

Hygiene

On

Open

Farms



Education Pack

Introduction

The number of school visits to Welsh farms increases each year. Unfortunately, this has led to a similar rise in the level of bacterial infections such as E. coli and Cryptosporidium being picked up by children on these days out.

This pack aids the teaching of the concept of disease and disease prevention through effective hand washing. The activities within have all been linked to relevant sections of the National Curriculum in Wales at Key Stage 1 and 2, as well as to the relevant Key Skills sections.

The main aim of the pack is the teaching of an effective technique for hand washing after being present on a farm yard. However other issues, such as segregation of lunchboxes from the farm area for example, are also covered.

Why teach hand washing?

Research has shown that proper hand washing prevents the transmission of disease forming bacteria. As children of primary school age are particularly at risk from the contracting and transmitting of enteric infections effective hand washing needs to be taught from an early age and re-enforced regularly.

Other issues.

As children have initially a limited understanding of hygiene practices, have a high degree of close contact with each other and sometimes share facilities and food with each other, hand washing alone will not ensure a child will not pick up an infection.

By undertaking a number of simple activities (segregation of food and eating utensils from the farm area), the risk of transmission of enteric infections becomes lessened.

Activities

The following are a selection of activities that are aimed at helping to teach effective hand washing methods and give ideas of other steps that everyone can take to minimise the chance of an infection.

Activities

The activities listed here have been adapted from the Stockport Metropolitan Borough Council publication 'Hands Up for Hygiene'. The activities themselves have changed very little.

The work undertaken in this document has been to pick suitable lessons for the effective teaching of hand washing to pupils of Primary school, and to place these lessons within the context of the National Curriculum in Wales at Key Stage 1 and 2. As part of the document, some focus is paid to Key Skills, and these have been listed where relevant.

These are not exhaustive or exclusive lesson for the teaching of hand washing and hygiene. The topic can be developed further by looking at modern sanitation methods, and comparing these to those found in Roman, Tudor / Stuart, or Victorian times.

Other supporting activities may well be considered or developed to work in conjunction or instead of parts of this document. The important aspect of this is that the pupil is taught **why-when-how**;

Why – why it is important to prevent disease by hand washing

When – when it is the correct time to wash hands

How – how to correctly wash their hands.

Activity One (a)

Hand Washing With Youngsters

Age Group – Reception to Year 2

Learning objective:- to explain the reasons for hand washing
to allow pupils to learn when and how to wash their hands

Learning activity:- i) discuss with children when we wash our hands (after going to the toilet, before eating food, when they are dirty, etc.) and briefly why (germs make us ill).

(soap, ii) discuss what items they will need to wash their hands warm water, towel)

iii) demonstrate how you wash your hands using hand washing poster to help you (Information Sheet 1). Do all this to the following song (to the tune of 'Row, row, row your boat');

Wash, wash, wash your hands,
Play our handy game,
Rub and scrub, scrub and rub,
Germs go down the drain, hey!

Repeat

song, If pupils have washed their hands for the duration of the their hands should be clean.

Resources:- Information Sheet 1, laminated and posted above the sinks.

Sinks and plugs, soap, warm water, towels

Assessment:- hands a) knowledge of why and when we wash our

b) practical demonstration of hand washing

NC ref:- understanding English – Oracy 1.3 = listen carefully and show

and Science – Life Processes and Living Things 2 = Humans

Other Animals

Key Skills Communication Skills
Personal and Social Education Skills

Activity One (b)

Hand Washing With Youngsters

Age Group – Year 3 to Year 6

Learning objective:- to explain the reasons for hand washing
to allow pupils to learn when and how to wash their hands

Learning activity:- i) briefly discuss with children when we wash our hands and why (more details about bacteria can be given – Information Sheet 2).
ii) discuss what items they will need to wash their hands (soap, warm water, towel)
iii) demonstrate how you wash your hands using hand washing poster to help you (Information Sheet 1).
iv) allow each pupil to demonstrate hand washing technique in class in 'private' over next few days

