



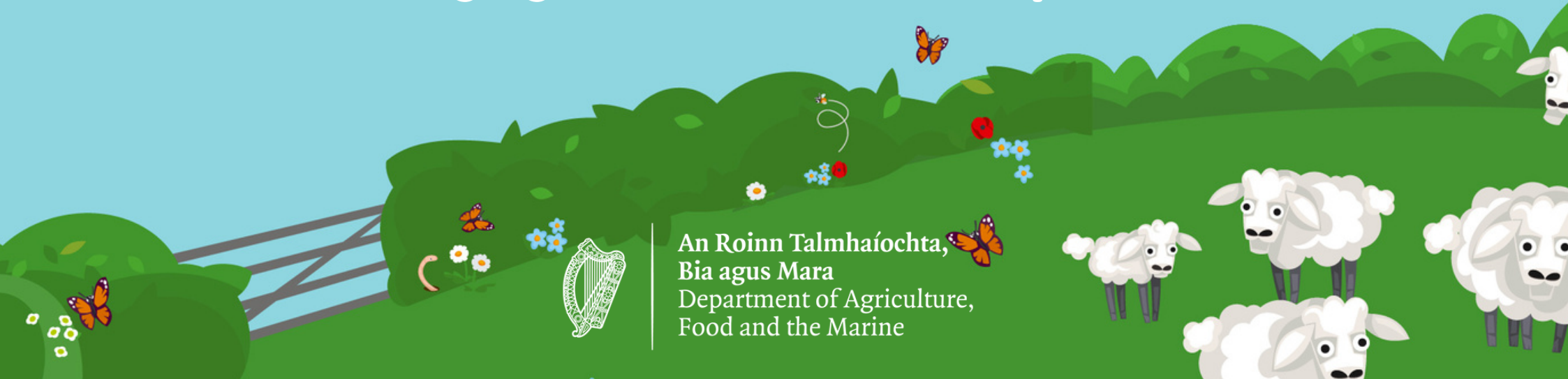
AgriKids Farm Safety Lessons

Junior and Senior Infants

Theme 2: Tractor & Machinery Safety

Engage, Educate & Empower

An Roinn Talmhaíochta,
Bia agus Mara
Department of Agriculture,
Food and the Marine



Learning Outcomes Theme 2

In this theme we introduce the children to the various types of farm machinery & vehicles that are commonly used on a farm and how the farmer must be responsible and safe when using them. Note: In older age groups we delve into more detail on quad bikes.

This topic covers:

- 1. What kind of machines do farmers use**
- 2. Where do they use them**
- 3. Where to be when a tractor you see – know the tractor blind spots**
- 4. Help the farmer stay safe with the ‘Tractor Rules’**

Theme 2

Tractor & Machinery Safety

Safety Signs:



Machinery

**Can you name different types of farm machinery
used on a farm?**



Theme 2

Tractor & Machinery Safety

Safety Signs:



Machinery

Do you know what each piece of machinery you
named does on the farm ?



Theme 2

Tractor & Machinery Safety

Safety Signs:



Machinery

Do you know where on the farm they may be used?



Theme 2

Tractor & Machinery Safety

Vehicles (some examples below)



These are driven
by the farmer.

Safety Signs:



Machinery (some examples below)



These are powered or
pulled by a tractor.

Theme 2

Tractor & Machinery Safety

Safety Signs:



Tractors



Tractors are used on farms to pull equipment such as ploughs, harrows, slurry agitators, etc..

Tractors are used in lots of locations around the farm.

Theme 2

Tractor & Machinery Safety

Safety Signs:



Combine Harvester



**It's job is to cut and
harvest grain and
cereal crops.**

Combines are used in the fields.

Theme 2

Tractor & Machinery Safety

Safety Signs:



Quad Bike



It is a 4 wheel motorised bike used to drive across fields. They are only suitable for passengers and safety equipment must be worn.

Quad bikes are used in lots of locations around the farm.

Theme 2

Tractor & Machinery Safety

Safety Signs:



Plough



**Digs up the earth
to loosen the soil
or before the
farmer sows the
next crop in their
field.**

Ploughs are used in the fields.

Theme 2

Tractor & Machinery Safety

Safety Signs:



Trailers



Normally pulled by a tractor and used to carry a variety of products around the farm, such as grain and food crops.

Trailers are used in lots of locations around the farm.

Theme 2

Tractor & Machinery Safety

Safety Signs:



Slurry Agitator



Normally powered by a tractor. A slurry agitator is used to mix (agitate) slurry which is kept in the slurry tank / pit.

