



# Supporting Pupils with SEN using ICTs

## Summer Course for Teachers

10 Modules - 5 Days – 20 Hours

Approved by:

Department of Education and Skills  
for EPV days

Course designed by:

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## Supporting Pupils with SEN using ICTs - DAY 1.

- **Module 1** – Introduction to Course, G Suite and Literacy Websites
- **Module 2** – Selecting a Literacy Website and Creating a Slideshow to Explain why this Choice was Made.

### Aims of Module 1 + 2

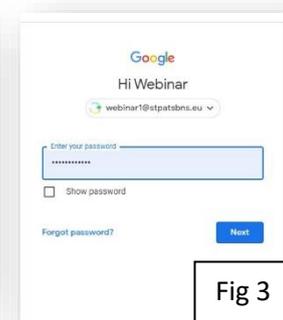
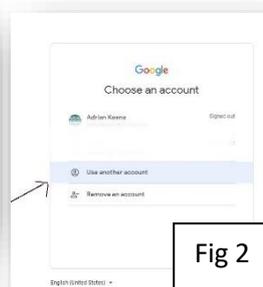
- Participants will be aware of some effective current websites to assist pupils with SEN gain literacy concepts.
- A range of criteria will be introduced to assist participants to evaluate literacy websites critically.
- Participants will be encouraged to select one literacy website to support their own pupils with SEN and will create a ppt (or Google Slides) slideshow to explain to others why selection was made.

### Module 1 - G Suite – Why is it part of this course?

During the week you will (hopefully!) see why G Suite for Education is very useful for use with pupils with SEN from 3<sup>rd</sup> to 6<sup>th</sup> Class and all through Secondary School. We will show you how to use G Suite Extensions for pupils with SEN, how useful Google Slides could be to assist with projects, how Google Docs can be adapted to allow pupils to dictate and much more.

Firstly, you need to make sure that you can log in to your assigned G Suite account in order to participate in the Getting to Know You activity in Session 1 and the group Google Slideshow in Session 2 later.

- Here, there are a sequence of images to assist you in logging in. If you follow from Fig 1 forward you should get an idea of what to watch out for on-screen as you are progressing through logging on for the first time to the assigned G Suite account.
- **Fig 1** - You open Google and type in "Sign in Google" in the search bar and you should see a blue button on the top right corner.
- **Fig 2** - Click on the blue button and you should see a number of accounts and at the bottom as shown "Use Another Account"
- **Fig 3** - Log on using the webinar account and password you were given as shown here.
- **Fig 4** - When logged in YOU should see a W or a single letter on the top right corner and the 9 dot waffle as highlighted here. Clicking on the 9 dot waffle will bring you the drop down menu with the G Suite Apps available as shown in Fig. 4.



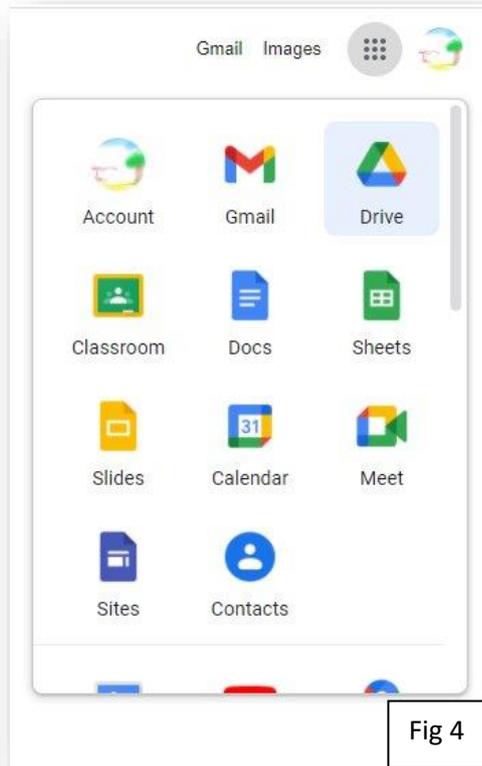


Fig 4

**Fig 4 (cont'd)** - Here the 9 dot waffle is highlighted as is Google Drive. If you click on Google Drive you will see a set of tools on the left column.

**Fig. 5** - Click on “Shared with me” to view the “Getting to Know You Document.”

**Fig. 6** - Click on the document to open it and you will see that each group is a different colour as you scroll through the pages (also links to the pages on the left)

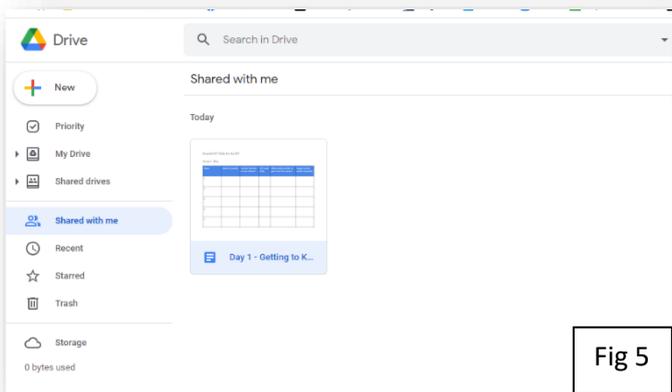


Fig 5

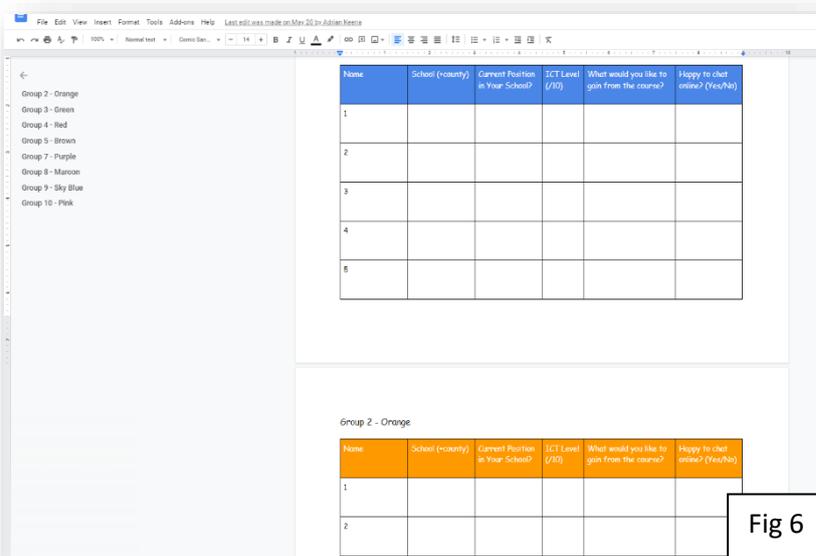


Fig 6

as shown in Fig.6). Find your assigned group and complete the row with your name on it. You will notice others typing at the same time. Just carry on with your work. The completed document will be discussed when all are ready. Congratulations you have just used a shared file in Google Docs.

**G Suite for Education**

We will continue to explore G Suite for Education with Google Slides in the next session.

## Module 1 – Literacy Websites

### a. Content Rich Websites 1 – [Storyberries](#)

A selection of short stories to be read to children can be chosen (as shown in Fig 1) by Age, Time, Type, Topic or Conversation. All are free and each one is presented in one scrollable page, keeping the format simple and uniform throughout. The stories are beautifully illustrated and can be purchased in book form if desired.



Fig 1

This is an example of a story from Storyberries – Choose by Type – Chapter Books – the famous story “The Little Princess” (Fig 2) is reproduced here in 19 chapters with each chapter being presented on a single webpage – ideal for end of the day reading to encourage pupils with SEN to anticipate what might happen next – opportunities for development of oral language etc.

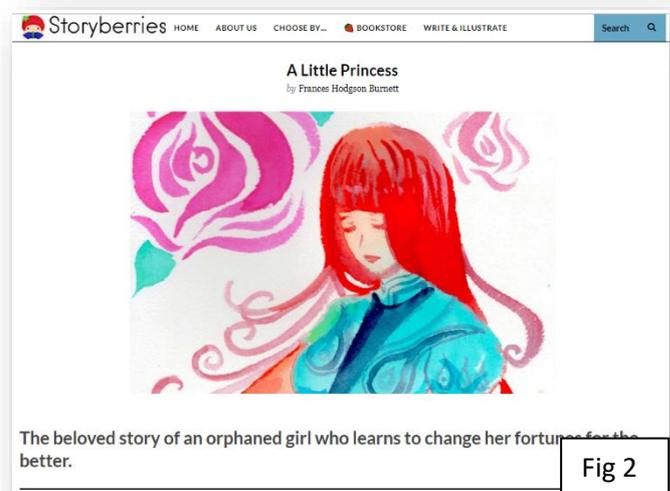


Fig 2

The option is available at the bottom of the home page to select books from a huge selection of books by conversation and category (Fig 3)



Fig 3

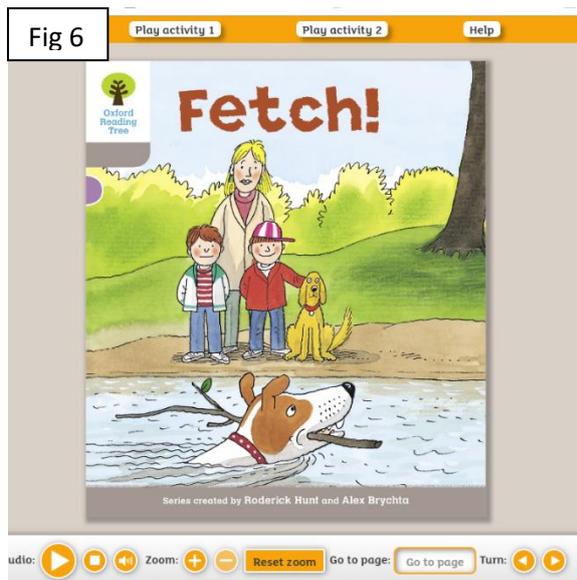
### b. Content Rich Websites 2 - Oxford Owl

