



Work Pack 9: Ourselves - Science

These resources have been created by Shirley Austin.

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How to find the files

Writing with Symbols 2000

WWS Files will be installed into your WWS2000Work folder:

- The PDF Files are in a folder called Activity PDF
- The Worksheet files for printing are in a folder called Activities inside the Writing folder. To open these, Open WWS, Click on the Symbol processor button, and then use the file menu to open the files from the Writing folder.
- The Wizard environments are in the Wizard Environments folder, inside one of the folders: NT2000, Hi-res or Lo-res.

Communicate: In print

The Communicate: In print files are installed to the Communicate Files folder.

- The printable activities are in a folder called SIP Activities
- The PDF Files are in a folder called SIP PDF

If you are not able to read PDF files you can download a free PDF Reader from

<http://www.adobe.com/products/acrobat/readermain.html>

Paper based activities, ready to print

1. Comparison Worksheet

- **Communicate: In Print file name – Compare.cip**
- **WWS file name – 01-01-Compare number arms.wid**
Chart to fill in. Me and my friend numbers of arms, legs, eyes etc.

2. Senses Worksheets

- **Communicate: In Print file name – senses grid.cip**
- **WWS file names - 02-01-Things I like to feel.wid, 02-02-Things I like to see.wid, 02-03-Things I like to hear.wid, 02-04-Things I like to smell.wid, 02-05-Things I like to taste.wid**

3x3 grid to draw / stick pictures in.

- **Communicate: In Print file name – senses booklet.cip**
- **WWS file names - 02-06-Things I like p1+4.wid, 02-07-Things I like p2+3.wid**
2 A4 pages to print out and fold into a 4 page booklet. Child to write in name and draw, write or stick things they like to do – 1 for each of the 5 senses.
- **Communicate: In Print file name – Senses questions.cip p2-3**
- **02-08-Can you yes or no.wid**
Sentences to think about and tick yes or no. eg Can you hear the moon?



- **Communicate: In Print file name - Senses questions.cip p1**
- **WWS file names - 02-09-Cloze 5 senses.wid**
Stick in or write in the missing sense from the sentence.

3. Animals Worksheets

- **Communicate: In Print file name – Animals not.cip** (*whole set*)
- **WWS file names - 03-01-Animals-not.wid**
2 large boxes to stick in pictures from following sheet or allow children to draw their own.
- **WWS file names - 03-02-Animals-not pictures.wid**
24 pictures to go with grid above. Includes snail, teddy etc.

4. Mind maps

- **Communicate: In Print file name – Mindmaps.cip** (*whole set*)
- **WWS file names - 04-01-baby mind map.wid , 04-02-toddler mind map.wid, 04-03-boy or girl mind map.wid, 04-04-lady mind map.wid, 04-05-man mind map.wid, 04-06-old man mind map.wid, 04-07-old lady mind map.wid, 04-08-Ideas for mind map.wid**
Mind map grids as per title. Use ideas sheet to stimulate discussion if necessary. Could draw on mind map or stick on pictures from ideas sheet.
Content similar to environment.

5. Booklet

- **Communicate: In Print file name – taller shorter.cip** (*whole set*)
- **WWS file names - 05-01-My Class Height p1+4.wid, 05-02-My Class Height p2+3.wid**
A book about the number of people in a child's class and how many people are taller or shorter than the child.
Use sheet below to gather information for the book.
- **WWS file names - 05-03-Taller shorter chart.wid**
Gather information about people in the class who are taller shorter than a particular child.

6. Comparison Charts

- **Communicate: In Print file name – Comparison charts.cip** (*whole set*)
- **WWS file names - 06-01-Bar chart eye-BW.wid** (*for black and white printers*)
06-02-Bar chart eye-COL.wid (*for colour printers*)
Whole class comparison
columns to colour in for blue, green brown eyes and 'other'
- **06-03-Bar chart hair-BW.wid** or **06-04-Bar chart hair-COL.wid**
Whole class comparison
4 columns to colour in for dark, fair, ginger hair
- **06-05-Compare hair eyes.wid**
Me and my friend, 2 column grid to compare hair colour, eye colour and height.