Slurry agitators are used in the farmyard or where the slurry pit is.

Theme 2

Tractor & Machinery Safety

Safety Signs:



Slurry/Muck Spreader



Normally pulled
by a tractor.
Spreads slurry
across the
farmer's fields.

Slurry spreaders are used in the fields.

Theme 2

Tractor & Machinery Safety

Safety Signs:



Cultivator/tiller



Normally pulled by a tractor. Used after ploughing to break down the soil and prepare it for sowing seed.

Tillers are used in the fields.

Theme 2

Tractor & Machinery Safety

Safety Signs:



Topper



Used to keep fields
tidy by cutting
weeds and long
grasses, rushes, etc.

Toppers are used in the fields.

Theme 2

Tractor & Machinery Safety

Safety Signs:



Mowers



Cuts grass when making hay, silage, haylage. Can also be used to keep fields tidy

Mowers are used in the fields.

Theme 2

Tractor & Machinery Safety

Safety Signs:



Sprayers



**Sprays fertilisers
or pesticides on
crops to keep
them healthy**

Sprayers are used in the fields.

Theme 2

Tractor & Machinery Safety

Safety Signs:



Diet Feeder



A diet feeder weighs, mixes, and shares out animal feed. Mostly used for cattle feeding and in particular dairy cattle.

Diet feeders are used in the animal sheds.

Theme 2

Tractor & Machinery Safety

Safety Signs:



Hay Turner



When grass has been cut, the turner is used to turn the grass so it can dry in the sun and be baled for hay.

Hay turners are used in the fields.

Theme 2

Tractor & Machinery Safety

Safety Signs:



Baler



Used to bale hay
and straw. Bales
can be round,
small rectangle or
larger rectangle.

Balers are used in the fields.

Theme 2

Tractor & Machinery Safety

Safety Signs:



Sower



Used to sow crop
seeds such as
barley, oats and
wheat

Sowers are used in the fields.

Theme 2

Tractor & Machinery Safety

Safety Signs:



**How many brands of tractors
can you name?**



Theme 2

Tractor & Machinery Safety

Safety Signs:



**Let's name some brands
together**

John Deere
New Holland
Massey Ferguson
Deutz
McCormick
Fendt
Claas
Ford
Case
David Brown
Landini
Zetor
Fiat
Valtra
International

**Do you know any of
these tractor logos?**



MF



JD

Theme 2

Tractor & Machinery Safety

Safety Signs:



Tractor Safety – Know the Blind spots



Image taken from teagasc.ie

Visibility can be limited for farmers when sitting high up in tractors, combine harvesters, etc.

NEVER play near a moving tractor or any other type of farm machinery as you may not be visible.

Theme 2

Tractor & Machinery Safety

Safety Signs:



Look at the picture below and note where the blind spots are located.

FRONT



BEHIND:



The blind spots on a tractor are directly to the front, side and rear of the tractor.

Theme 2

Tractor & Machinery Safety

Safety Signs:



Why do you think people need to be careful around moving tractors and vehicles?



Can the farmer always see you when they are driving?

Theme 2

Tractor & Machinery Safety

Safety Signs:



The Tractor Rules

**Can you help the farmers remember
the tractor rules and stay safe
when using their tractors?**

Theme 2

Tractor & Machinery Safety

Safety Signs:



Are you old enough?

Under 7 Years: you are not permitted in Ireland to be a passenger in a tractor. (In the UK the minimum age is 13)

7+ years: The age you are permitted in Ireland to be a passenger in a tractor as long as there is a passenger seat and seat belt.

14 years: You may drive a tractor on the farm only and only after completing a safety training course.

16 years: You may drive a tractor on the road but only after you complete special training and acquire a license.

Theme 2

Tractor & Machinery Safety

Safety Signs:



What to wear in a vehicle?



Do you wear a
seat belt in the
car?

Farmers must wear the
seat belt when using
their farm vehicles.

The farmer sits in the cab of the tractor.

Theme 2

Tractor & Machinery Safety

Safety Signs:



Seatbelts



Tractors are very bouncy, so all drivers and passengers should wear a seat belt to keep them safe inside the tractor.

Passengers only allowed if they are 7+ & there is a seat & seat belt

Theme 2

Tractor & Machinery Safety

Safety Signs:



Tractor Safety Rules



The farmer should also wear a hi vis vest so he/she can be seen while getting in and out of the tractor.



Irish Rural Link
Nasc Tuaithe na hÉireann



An Roinn Talmhaíochta,
Bia agus Mara
Department of Agriculture,
Food and the Marine

Thank you

Engage, Educate & Empower

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