[Oxford Owl](#) is an amazing one stop shop for literacy development, has expanded hugely over the last few years and now provides most content free of charge. In the “For Home” Section alone, the site includes graduated activities and videos on [phonic development](#), [grammar and punctuation](#), [spellings](#), [handwriting](#), [reading](#), [creative writing](#) – even colouring activities (Fig 4)

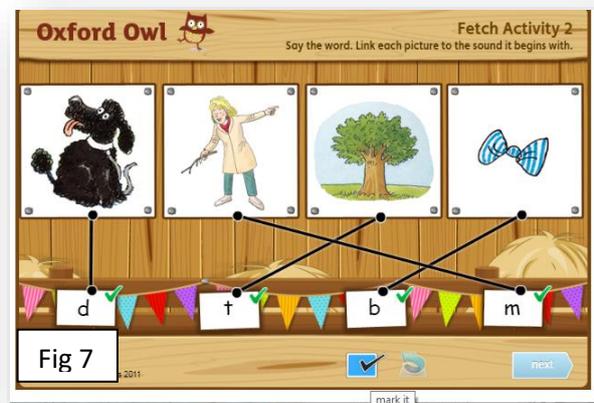
Colouring Activities – chance to develop knowledge of characters.



Ebooks – Numerous ebooks, available in full colour, can be sorted by age, level, type or series (Fig 5). These ebooks are very engaging for pupils with SEN as they are very colourful, are fully graded allowing for correct level of vocabulary and success for pupils in being able to finish a book.

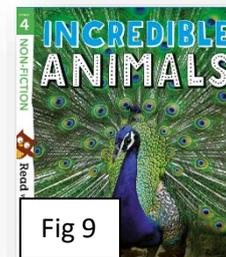
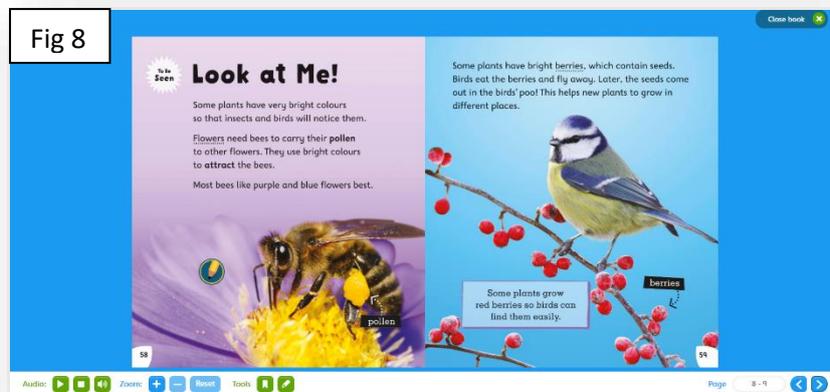


The book on the left (Fig 6) is called “Fetch” and is Level 1 – no words accompany the pictures. Clicking on the button on the bottom right hand corner allows the reader to turn the page. The



inside cover provides instructions on how to discuss the pictures with the pupil(s). It also ask you to introduce the words “fetch” and “catch”. The back cover provides follow up questions. As can be seen in Fig 6 there are two Play Activities also per book. Above (Fig 7) is one of the completed “Fetch” activities for this book. The pupil can self-assess their progress by clicking on the blue box with the correct symbol (mark it) in determine if they have completed the activity correctly.

The two-page spread below (Fig 8) is from “Incredible Animals” – very colourful, informative but easy vocabulary, just enough text but would be appropriate, in relation to content, for pupils with SEN right up to secondary school level. There are specific instructions on the inside cover on how best to approach non-fiction books and there is a glossary and wordsearch at the back of the book.



### c. Content Rich Websites 3 - Teach Your Monster to Read

Interactive phonics game, hugely engaging for pupils, allowing a teacher to set up multiple accounts for pupils – tracks progress of pupils, app version involves payment, computer version (PC and Apple) completely free. Teacher signs up and creates pupil account as in Fig 10. Make passwords editable – below creation of pupil accounts.

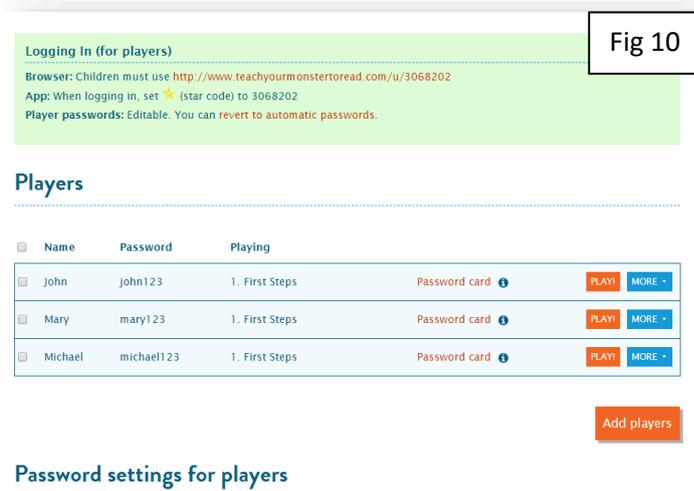


Fig 10

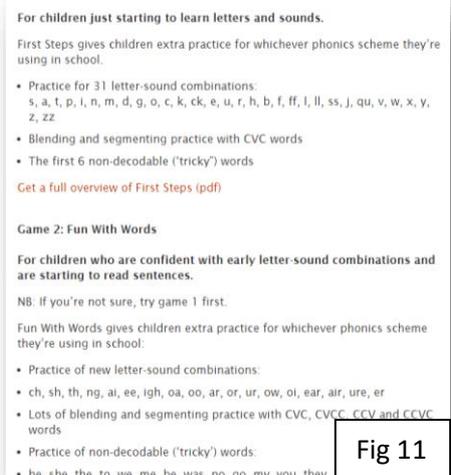


Fig 11

Below, Fig 12, is a sample of a printable activity and Fig 13 (hyperlinked) provides information on how to involve parents to assist pupils gain the necessary phonic skills. Fig 14 is taken from the [full instructional guide](#) which is available in pdf format.

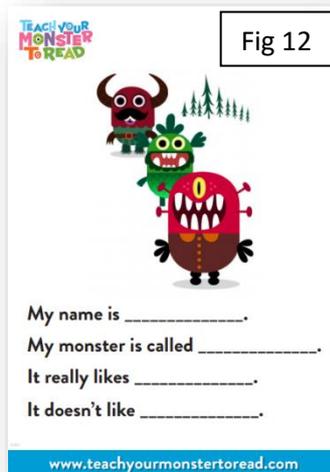


Fig 12

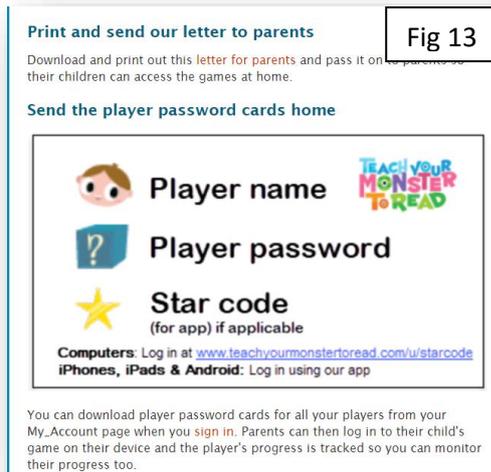


Fig 13

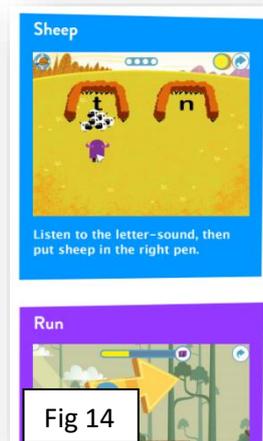


Fig 14

### Criteria for Assessment of Good Literacy Website for Pupils with SEN.

- fun, interactive and engaging
- has been tried and tested over time, pupils return willingly to continue work.
- peer-reviewed with testimonials/reviews/research links provided by site.
- content set at appropriate level
- at a minimum, outline of educational content and progression provided, preferably, full online manual (probably in pdf format) provided for educators (as Fig 14 above)
- pupil accounts allowing for tracking of individual progress
- teacher account allowing for monitoring of pupils, resetting of passwords and printing of results.

### Content Creation Websites 1 – Sightwords

Unlike the section above, with these websites, though there may be content, advice, tips, instructions available, our focus for these sites is on creating own content.

