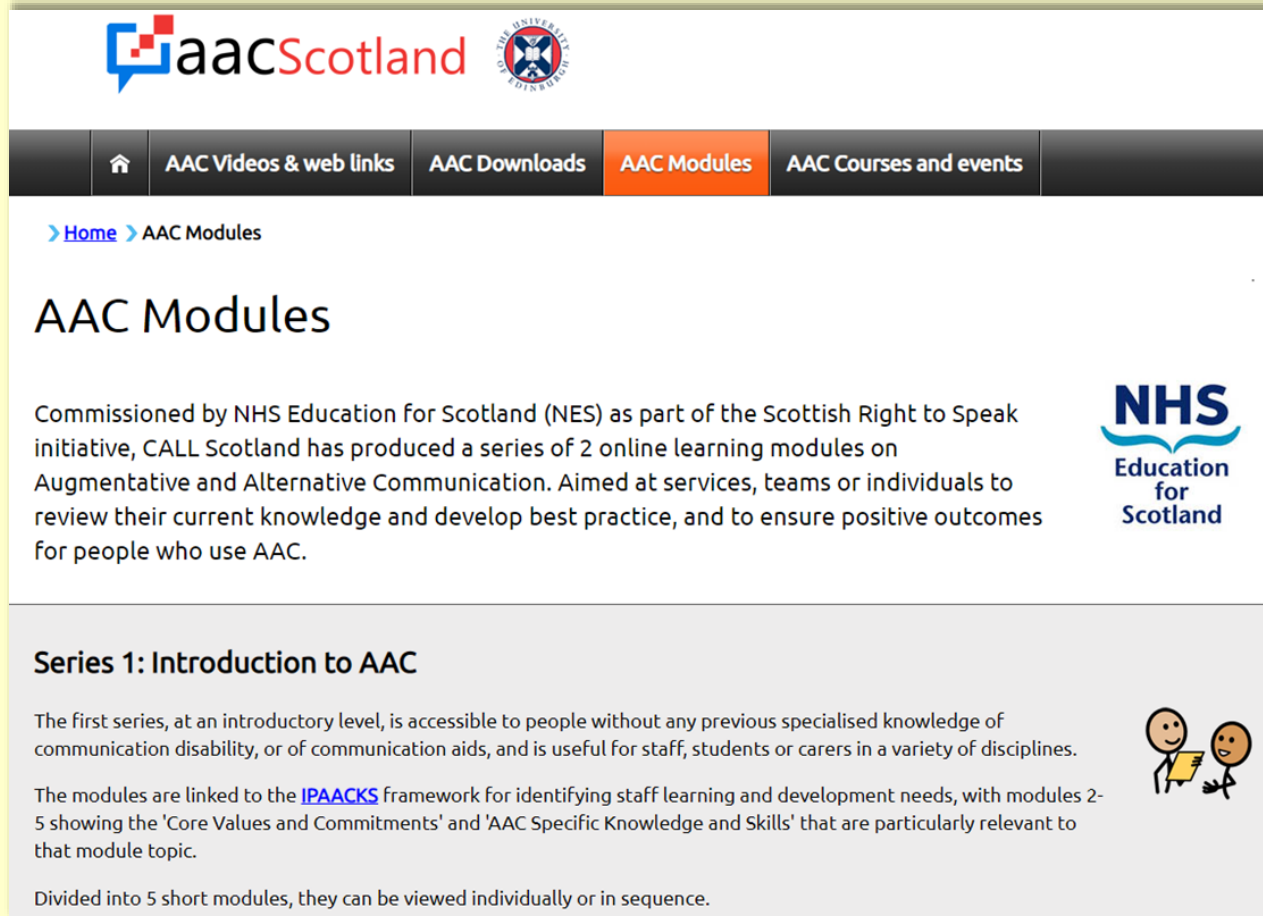
[The benefits of Word Prediction for Learners with Literacy Difficulties](#)

- ▷ Wednesday, 30 October 2019
16:00-16:30 (UK time zone)

[Creating personalised activities quickly and easily using the Bitsboard app](#)

- ▷ Wednesday, 06 November 2019
16:00-16:30 (UK time zone)