Resources:- Info 1 sheet, laminated and posted above the sinks.
Copy of Information Sheets 1 and 2 sheets for each pupil
Sinks and plugs, soap, warm water, towels

Assessment:- hands
a) knowledge of why and when we wash our hands
b) knowledge of some names of bacteria that can cause illnesses
c) practical demonstration of hand washing

NC ref:- Science – Scientific Enquiry 1.2 = consider information obtained from other sources
Science – Life Processes and Living Things 2.10 = things harmful to humans

Key Skills Communication Skills
Personal and Social Education Skills

Activity Two

Hand Washing Story Book

Age Group – Reception to Year 2

Learning objective:- to gain understanding of hand washing from oracy activities

Learning activity:- i) read a hand washing story book to class
ii) discuss importance of link between hand washing and germs to illnesses.
iii) share experiences of being ill and how they felt about it.

Resources:- Hand washing book (see list below)

Assessment:- a) knowledge of link between germs, hand washing and illnesses
b) attentive listening to story
c) involvement in discussions

NC ref:- English – Oracy = 1.1 – describing events
English – Oracy = 1.3 – listening carefully and show understanding
Science – Scientific Enquiry 1.2 = consider information obtained from other sources
Science – Life Processes and Living Things 2. = Humans and Other Animals

Key Skills Communication Skills
Personal and Social Education Skills

Hand Washing Books

Wash Your Hands – Tony Ross Kane & Miller (2000) ISBN 1929132018

Body Buddies Say.... Wash Your Hands – Leanne Wenkman Sunrise Publications (1999) ISBN 0967079004

Germs Make Me Sick – Melvin Berger Scott Foresman (1995) ISBN 0064451542

Your Skin and Mine – Paul Showers Harper Collins (1991) ISBN 006445102X

Germs on Their Fingers – Wendy Wakefield Ferrin The Wakefield Connection (2002) ISBN 0970363206

Oh, he Things You Can Do That Are Good For You – Tish Rabe Random House Books ISBN 0375810986

Activity Three

Germs Word Search

Age Group – Reception to Year 6

Learning objective:- to recognise familiar words on topic of hand washing

to re-enforce when, why and how of hand washing

Learning activity:- i) briefly recap work undertaken so far.
ii) read out paragraph from word search (Information Sheet 3), and then explain to pupils how a word search works and the words to look for.
iii) review at end to see if everyone has found the words

Resources:- 1 copy of Information Sheet 3 for each pupil

Assessment:- a) knowledge of topic to date
b) recognition of familiar words

NC ref (KS 1):- English – Reading = 2.2 – graphic knowledge
English – Writing = 2.3 – alphabetic nature of writing
English – Writing = 3.3 – develop interest in words
Science – Life Processes and Living Things 2. = Humans and Other Animals

NC ref (KS 2):- English – Reading = 2.1 and 2.3 – graphic knowledge
English – Writing = 2.6 - spelling
Science – Life Processes and Living Things 2. = Humans and Other Animals

Key Skills Communication Skills
Personal and Social Education Skills

Activity Four

Art Work

Age Group – Reception to Year 6

Learning objective:- to re-enforce when, why and how of hand washing
to produce art work to help with the understanding of the
topic

Learning activity:- i) briefly recap work undertaken so far.

ii) explain the work to be carried out.

Early Years

- a) use Information Sheet 4 to help pupils make pictures, models, etc of microbes
- b) design a poster to tell people to wash their hands

Juniors

- a) Design a poster with a hand washing message
- b) Use Information Sheet 2 to give examples of microbes and ask pupils to make similar 3D models

Resources:- 1 copy of Information Sheet 4 for each Early Years pupil
1 copy of Information Sheet 2 for each Junior pupil

Assessment:- a) knowledge of topic to date
b) art work produced

NC ref. (KS1):- Art – 2.1 = experiment with elements of art
Art – 2.2 = make objects
Science – Life Processes and Living Things 2. = Humans and Other Animals

NC ref. (KS2):- Art – 2.1 = experiment with elements of art
Art – 2.2 = make objects
Art – 2.3 = use knowledge experimentally
Science – Life Processes and Living Things 2. = Humans and Other Animals