- Huge resource which includes video step by step links to explain the key concepts of language attainment. e.g. Basics of Phonological and Phonemic Awareness [explained](#) and Basics of Sentence Construction [explained](#)
- Opportunity to create own [flashcards](#), [bingo cards](#),

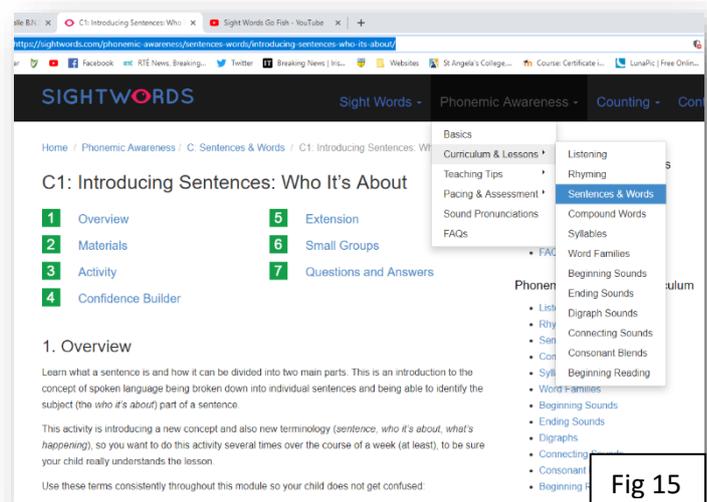


Fig 15

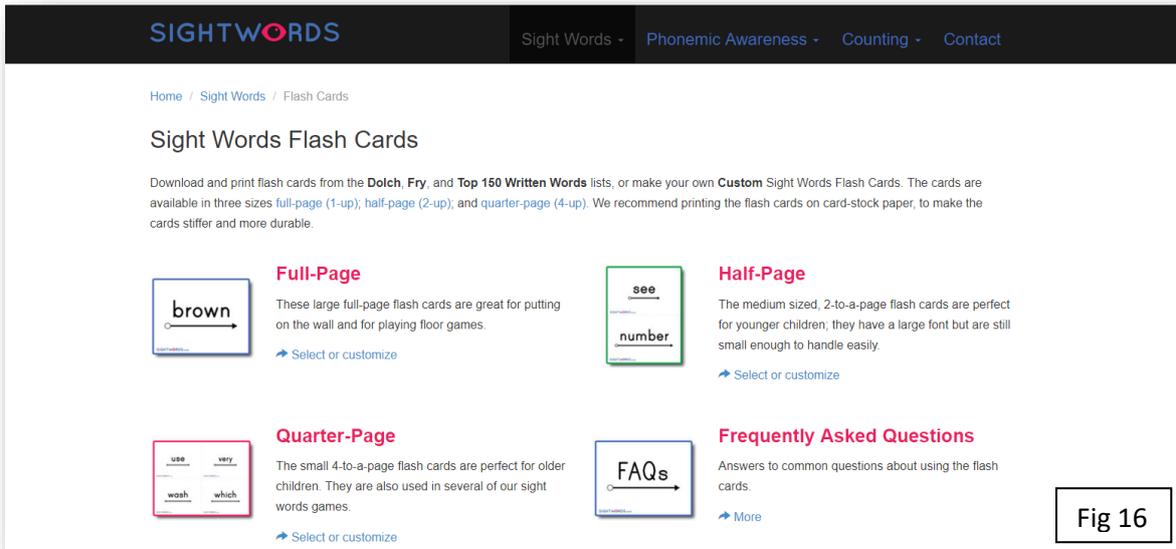


Fig 16

Fig 18 shows the first of 13 pages from the pdf in quarter-page layout of the first set of Kindergarten (52 words) flash cards (Fig 17)

The cards are presented in a clear font that is universally acceptable for all pupils and show the reading direction to remind pupils to read from left to right and teacher to start moving his/her finger from the circle.

As can be seen from the drop down menu on Fig 19 there are many word games that can be played with Sight Words resources.

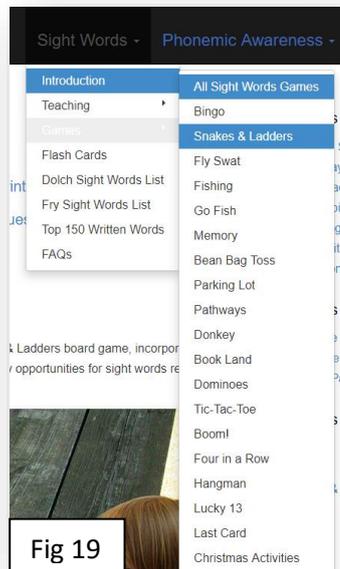


Fig 19

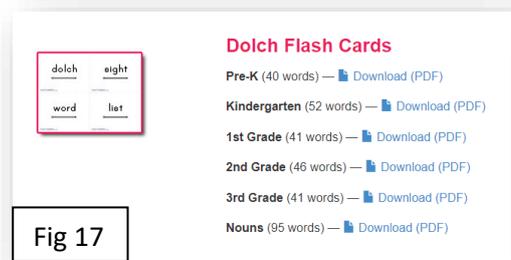


Fig 17

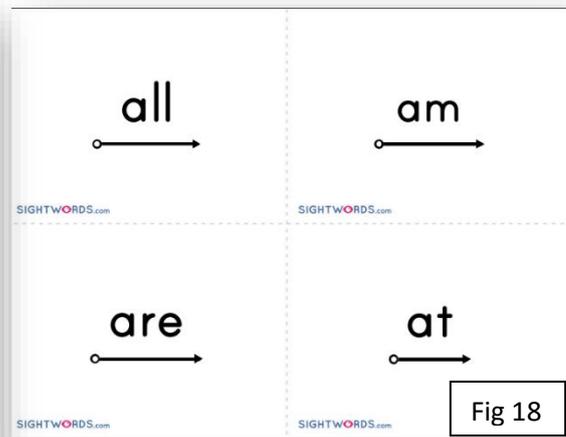


Fig 18

## Content Creation Websites 2: SEN Teacher.

SENTeacher.org is a huge content creation website for literacy and numeracy and is completely free. It is THE website that every teacher catering for pupils with SEN should be fully aware of and comfortable using the tools it provides in order to create customised resources. The many advantages of SENteacher include:

- Templates are totally customisable allowing for individualised resources to be created
- Numerous worksheets at the same level can be created to allow pupils with SEN more time to practise at one level before moving on to a higher one
- All the basics are covered in both literacy and numeracy: common sight word lists, word games, time, money etc.
- Search tools make finding symbol search for e.g. autism resources much easier (Fig 20).
- The web links section is very focussed and a great one stop shop to find out more on any particular SEN need (Fig 21)
- In Printables section, every resource, made available for printing, is fully customisable.



Fig 20



Fig 21

Sample Customised Resource - SENTeacher – Creating a Customised Word & Picture Card Set

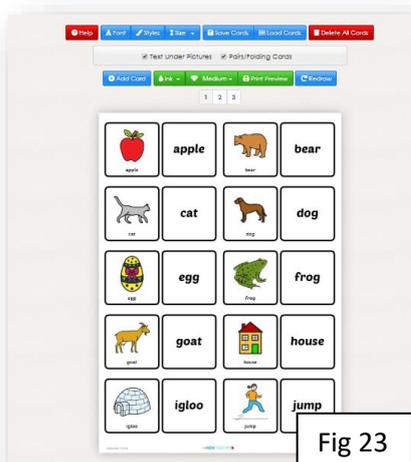


Fig 23

1. Click on Printables – Literacy – Word & Picture Cards (6th option on this page)
2. The page in front of you should look like Fig 22
3. Above the page there are choices – select “Load Cards” – this option is ringed above pictures
4. After clicking this option the resultant page offers a choice of 425 prepared wordlists (Fig 23)
5. Scroll down the page (Fig 24) to “a words”



Fig 24

6. The resultant page of a words should look like Fig 25 below (minus the extra pics/writing)

This is Page 1. As new cards are added more pages will be accessed from here.

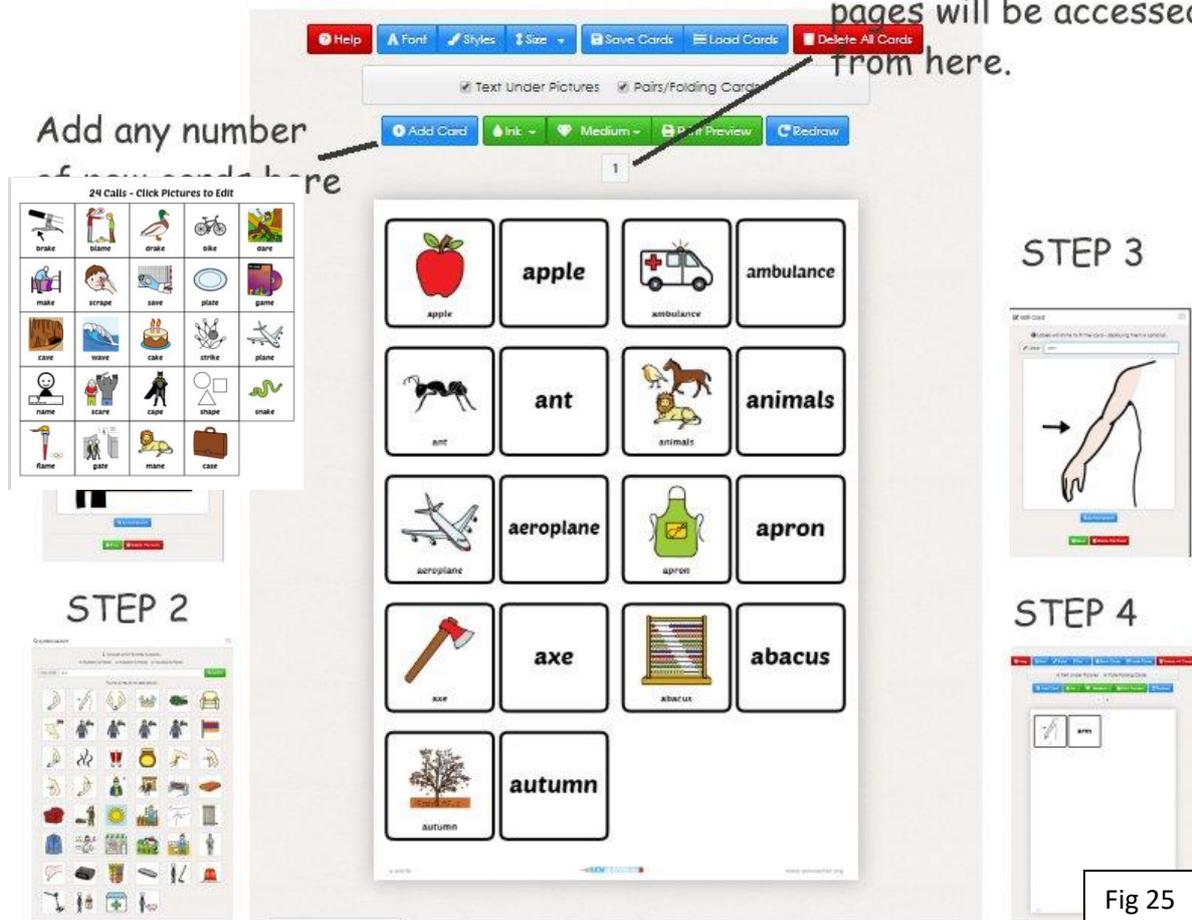


Fig 25

**To Customise by Adding a Card:**

STEP 1 – Click on blue button “Add a card” as shown in Fig 25. This will open a picture like STEP 1 pic above.