Online Learning Modules



The screenshot shows the AAC Scotland website. At the top left is the AAC Scotland logo, which includes a stylized 'a' and 'c' in blue and red, followed by the text 'aacScotland'. To the right of the logo is the University of Edinburgh crest. Below the logo is a navigation menu with five items: 'Home', 'AAC Videos & web links', 'AAC Downloads', 'AAC Modules' (which is highlighted in orange), and 'AAC Courses and events'. Below the navigation menu is a breadcrumb trail: '> Home > AAC Modules'. The main heading is 'AAC Modules'. Below this is a paragraph of text: 'Commissioned by NHS Education for Scotland (NES) as part of the Scottish Right to Speak initiative, CALL Scotland has produced a series of 2 online learning modules on Augmentative and Alternative Communication. Aimed at services, teams or individuals to review their current knowledge and develop best practice, and to ensure positive outcomes for people who use AAC.' To the right of this text is the NHS Education for Scotland logo. Below the main text is a section titled 'Series 1: Introduction to AAC'. This section contains three paragraphs: 'The first series, at an introductory level, is accessible to people without any previous specialised knowledge of communication disability, or of communication aids, and is useful for staff, students or carers in a variety of disciplines.', 'The modules are linked to the [IPAACKS](#) framework for identifying staff learning and development needs, with modules 2-5 showing the 'Core Values and Commitments' and 'AAC Specific Knowledge and Skills' that are particularly relevant to that module topic.', and 'Divided into 5 short modules, they can be viewed individually or in sequence.' To the right of the text in this section is a small icon of two people, one holding a book.

www.aacscotland.org.uk

AAC Modules - Introduction to AAC

1 Communication in Everyday Life



2 Communication Support Needs




3 Introducing AAC



4 Helping to Make Communication Work



5 Inclusive Communication

SCHEDULE		
1.		bus
2.		reading
3.		math
4.		lunch
5.		recess

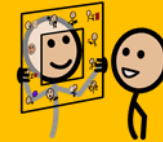
1 Setting the Scene



2 Communication Friendly Schools



3 Augmentative Communication in Practice



4 Educational Frameworks



5 Supporting Learning & Teaching



6 Working Together

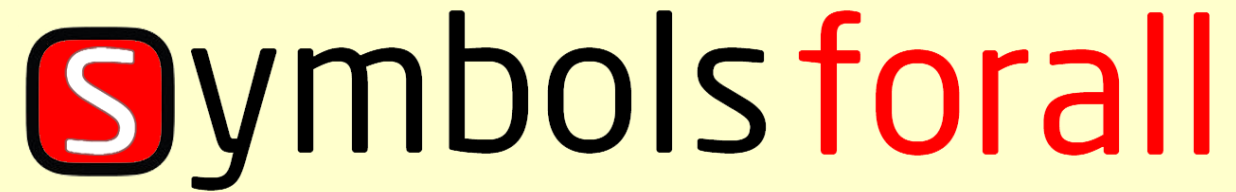


AAC Modules – AAC in Education

7 Communication for Life



Resources



- www.symbolsforall.org.uk
- Accessible teaching resources for learners with ASN
- Symbol resources available as PDFs
- Resources created using PCS, Widgit & SymbolStix
- Available for anyone to download, print and use.

Symbols For All Resources

Old MacDonald

sheep	pig	dog	donkey
horse	cow	hen	duck

Support your learners to point to the symbols to say what happens next as you sing 'Old MacDonald'. Alternatively, cut out, laminate & velcro the individual symbols to enable learners to choose what is next by eye pointing to their choice or handing over a symbol to indicate their choice.

symbolsforall

pull down trousers	pull down pants	lift seat	stand facing toilet to do wee	pull up pants
pull up trousers	flush	put down seat	finished	wash hands

symbolsforall

listen	look	stand up	sit down	walk
wait	deep breath	toilet	I need help	well done

Laminate and cut up these symbols. They can be hole punched in the top left corner and attached to a ring. Hang from a lanyard e.g. an I.D. badge for easy access and use by individual staff.

Computing Chat Board

I	like	stop	type words
not	more	go	photos/pictures
you	please	Internet search	print

The Picture Communication Symbols ©1981-2017 by Tobii Dynavox. All Rights Reserved Worldwide. Used with permission. Created by CALL Scotland 2018

Scottish Adult voices for learners and AAC users

- 2008: Heather licensed for Scottish schools
- 2011: Stuart developed
- 2015: Ceitidh – the world’s first Scottish Gaelic voice



Heather



Stuart



Ceitidh

Andrew – Scottish Child



Andrew

www.thescottishvoice.org.uk

Mairi – Scottish Child



Mairi



www.thescottishvoice.org.uk

Resources



- www.booksforall.org.uk/Home/
- Accessible learning materials in alternative formats.
- For learners who have difficulty reading ordinary printed books.
- Accounts are free for educators in Scotland supporting learners with print disabilities.