7. Collecting Data

- **Communicate: In Print file name – Collecting data.cip** (*whole set*)
Collect data for eye colour, hair colour and hair types.
Mark the sheets with tally marks.
Separate sheets marked for boys and girls. Use this data in the next activity (8)



- **WWS file names - 07-01-Collecting data eye-COL.wid, 07-02-Collecting data eye-BW.wid**

Grid - cells with eye colour. Put tally mark for each person with that eye colour. Could do a separate grid for boys and girls or write B, G instead of tally mark.

- **WWS file names - 07-03-Collecting data hair-COL.wid, 07-04-Collecting data hair-BW.wid**

Grid - cells with hair colour. Put tally mark for each person with that hair colour.

WWS files: could do a separate grid for boys and girls or write B, G instead of tally mark.

- **WWS file names - 07-05-Collecting data hair type.wid**

Grid - cells with hair type – long/short, straight curly

Put tally mark for each person with that hair type.

WWS: could do a separate grid for boys and girls or write B, G instead of tally mark.

8. Interpreting Data

- **Communicate: In Print file name – Interpreting data.cip (whole set)**

- **WWS file names - 08-01-Interp-eye-BW.wid, 08-02-Interp-eye-COL.wid**

Sentences - fill in numbers. ____ boys/girls have eyes

- **WWS file names 08-03-Interp-hair-BW.wid, 08-04-Interp-hair-COL.wid**

Sentences - fill in numbers. ____ boys/girls have Hair

- **WWS file names 08-05-Interp-hair type-b-g.wid**

Sentences - fill in numbers. ____ boys/girls have Hair

- **0 WWS file names 8-06-Interp-hair type-people.wid**

Sentences - fill in numbers. ____ people in class have colour/length/curly/straight hair

- **WWS file names 08-07-Interp-hair type or col-people-BW.wid, 08-08-Interp-hair type or col-people-COL.wid**

7 sentences eg Most people have short hair. Circle the sentences which are true.

- **WWS file names 08-09-Interp-hair type-most b or g-BW.wid, 08-10-Interp-hair type-most b or g-COL.wid**

Sentences with blanks to fill in. Most boys/girls have ...hair. Write boys/girls.

- **WWS file names 08-11-Interp-hair type-most people-BW.wid, 08-12-Interp-hair type-most people-COL.wid**

Sentences with blanks to fill in. Most people have ...hair.

9. Animal Observations

- **Communicate: In Print file name - animal observation.cip**

- **WWS file names - 09-01-Animals Can Swim.wid, 09-02-Animals Can Jump.wid, 09-03-Animals Can Hop.wid, 09-04-Animals can fly.wid, 09-05-Animals Can Walk.wid**

These animals can... Title the blank grid. Either cut and stick or draw or write in the grid all the animals which can swim.

- **Communicate: In Print file name – legs and wings.cip**

- **WWS file names 09-06-Animals wings and legs.wid**

Grid with 8 animals (as environment)

Tick or cross if they have wings and or legs. Could write in number of wings or legs instead.

- **Communicate: In Print file name - draw animal.cip**

- **WWS file names 09-07-Draw an animal game 1.wid, 09-08-Draw an animal game 2.wid, 09-09-Draw an animal game 3.wid**

Cards to laminate and cut up.



*Put into three piles; animal names / wings / legs.
Pick a card from each pile and draw the result. Could add up the total of wings and legs on each animal. The winner is the first to reach 30.*

10. Growing Worksheets

- **Communicate: In Print file name – growing.cip** (sheets 1-4)
- **WWS file names - 10-01-Draw do not grow.wid**
3x3 grid to draw/write/stick pictures of things which do not grow.
- **WWS file names - 10-02-Draw grow.wid**
3x3 grid to draw/write/stick pictures of things which grow
- **WWS file names - 10-03-Grow do not grow.wid**
2 columns with headings for sorting pictures or drawing things which do or do not grow.
- **WWS file names - 10-04-Objects for grow do not.wid**
12 objects which could be used for the grid above or pictures from magazines could be used.