STEP 2 – Type in arm in Label box. Click on blue button underneath picture “Symbol search”. Search for “arm” shows the choices shown.

STEP 3 – Choose the second symbol and ensure the label “arm” is applied above it.

STEP 4 - This will be added as a new card – either on the end of P1 or start of P2 as shown.

The power of SEN teacher to provide quality customised resources quickly should be immediately apparent on completion of this simple activity.

*ACTIVITY 1 – Can you create a set of bingo cards to practice Magic E words – as Fig 26. Screengrab and save for Google Slides slideshow. Add in four extra cards, make, brake, bike and strike. Note the way your added words have been included randomly on pupil bingo cards. Screengrab 2. Ensure these pupil bingo cards show 12 pics each (Bingo Format Cards). Save and prepare your cards for printing.*

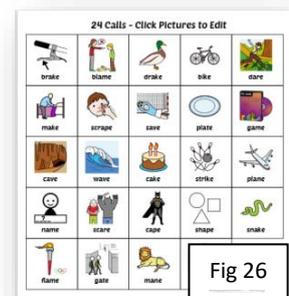


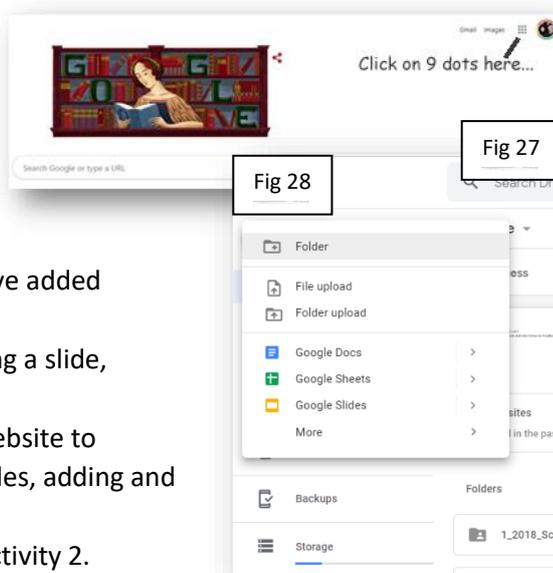
Fig 26

Some suggested literacy links will be found here:

<https://www.akwebdesign.ie/sen>

**Google Slides** – to present findings on choice of website.

- From your G Suite account, click on the nine dots (Fig 27) on the top right corner of the Google home page.
- This opens the Google Apps section – click on Drive, then the New button in the top left corner, select Google Slides from the drop down list – Fig 28.
- This is just to get you started. On YouTube I have added instructional videos for Google Slides:
- Google Slides Video 1 – [Getting Started](#) – Adding a slide, adding text and images, naming and saving.
- Google Slides Video 2 – [Project](#) – Selecting a website to review, selecting a template, creating three slides, adding and editing screen grabs, adding text and saving.
- Hopefully, you will now be ready to roll with Activity 2.



*ACTIVITY 2 – Choose a website (Content Rich or Content Creation) from the list provided on the SEN webpage and create your own resource for a child in your care. Support this resource by adding it to your Google Slides slideshow (4 slides) explaining the reasons for selection, any customisation you carried out, positives and negatives of this website to assist you with your child with SEN. Add in the slides to slideshow from Activity 1 (2 slides).*

**LEARNING LOG – DAY 1**

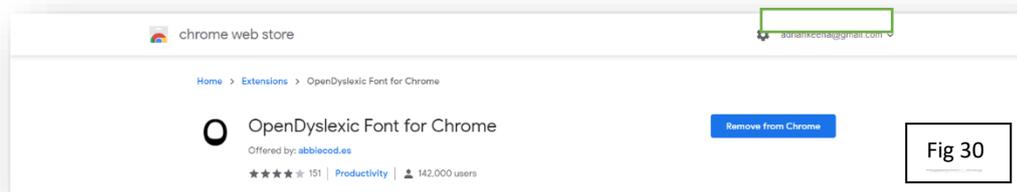
**NOTES**

**Day 2 Using Google Chrome Extensions to level the playing field!**

Google Chrome has the capacity to add extensions to its browser in order to increase its functionality. This is very important information for all SEN teachers as it affords the teacher, of all pupils with SEN from Third Class to Senior Cycle, the opportunity to complete assignments on their own and so enhance self-esteem. These add-on tools include, OpenDyslexic font, Google Dictionary, Select and Speak, Voice Recognition and Read and Write for Google Chrome. They are all available by direct link from the akwebdesign/sen page (Pic – scroll to the bottom of the page in order to add them to Google Chrome – Fig 29).

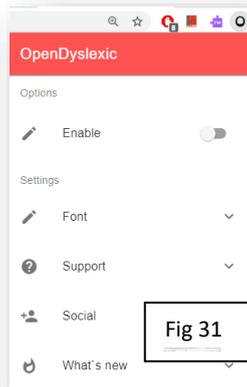


1. **OpenDyslexic font** – when you click on the link it opens Google Web store. Because the extension is already installed on my computer (see Fig 30) the only available option is to “Remove from Chrome”. If you haven’t installed before then the “Install” button should be available on the top right corner. This font allows pupils with dyslexia to view **any** webpage with a weighted font that is easier for

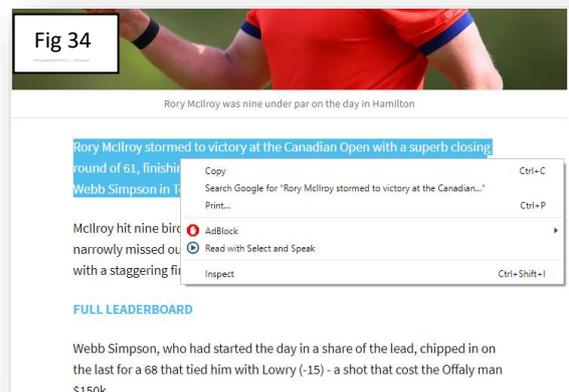


them

to read and to distinguish between letters, particularly b,d,p. To determine that this is so, once the font is switched on, top right of webpage (Fig 31), go to Irish Independent and view – you may need to refresh the screen in order to view the page with dyslexia font but Fig 32 shows what it should look like. The letters are now weighted to suit the reader with dyslexia. Once installed it will always be available on the top right toolbar of Google Chrome – don’t forget to switch off as other users may prefer to use alternative font.