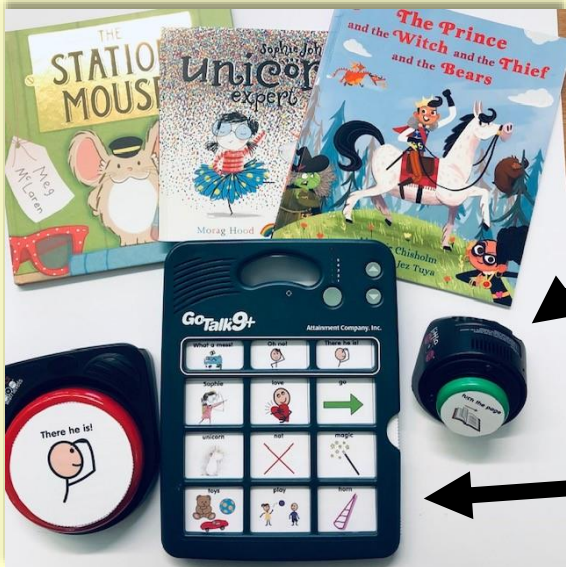
For switch and touch accessible digital books: Keynote App on an iPad.

For commenting, asking & answering questions: Sounding Board App on an iPad.
<https://apps.apple.com/gb/app/soundingboard/id390532167>



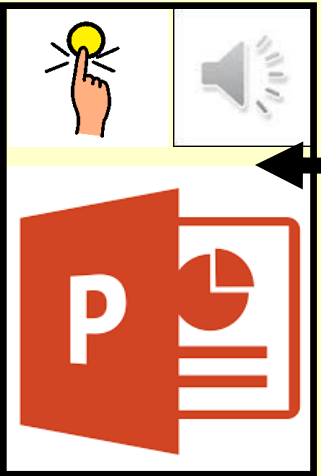
For Eye Gaze, switch and touch accessible books: Grid 3 on PC and iPad.

For early level writing activities for eye gaze, switch and touch: Clicker Sets for PC and iPad



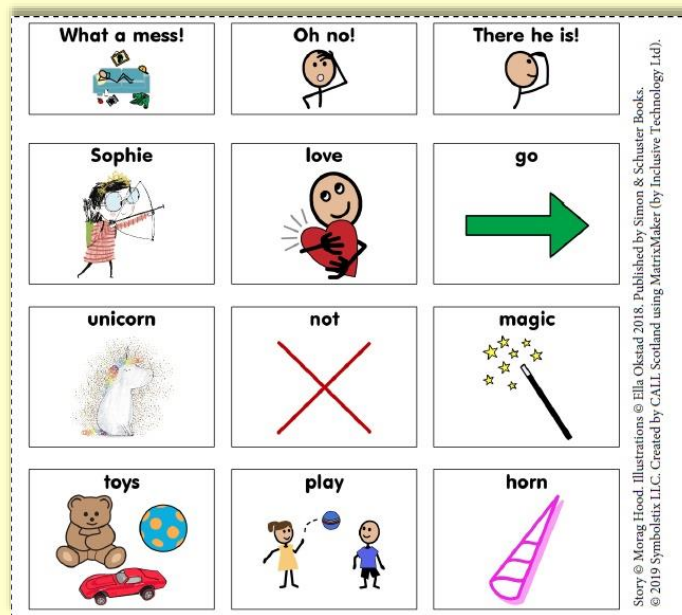
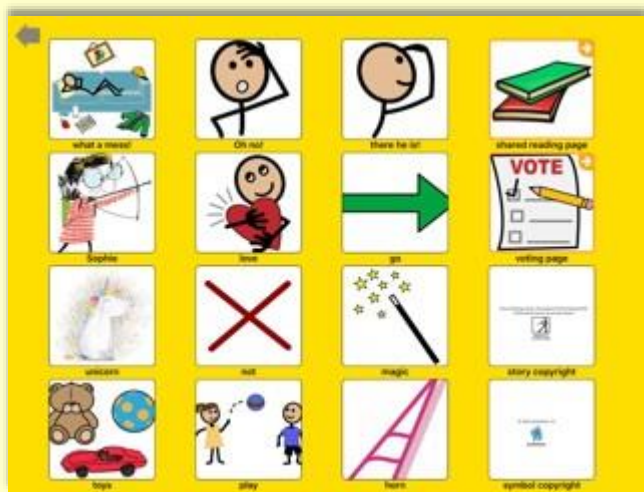
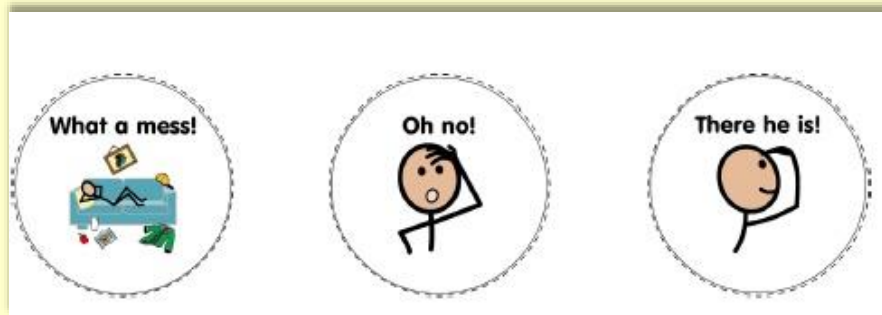
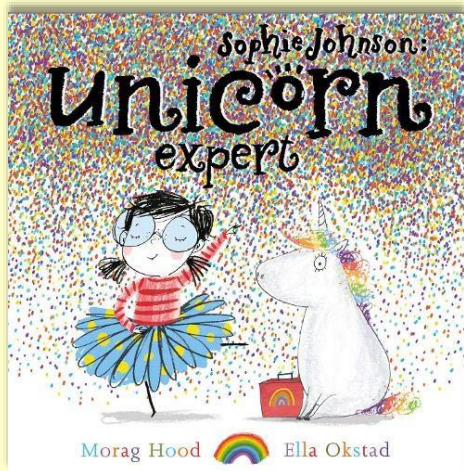
For joining in with single repeated phrases: LittleMack symbolised labels & BigMack symbolised labels