Key Skills Communication Skills
Creative Skills
Personal and Social Education Skills

Activity Five

Preparation for Open Farm Visit

Age Group – Reception to Year 6

Learning objective:- to lay down the do's and don'ts for a visit to an open farm

Learning activity:-

- i) explanation of trip to farm (why you are going, etc.).
- ii) recap hygiene information and relate to experiences that could be had on farm (wash hands after touching animals, only eat in certain areas, only eat your food and no other food lying around, etc.)
- iii) discuss what you will and won't do on the farm
- iv) list rules on the board and have pupils produce drawings to help remember them.

Resources:- Hand washing video / DVD
HSE Information Sheer AIS23 Supplement (revised)

Assessment:-

- a) knowledge and understanding of topic to date
- b) art work produced
- c) adherence to rules during visit

NC ref. (KS1):- Art – 2.1 = experiment with elements of art
Art – 2.2 = make objects
Science – Life Processes and Living Things 2. = Humans and Other Animals

NC ref. (KS2):- Art – 2.1 = experiment with elements of art
Art – 2.2 = make objects
Art – 2.3 = use knowledge experimentally
Science – Life Processes and Living Things 2. = Humans and Other Animals

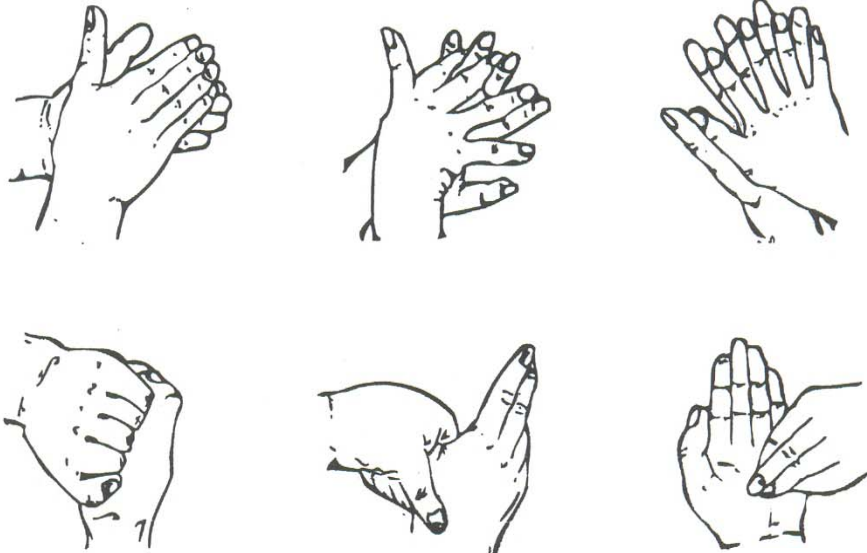
Key Skills

- Communication Skills
- Creative Skills
- Personal and Social Education Skills

Information Sheet 1

How to wash hands correctly

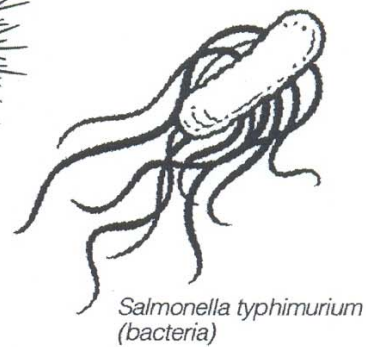
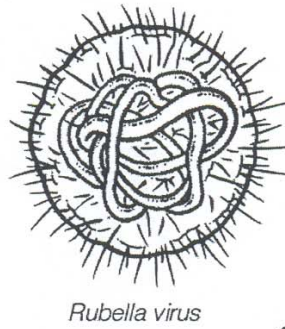
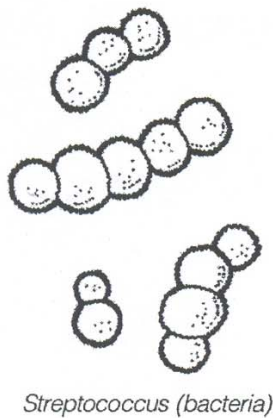