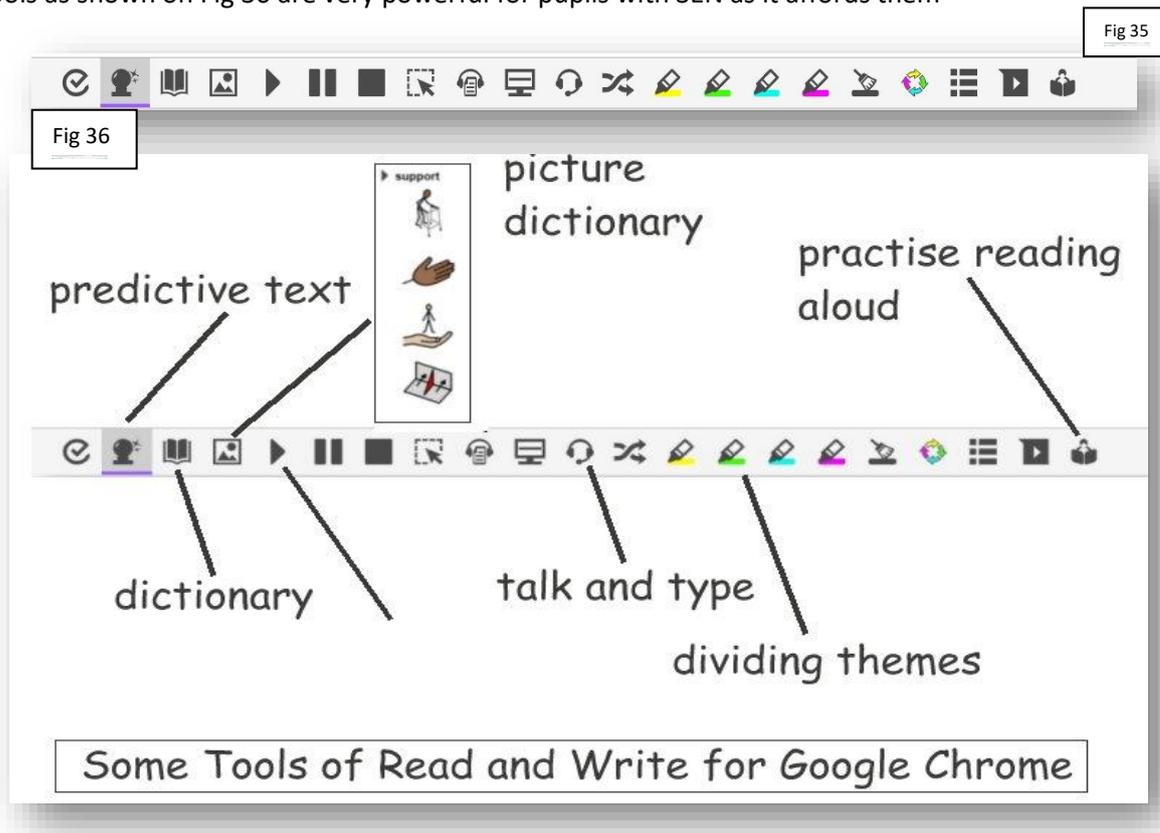


2. **Google Dictionary** – a very useful tool in the promotion of independence for pupils with SEN. The extension is installed in the same way as OpenDyslexic font. When installed it will appear on the top right toolbar with a red book symbol. Now, the meaning of any word on any webpage, provided it is not a link to another page, can be found simply by double-clicking on the word (Fig 33). The word meaning opens in a pop-up with the option to speak the word also present.
3. **Select and Speak** – allows any piece of text from any website to be read aloud when selected. When installed and text selected (not hyperlinked text), right click on the text and the option to “Read with Select and Speak” will now be available – Fig 34.
4. **Voice Recognition** – this extension/app has now been superseded by Voice Typing in Google Docs –simple and effective tool (which will be evaluated later in the course).



5. **Read and Write for Google Chrome** – this extension involves installation of an extra toolbar for use with Google apps such as Google Docs and Slides. View the [video](#) on YouTube. It is very useful, ideal for pupils with SEN, but ordinarily quite expensive for them to purchase. Everyone is allowed a 30 day trial after download but only teachers are entitled to continue to use the extension free after the trial period. In order for teachers to continue to have full access to all the available tools they must [sign up](#), (link also on [www.akwebdesign.ie/sen](http://www.akwebdesign.ie/sen)) to verify that they really are teachers. Once that is done, teachers can continue to use the extension free of charge. When installed from Google Web Store – the toolbar can be viewed by clicking on the rw logo on the top right of Google Chrome (Fig 35).

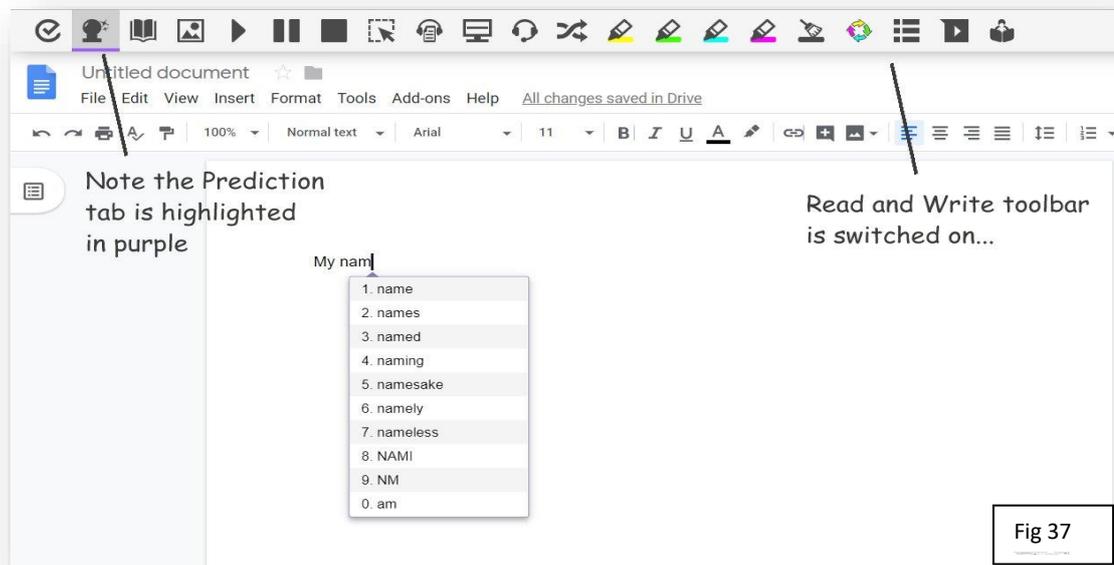
The tools as shown on Fig 36 are very powerful for pupils with SEN as it affords them



independence in their reading and writing process.

- predictive text –works like phone text (Fig 37) allowing the pupil with SEN to overcome motor skills deficits, if present, and relieve the frustration of not being able to get their thoughts on paper as quickly as able-bodied pupils.
- picture dictionary – is very visual and gives an excellent graphic to explain concepts. It is quite good at even abstract concepts.
- talk and type –works like the voice type tool in Google Docs.
- colour dividing –allows pupil to select similar ideas and group them, it will even bring all the same coloured text together – not used very often.

- e. practise reading aloud – very useful, again encourages ownership and independent learning. Pupil can monitor their own progression in reading skills.

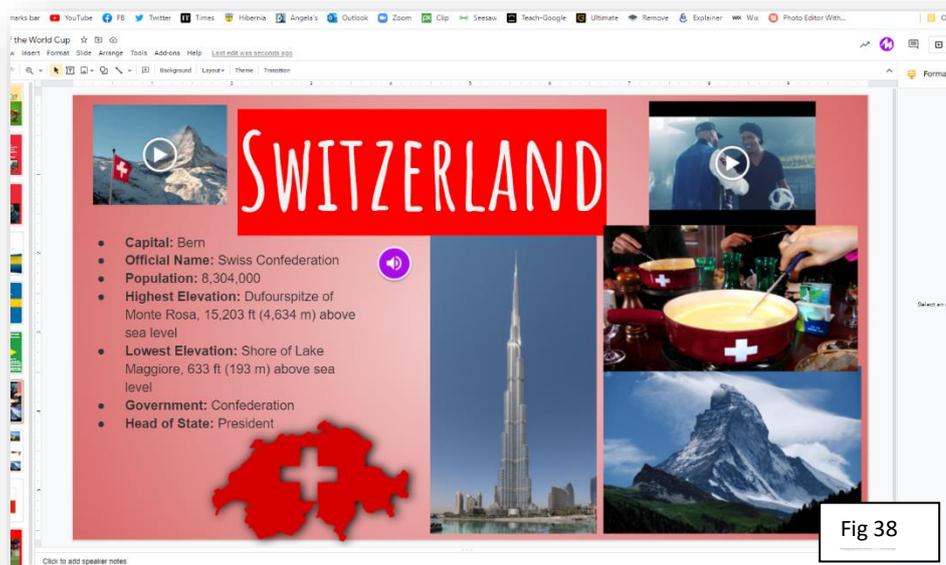


In the example above (Fig 37), Prediction is being used with Google Docs.

Note



Mote is a communication tool that can be added to Google Chrome and allows fast, effective voice messaging. How does this help the pupil with SEN? If they are part of a team project (3<sup>rd</sup> class right



up to end of Senior Cycle) then they can be full and active members by adding voice comments to slideshows which can then be inserted, very easily, into Google slideshows. It is also very useful for

adding comments to assignments, sending voice emails (ideal for those with motor difficulties) and so similar, in terms of working, to WhatsApp voice notes.

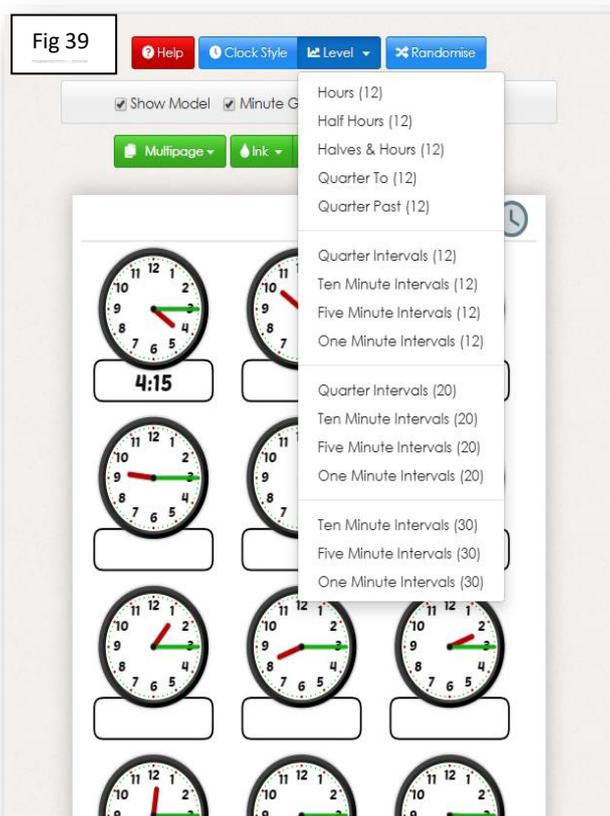
### Activity 3.