For commenting, asking & answering questions: Go Talk9+ symbolised overlays.



For switch & touch accessible digital books on a PC & interactive board, PowerPoint Slideshows.

Book Bug Symbol Resources



- Go Talk 9+ overlays
- BIGmack labels
- LITTLEmack labels
- Sounding Boards
- Vocabulary sheets & activities



New for 2019 – Eye Gaze Accessible Resources

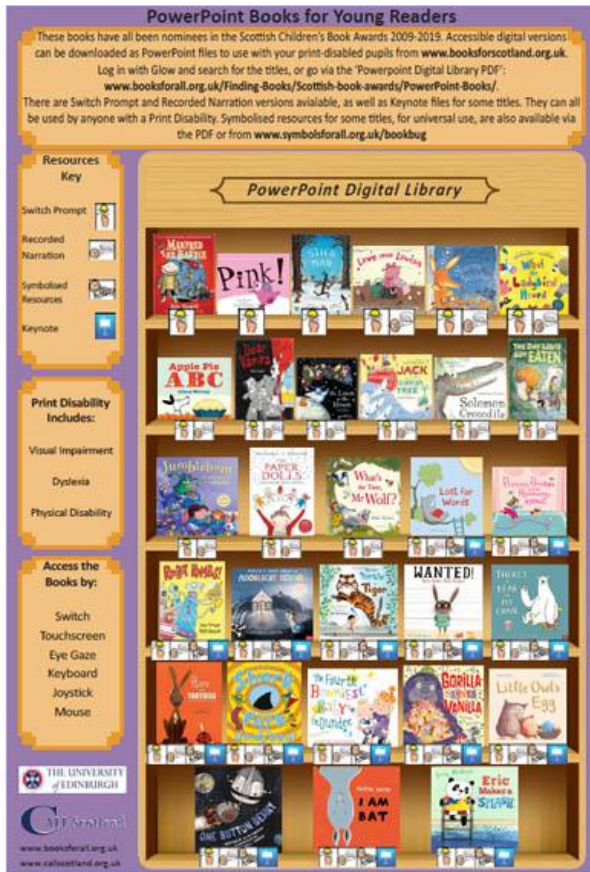


- Eye Gaze accessible copies of the Bookbug Picture Book Prize 2020.
- Eye gaze versions of the shared reading communication grid and voting page.
- Eye gaze accessible learning activities related to the Bookbug Books.
- Eye gaze versions of Symbols for All communication grid sets.