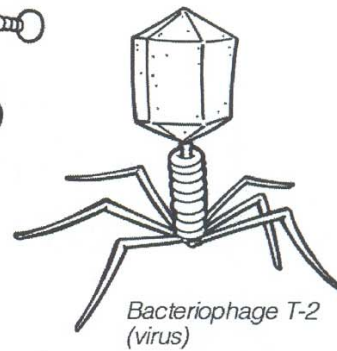
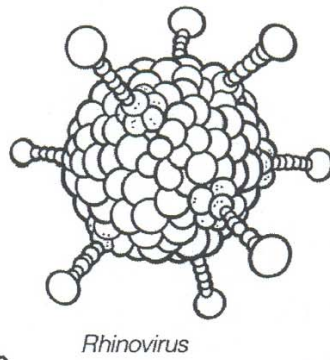
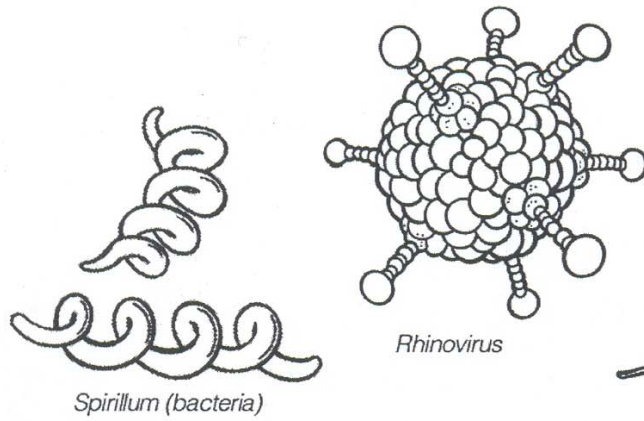
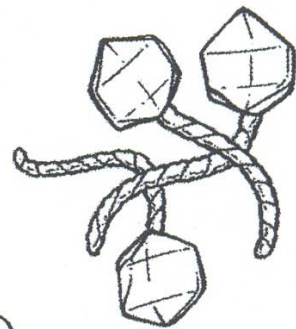
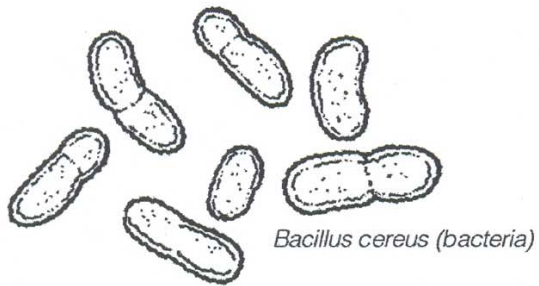
- Wet both hands
- Apply soap (liquid or bar)
- Rub hands together for at least 15 seconds and work up a good lather. Be sure to wash all surfaces -palms, backs and in between fingers



- Rinse hands well under a stream of warm water
- Dry hands with a paper towel, clean towel or under a hot air dryer
- Dispose of paper towel in bin

Information Sheet 2

Microbes



Information Sheet 3

Wordsearch

W A T E R G L P M L E K S I
S W P F O O D H K R S T S J
T D S L A P D R F F R O E U
O L T S G E R M S W Q Y A U
I H F J E Y I S T V X N W P
L D S Z P L A Y L R K S Q S
E X G I K S D E M U N Y R L
T M R W C Q L L S M I Z T E
B C F H A N D S V B S S A W
D S O X H S E Y F O A J L O
O T L D I R H Y A K G V L T

If you have been outside to **play** or if you have been to the **toilet** you will have **germs** on your hands. Your hands may not always look **dirty** because you cannot see the germs.

It is very important to **wash** your **hands** before you eat your **food** to stop you getting **sick**.

You should always wash your hands at the **sink** with **soap** and warm **water** and dry them carefully with a clean **towel**.

Information Sheet 4

Microbe characters

Consider using pasta shapes, paints and other art materials to create pictures or models of germ characters like the ones below.