*Provide step by step instructions for a pupil with dyslexia to avail of Read and Write for Google Chrome in order to write ten sentences about an animal of your choice, in their own words. Use OpenDyslexic, Google Docs, Prediction from Read and Write for GC and research your chosen animal in DK Find Out.*

### Numeracy Websites Suitable for Pupils with SEN.

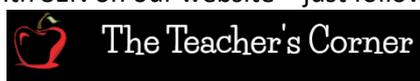
Like the Literacy Websites, there are two types – content websites and content-free websites. The content websites are those that encourage pupils to gain knowledge of a chosen topic. A full list of numeracy websites suitable for pupils with SEN is available on the course webpage. To refer to just two of each here:

1. SENteacher.org – Again the pre-eminent website for numeracy resources due to the ability to customise the available resources to cater for the specific needs and progression rate of the pupil with SEN. Two topics which are crucial for all pupils to gain knowledge of, are time and money. SENteacher is very strong on both.



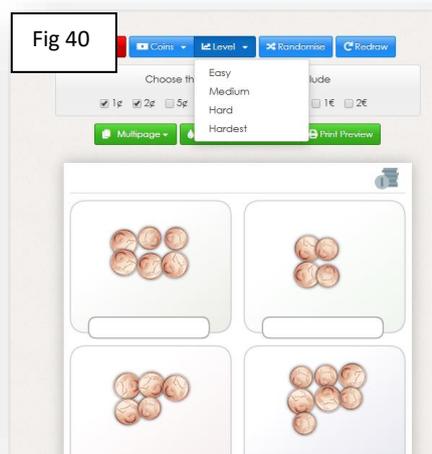
- Worksheets for topic of **TIME** (Fig 39) can be created according to current knowledge level.
- Multiple different worksheets can be created at the same level e.g. if a pupil needs further practice at half hour level new worksheets can be created at that level.
- Up to 6 random sheets can be created at a time using Multipage – green button.
- Teacher can decide to leave in or omit minute gradations.
- When in Print Preview the option to save as pdf is available allowing the teacher to save and print again later.
- Very colourful, well presented worksheets.

In relation to customising resources two other websites are very important also: The Teacher's Corner and Maths-Aids. We have videos to show how you can create and customise worksheets for pupils with SEN on our website – just follow [this link](#):

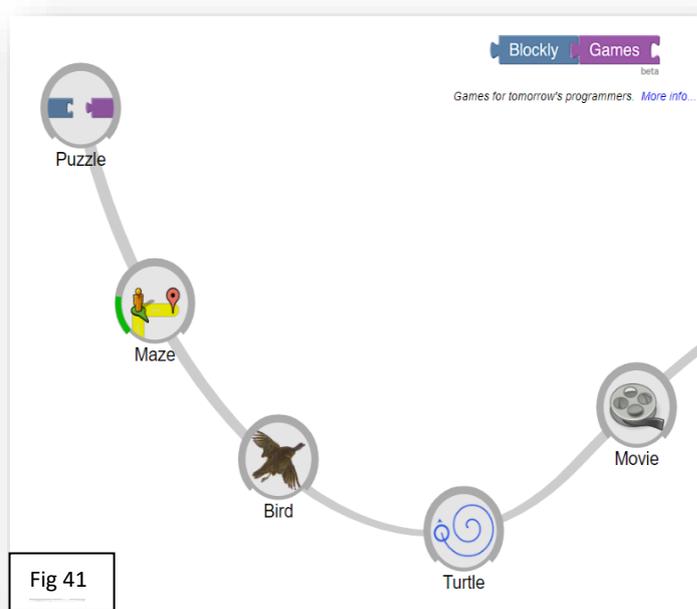


Now: back to SEN Teacher and the topic of Money:

- Worksheets for MONEY can be set at any level starting from 1c and 2c coins.
- The default currency is sterling but this can be  changed under Coins – blue button.
- Clicking off the €1 button and leaving only 1c and 2c coins ticked ensures worksheets are at basic level.
- The number of coins in each question can be reduced by changing level (see Fig 40)
- Reducing level, if necessary, keeps the calculation inside the child's Zone of Proximal Development.
- Again, randomise, multipage and saving as pdf are all available as before.



*Activity 4 - Can you create, and save as pdfs, four worksheets using SENteacher.org specifically designed for a child in your care. Please add these to your Google Slideshow, explaining (with screengrabs where appropriate) how you intend to use these in the coming school year.*

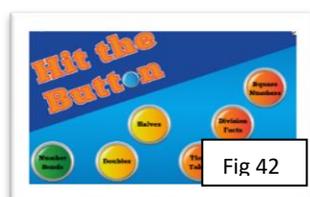


Sometimes, pupils with SEN (e.g. pupils with Asperger's) are very capable and possibly strong visual learners. They need to be challenged. Consider Blockly for this purpose at senior primary and secondary SEN.

Of particular importance are the challenges in Puzzle and Maze – note the green strip on Maze – this shows some levels have been completed.

Blockly (Fig 41) leads pupils to programming in general and Scratch in particular.

pupils with SEN. Again, like Scratch, there are numerous tutorials but code.org also has scaled introduction of tools and concepts – to encourage the pupil to continue exploring.



This picture (Fig 42) is taken from one of the many TopMarks games available for use with SEN pupils – they are all tablet friendly. Topmarks is an amazing website to afford pupils with SEN the opportunity to

The screenshot shows the Topmarks website interface. On the left, there are navigation buttons for 'Maths' (with a rabbit holding a calculator) and 'English' (with a rabbit reading a book). Below these is the text 'Many areas and age groups to choose from'. The main content area has a 'Choose a Category:' section with buttons for 'Counting', 'Ordering and Sequencing', 'Addition', 'Measures', 'Money', 'Shape, Position and Movement', and 'Data Handling'. The 'Counting' button is highlighted. Below this is a 'Counting Games' section with a description: 'Learning to count is fun with this range of counting games. Start with the simple counting games and progress to counting a maximum of 15 objects. The games include matching and sequencing numbers activities and are suitable for Early Years Foundation Stage children.' Two game cards are shown: 'Teddy Numbers' and 'Underwater Counting'. The 'Teddy Numbers' card features a teddy bear and a 'Select Game:' menu with options: 'Numbers up to 5', 'Numbers up to 10', 'Numbers up to 15', 'Words up to 5', 'Words up to 10', and 'Words up to 15'. The 'Underwater Counting' card shows a question 'How many whales are there?' with a '6 / 6' score and a question mark icon.

Fig 43

revisit and practice maths concepts in a fun and engaging way – much more links and full evaluation on our website – follow [this link](#) to view the slideshow

There are many excellent games for all ages and abilities available on Topmarks. They are fun, interactive, engaging and totally free (Fig. 43)

*Activity 5 – Select a Maths website for inclusion on your Google Slideshow. This must be a numeracy website that you have used (or will use) with a pupil with SEN. Provide reasons for selecting this website, screenshots from the site and evidence of following the criteria (Page 4 of these notes) to determine a useful, well-thought out website. 4 Slides with screengrabs.*

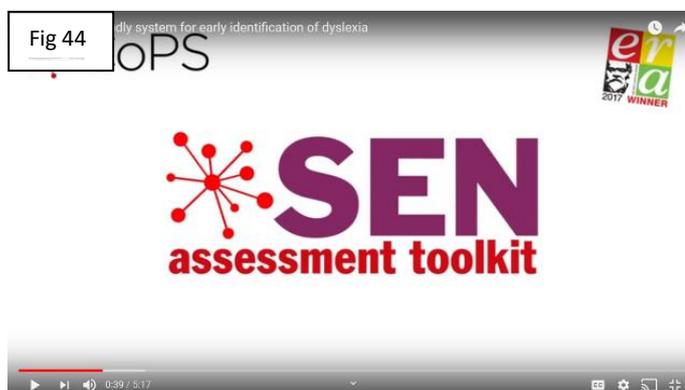
**LEARNING LOG – DAY 2**

### Day 3 – Literacy and Numeracy Assessment and ICTs.

Assessment Tests - Literacy and Numeracy – all links also on SEN website page.

Assessing where a pupil is at currently is crucial in order to ensure objectives/targets in IEP are focussed on the pupil's needs at that time. ICT can help. There follows a list of links to tests (both ICT and non-ICT) to assist with detection of difficulties in literacy and numeracy and some also provide clear direction for moving forward i.e. real assessment for learning.

[Lucid Cops](#) - A child friendly assessment kit to identify learning strengths and weaknesses, assist with early detection of dyslexia and provides cognitive profiling for ages 4-8. It is available from Edtech but is expensive and has a recurring fee.



[Lucid Lass](#) - Similar program with age appropriate assessment tests for ages 8-11. Also available from Edtech.

[Schonell Reading Test](#) - simple but effective standardised reading test that can be administered and scored in 15 minutes. Wordlist available for free download (Word format) from Seomra Ranga - and instructions and scoring sheet and reading ages are available [here](#).

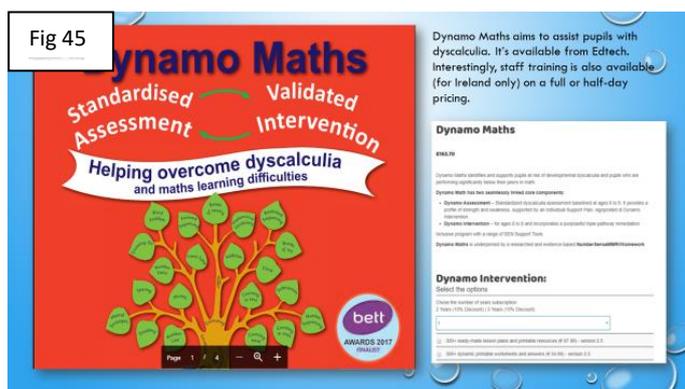
[Schonell Spelling Test](#) - Download - Free Spelling Test - not diagnostic but quick to administer and provides a spelling age for pupil. Can also be administered to a group at the same time. Download has test, instructions, scoring and resultant spelling ages. It also has pupil sheet for test completion.