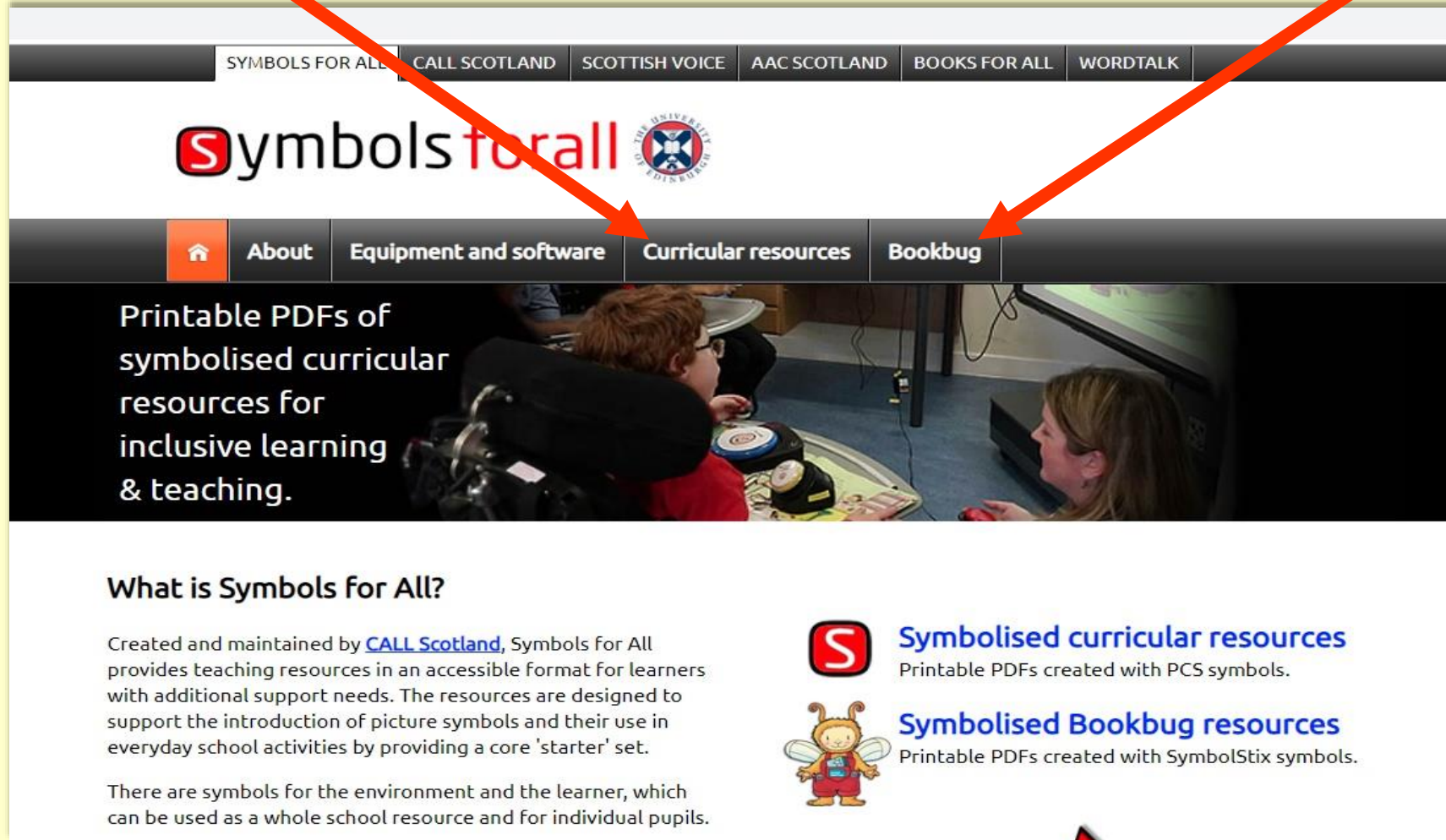
Where to find pre 2020 resources for 30 digital books

- ← Download this interactive PDF with clickable links to all the resources from previous years:
- Digital PowerPoint Books (Switch Prompt & Recorded Narration versions)
 - Digital Keynote Books
 - Symbolised Resources