- **Communicate: In Print file name – Order by age.cip**
- **WWS file names - 10-05-People to order by age.wid**
Symbols from baby to old man to cut out and order. Or use pictures or photographs.

11. Alive Worksheets

- **Communicate file name - Alive not alive 1.cip** (3 sheets)
- **WWS file names – 11-01-Alive or not alive.wid**
Grid headings as above.
10 objects to cut and stick or draw or write in appropriate column. Could use as assessment before teaching or after.
- **WWS file names – 11-02-Alive mind map.wid**
Draw things which are alive.

- **Communicate file name - Alive not alive 2.cip** (5 sheets)
- **WWS file names – 11-03-Not Alive mindmap.wid**
Draw things which are not alive.
- **WWS file names – 11-04-Checklist for alive not.wid**
Grid with objects and columns to tick for feed, move, use senses.
Use this for children to decide whether things are alive or not. Use next three below if it is too hard set out this way.
- **WWS file names – 11-05-Criteria for alive.wid**
Feed, move, use senses – large
Laminate and use this for those unable to use the grid above. Consider each object in turn and tick each of the criteria. Or cut up the criteria and place each one that is true next to the object. If all are used then it must be alive. (objects next)
- **WWS file names – 11-06-Criteria alive.wid**
Objects same as alive not alive to sort.
Cut up into cards.
- **WWS file names – 11-07-Headings alive-not alive.wid**
5,6 & 7 go together to make 1 exercise.



12. Eat Worksheets

- **Communicate file name - Eat.cip**
- **WWS file names – 12-01-What do they eat cloze.wid**
Sentences to complete cats, cows, rabbits, people, birds eat...
Choose food from selection at top of page to write draw or cut and paste.
- **Communicate file name - Eat chart.cip**
- **12-02-What do they eat grid.wid**
Five columns draw in what the animals eat. Same animals as above.

WWS Environments to do on screen

13. Ourselves: WWS Wizard Environments

- **I can sense**
I can feel etc. 1 for each sense.
Make sentences.
- **I like senses**
My name is... I like to... 5 senses and 10 objects that can be heard, touched, tasted etc.
- **Can you (as 02-06/02-07)**
6 sentences same as worksheet.
yes or no
- **Senses sentence (as 02-08)**
I can
5 senses
phrases - same words as worksheet
- **Animals or not (as 03-01/03-02)**
These are animals / these are not animals
24 pictures same as worksheet to categorise.
- **People grow**
7 stages of growth
can/ cannot
Actions eg drink from a bottle, grow, walk talk
Use to make sentences about what people can do at different stages in their lives.
- **Height (as 05-01/05-03)**
With phrases to make up sentences about number of people in class and how many are taller shorter than a particular child. As worksheets. Could use tally sheet to gather information if appropriate.
- **Me and my friend (as 06-05)**
This is me / my friend. I have / he / she has. Eyes and hair.
Eye colour and Hair colour and type.
- **My hair etc. (as 07)**
My name is
My friend's name is
Eye colour, hair colour, hair type
- **Animal movement (as 09-01)**
Animals
Types of movement – fly walk run etc.
Make up sentences about each animal.
Could make up silly sentences and draw the result.
- **Animal Limbs (as 09-06)**
8 animals
numbers + wings + legs



The Symbols Inclusion Project is a collaboration between Widgit Software and Warwickshire DISCS on the use of symbols to support inclusion and curriculum access.
Widgit Software Ltd. 124 Cambridge Science Park, Milton Road, Cambridge. CB4 0ZS
Tel: 01223 425558 Fax: 01223 425349 Email: info@widgit.com Web: <http://www.widgit.com/>

Make up sentences about the number of wings and legs animals have. Again could make up silly sentences.

- **Legs true or false**

Statements to mark true or false

- **Animal legs**

number of legs

- **Does grow (as 10-01)**

7 questions

Click on yes or no.

- **Order of Age (as 10-05)**

Symbols same as worksheet to put into age order

- **Alive not alive (as 11-01)**

alive / not alive

10 objects as worksheet. Sort objects into categories.

- **What do they eat? (as 12-01)**

Make sentences

What do they eat?

5 animals as worksheet

choice of foods as worksheet.