[Vocabulary Spelling City](#) - some free games, most require payment. Ideal to encourage learning of Dolch words etc.

[PhAB Test](#) - test for phonological awareness. This leaflet gives details of cost and aims of test.

[Lexia Learning](#) - graded reading scheme for children having difficulties with reading - expensive but effective.

[Dynamo Maths](#) – This is no longer free but could be useful as it is designed to assist with detection of dyscalculia, delivers individual support plan.



[11 Plus - Free Graded Maths Assessment Tests](#) - from English system, great guide for teachers new to Learning Support and provides accurate data ideal for planning individualised learning targets based on solid evidence.

[Khan Academy](#) - Free graded Maths program for all pupils, individual targets, comprehensive reports, ideal for revision in school for all learners to progress at their own pace. Also ideal for home.

Planet Maths Assessment Tests – Super free Irish Maths assessment tests from Folens, all in pdf and all containing a test per term– [6<sup>th</sup> Class](#), [5<sup>th</sup> Class](#), [4<sup>th</sup> Class](#), [3<sup>rd</sup> Class](#), & [2<sup>nd</sup> Class](#).

Finally, though Micra-T & Sigma-T and Drumcondra Reading & Numeracy tests are mainly used for AOL – assessment of learning, there is no reason why they can't be used for AFL, particularly with mainstream pupils. Pupils with SEN find these standardised tests, by and large, very difficult.

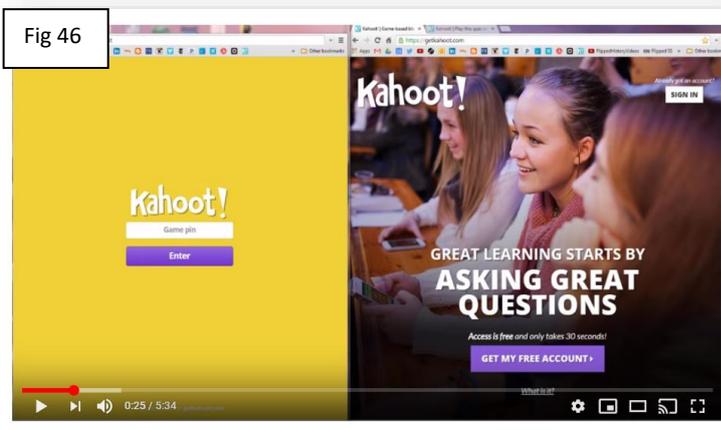
*Activity 6 – Select and review one of the Assessment Tests mentioned or one of your own that you have used regularly in the past (ICT or non-ICT). Your response should involve 3 slides added to your slideshow, with appropriate screen shots.*

- Determine what exactly it is meant to assess.
- Determine if you think (or you know – if test used in the past) the test was/would be effective?
- Why do you say this, what criteria are you using?
- Does the Assessment Test give you clear direction of where to start and what you need to do next?

## Other Assessment Tools

### 1. Kahoot

Kahoot is a very powerful free online program that allows the user to create quizzes that make revision fun – revision being crucial for all pupils but particularly for pupils with SEN. Pupils, as shown on the left side of Fig 46 can insert a game pin on [kahoot.it](http://kahoot.it) in order to participate in a quiz created



by the teacher using the [create kahoot](#) website, for which you must register in order to make quizzes. Fig 46 provides a link to the YouTube video which explains Kahoot and shows how a quiz can be made. What pupils (and adults) really engage with is the competitive element – the quicker you click on the correct answer to each question the more points you receive. Numerous pre-made kahoots, on every topic, available.

## 2. Socrative

Particularly good for teams, as a team quiz is represented by different colour rockets – ideal for inclusion of SEN pupils as they can be entered as part of the team – this also applies to Kahoot in team mode. Both introduce a fun, colourful aspect to learning, adding variety to presentations, which makes them very useful for the SEN teacher.



## 3. Mentimeter

Ideal for quick survey, can create in seconds, basic version is free and it has enough for primary teachers. Can see the results of surveys in real time. The surveys are very visual and colourful.

### Activity 7

*In groups of 2 or 3, create a Kahoot on a topic of your choice researched on DK Find Out or Newsela (aimed at pupils in 6<sup>th</sup> Class with reading difficulties) and prepare a 5 question quiz, each question accompanied by a suitable image. The quizzes will be run during the final presentations.*

### LEARNING LOG – DAY 3

### NOTES – DAY 3

### Day 4 – Using Tablet Devices with pupils with SEN.

Using Read and Write with Google Docs on iPad.

As mentioned previously, Read and Write is a super add-on to encourage independent writing on the iPad. The features allow predictive typing, voice to text, direct to Google Docs and much more. Setup video is available by clicking on the picture or [here](#) and you will be guided by the setup wizard (Fig 48).

As mentioned on the video when you arrive at this screen (Fig 49) in the setup it is important to know that you need to link the R&W keyboard with your documents. Note in Fig 50 the linkup is made so the

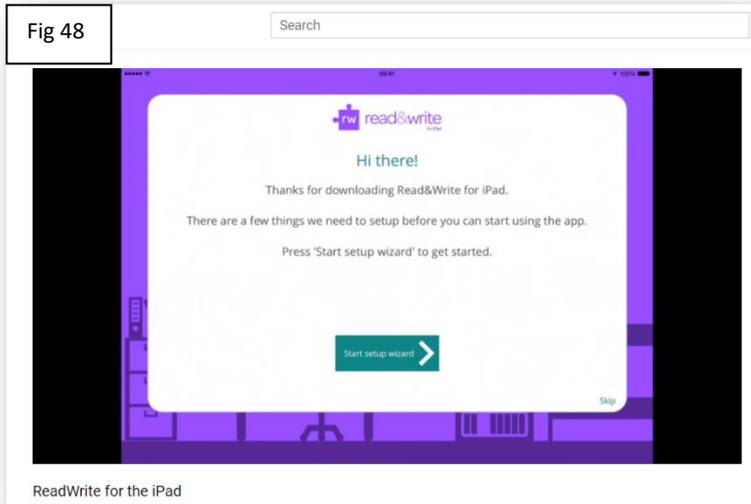


Fig 48

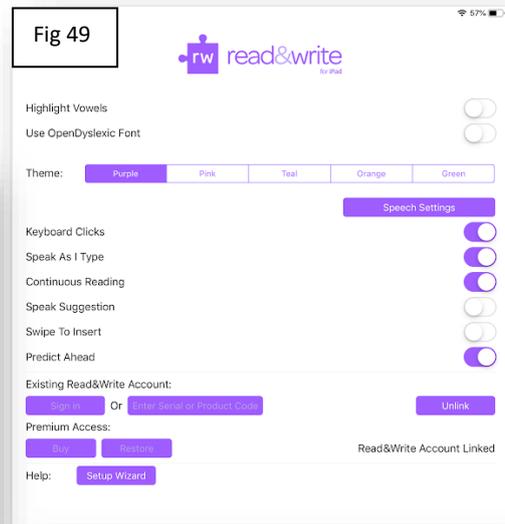


Fig 49

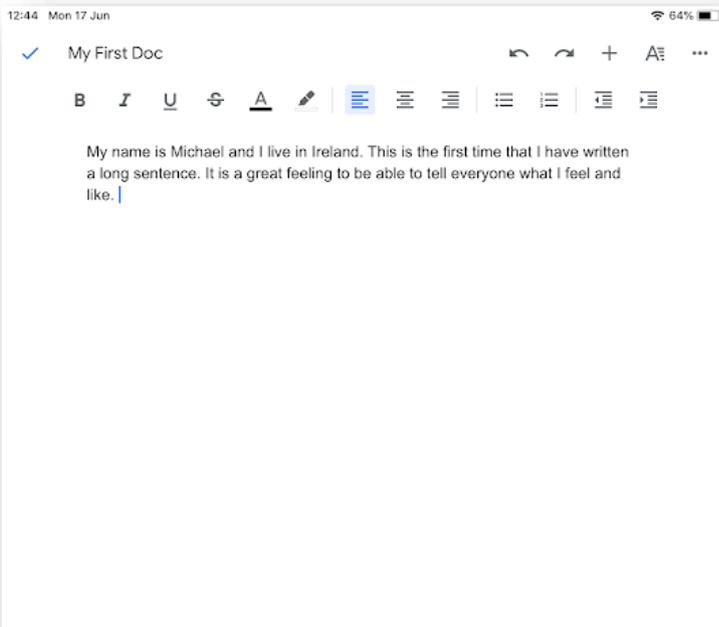


Fig 50

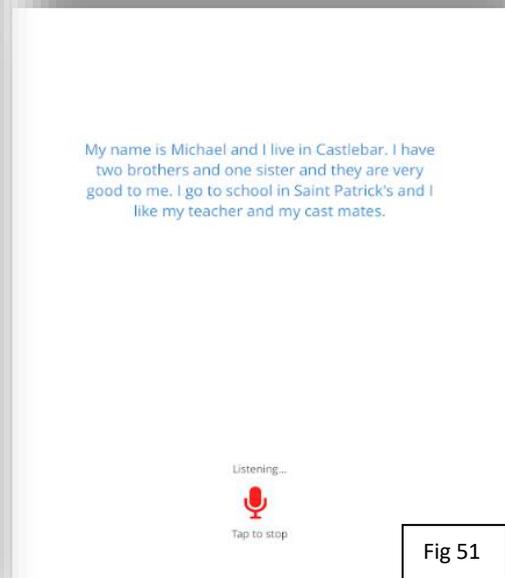


Fig 51

keyboard now has a purple predictive text bar on top. As you follow the steps on the video you will need to connect a Google account (or continue with 30 day trial) in order to get full use from R&W. In Fig 51 speech to text is in action and this will transfer to Google Docs directly when finished recording. Then you can edit the document.