PCS & Widgit Curricular resources

SymbolStix Shared Reading Resources

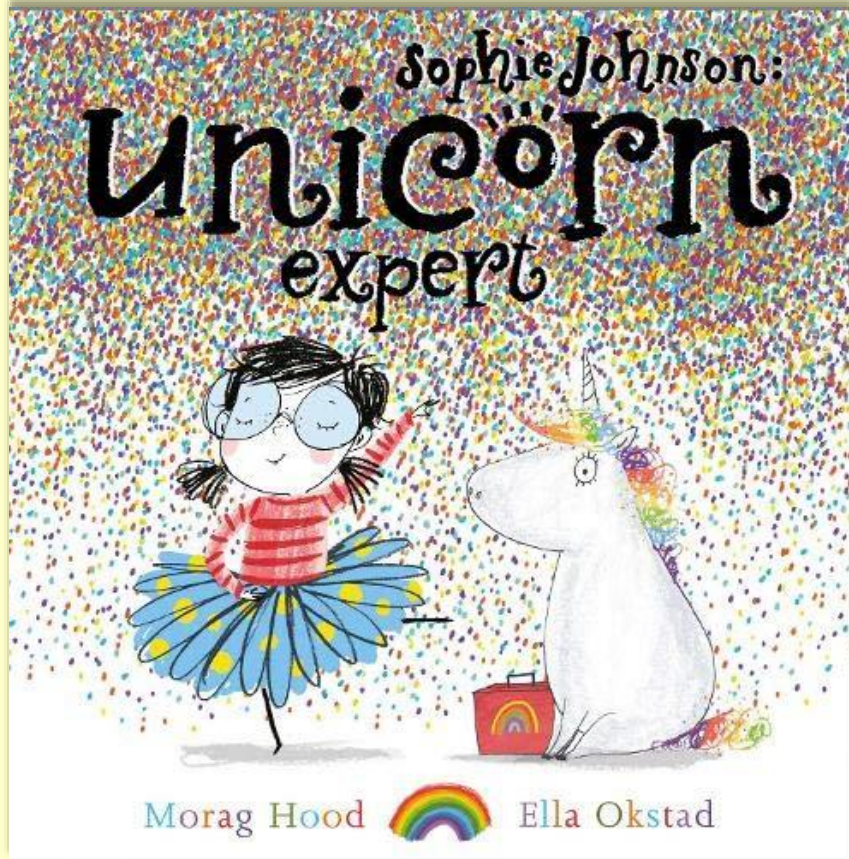


The screenshot shows the website's navigation bar with the following items: SYMBOLS FOR ALL, CALL SCOTLAND, SCOTTISH VOICE, AAC SCOTLAND, BOOKS FOR ALL, and WORDTALK. Below this is the 'symbolsforall' logo with the University of Edinburgh crest. A secondary navigation bar includes: Home, About, Equipment and software, Curricular resources, and Bookbug. The main content area features a banner with the text 'Printable PDFs of symbolised curricular resources for inclusive learning & teaching.' and a photograph of a child in a wheelchair interacting with a woman. Below the banner, the text 'What is Symbols for All?' is followed by a paragraph: 'Created and maintained by CALL Scotland, Symbols for All provides teaching resources in an accessible format for learners with additional support needs. The resources are designed to support the introduction of picture symbols and their use in everyday school activities by providing a core 'starter' set. There are symbols for the environment and the learner, which can be used as a whole school resource and for individual pupils.'

 **Symbolised curricular resources**
Printable PDFs created with PCS symbols.

 **Symbolised Bookbug resources**
Printable PDFs created with SymbolStix symbols.

Inclusive Shared Reading Activity



We will use:

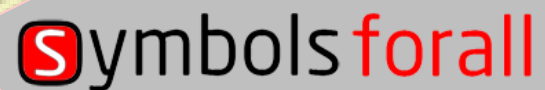
- Digital copy of the Switch Prompt PowerPoint for 'Sophie Johnson: Unicorn Expert'.
- Single Message Devices with repeated phrases
- Go Talk 9+ with the story overlay
- iPad with the Sophie Johnson: Unicorn Expert Sounding Board

<https://www.thescottishvoice.org.uk/home/>

<https://www.aacscotland.org.uk/Home/>



<https://www.booksforall.org.uk/Home/>



<https://www.symbolsforall.org.uk/home/>



<https://www.callscotland.org.uk/home/>

And Finally...

- Family Fun Day, Saturday 28th March 2020:
- At CALL Scotland in Edinburgh
- FREE (but you will need to book in advance)
- Lots to see and do – chat about technology & software, watch demonstrations, hands on with computer & toys, games, music, SMART Wheelchair rides and more!





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CALL Scotland

Any Questions?