*Activity 8: Download and install Read & Write app. Create a document in Google Docs app using R & W toolbar. Research a country of your choice from DK FindOut. Record ten sentences about that country. Take a screengrab at this point of the recorded, unedited text from voice and add to your slideshow to show how accurate (or otherwise) you were with voice to text. Add to Google Docs and edit. Add in three pics of your country from Google. Save final document and screengrab finished product. You should have 2 extra slides to add to your slideshow.*

### Other Apps of Interest for iPad

- [Reading Eggs](#) – colourful, fun, interactive engaging games, cost per year per SEN child. Includes a placement test to determine child's reading level and much more.
- [Book Creator](#) – excellent free app allows pupils to create their own books. Now includes Google's Autodraw on the PC version.



- [Teach Your Monster to Read](#) – app costs around €5. Can be used on a whole class level on the interactive whiteboard, in the computer room with children working independently or as part of literacy stations where children use the app for 15-20 minutes before moving to a new station.

The game can be used with children who are in the first stages of learning to read or with older children who need more practise. 3 levels – First Steps, Fun with Words, Champion Reader



- [Readtheory.org](#) - Free website based on reading comprehension. Teacher provides accounts for each pupil and can monitor their performance. Pre-test determines reading level. It will tell you who is performing at, above or below their average.

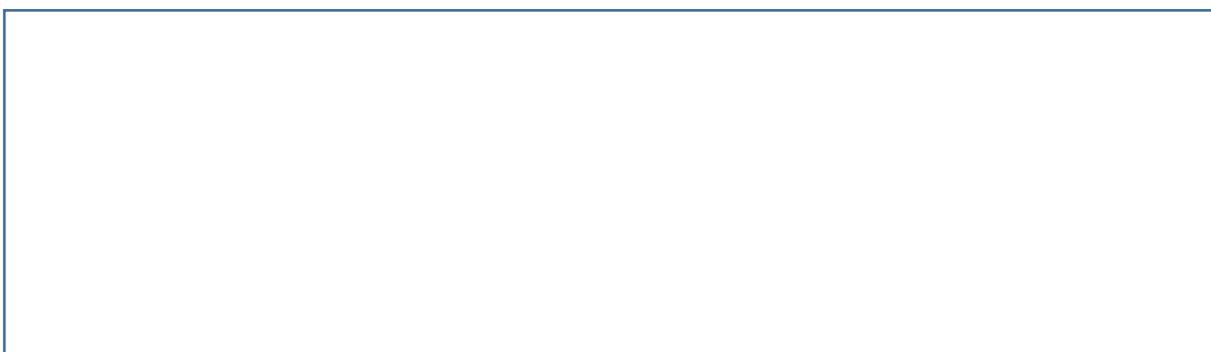
- More iPad apps can be sourced on course webpage: [www.akwebdesign.ie/sen](http://www.akwebdesign.ie/sen)



LEARNING LOG – DAY 4



NOTES – DAY 4



## Day 5

### Getting Started with See-Saw for pupils with SEN.

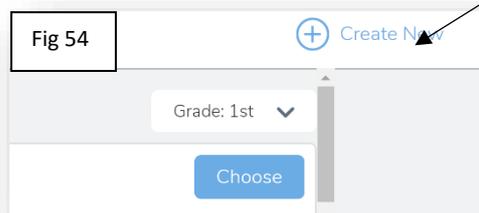
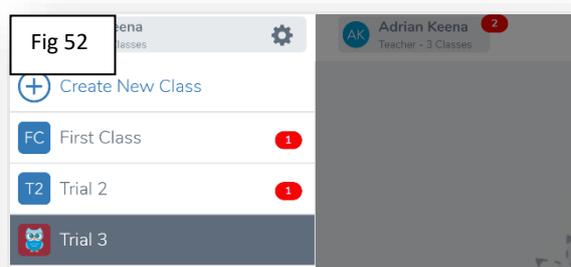
See-saw is a cloud-based web portfolio which can be accessed from any device. It is ideal on the iPad or other tablet device. As it is very child-friendly and easy to use it is especially effective to use with pupils with SEN as they can record and share their work easily.

As one pupil describes it – it is like Facebook for kids as you see the posts of everyone in the group – the posts being their responses to activities assigned and they can then like and comment on these just like on Facebook.

### Setting Up a Class

In order to log in as a teacher you must first sign up for SeeSaw.

1. Once you have logged in correctly for the first time, on one device, it will remember your username and password, making login simpler on that device.
2. You can set up a new class by clicking on your name – create new class – Fig 52.
3. You can then add pupils and assign avatars to their names (Fig 53) and the class name – top right – wrench symbol
4. Journal is selected – so clicking on the green + button allows us to add a share activity, add journal entry (Fig 54) or send an announcement.
5. Clicking on Share Activity (Fig 55) allows us to view and share created activities and to create a new one – again clicking on + symbol.



6. By clicking on the green + button, at any time, a dropdown menu appears allowing you to:
  - (a) Browse the Activity Library, with loads of prepared activities.
  - (b) Create an activity of your own.
  - (c) Post to Student Journal – commenting on work completed or assigning new work.
  - (d) Send an announcement to all members of the class.

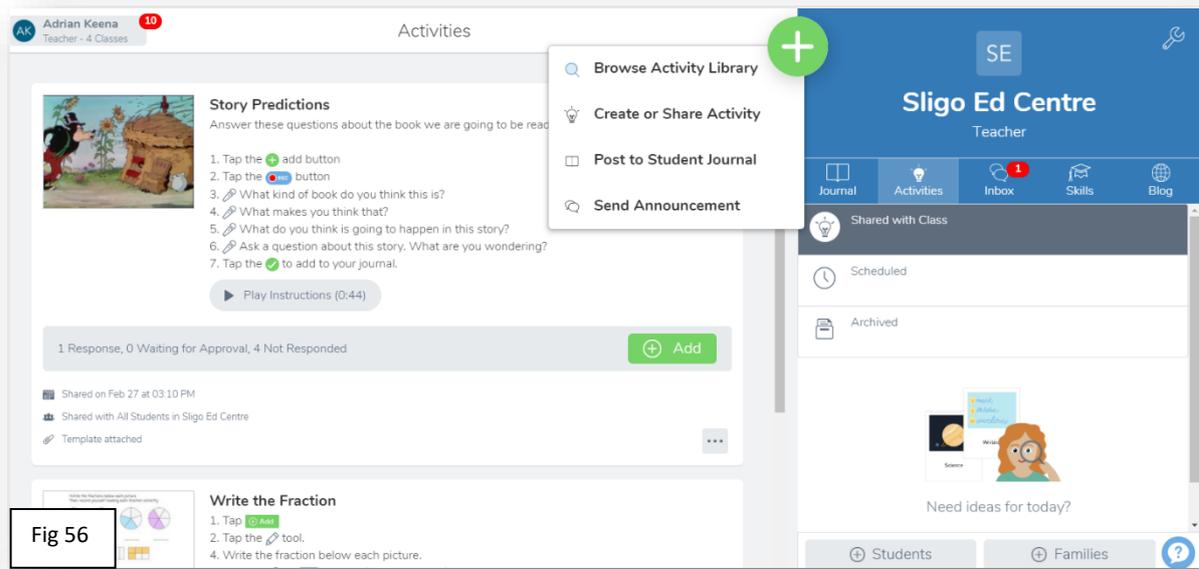


Fig 56

1. The first option (a) is Seesaw Activity Library (Fig 56) – activities prepared by teachers for teachers. Can be searched by topic or class level (at the bottom). When an activity is shared with a class, each member of the class is expected to read (or listen to) the instructions and complete the activity. Then the teacher can add a comment or others can like it (if this is not switched off).
2. Next option (b) allows the teacher to Create (from scratch) or Share an Activity already saved. There is a full list here of the activities already used by the teacher.

**ACTIVITY 1 – Respond to assignment set: “Give Thanks with Your Name” (Fig 57) Post your response selecting your name from the class list.**



Fig 57

**ACTIVITY 2 – Using video – respond to “Share Your Thinking” – Fig 58.**

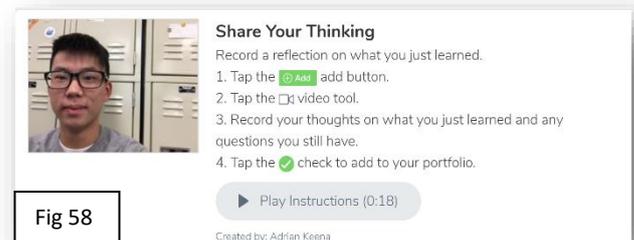


Fig 58

**ACTIVITY 3 – Create an activity – Sell This Rock to Me (Fig 59) – Add instructions in written format and recorded format. Create a sample drawing with a label added and upload the activity. Share it with the pupils in your class for them to complete. When “pupils” have responded to your activity – comment and approve their work. Invite your other “pupils” to comment and like the work of the other pupils as they appear on the Journal page. Save three screenshots and add them to your slideshow.**



Module 10 – Presentations and Kahoots presented.

LEARNING LOG – DAY 5