

Flooding Mucky Dip!

This game helps young people to learn about some of the risks associated with flooding and the actions they can take to help prepare for these risks.

Time Required: 30 minutes

Equipment:

- Two large tubs containing sand and water (or water dyed brown with instant coffee), each containing a set of printed, individually laminated Risk cards (20 cards per tub)
- Four towels for teams to dry hands after each round (and ask everyone to go wash their hands at the end of the game)
- Two sets of printed game Introduction & Questions/Answers
- Two sets of printed and cut up Action cards (12 cards in each set)
- Four printed Mucky Dip! game boards

Method:

1. Prepare your tubs and place on two separate tables.
2. Split your group into four teams. Assign two teams to each tub (one leader to each tub) and give each team a Mucky Dip! game board and a towel. Each leader should have a copy of the introduction & Questions/Answers plus a set of Action cards.
3. Leader reads out the Introduction. Each team then takes it in turns to dip into the floodwater and pull out a Risk card (they can dry off with the towel). Make sure everyone sees and understands what the risk is. Leader asks the team a question which, if they answer correctly, allows them to swap the Risk card for an Action card that they place on their game board.
4. The winning team is the first to fill their game board with Action cards.



Introduction to Flooding Mucky Dip!

In sediment-infested floodwater what will you find...?

This game will help you learn about some of the **Risks** connected with flooding. You will also think about ways you can be **Ready** for, **Respond** to and **Recover** from flooding.

Each team member will take a turn at reaching into the murky flood waters. BE CAREFUL as there are dangerous things lurking underneath...

But fear not!! Once you have picked a hazardous **Risk** object from the floodwater you have the chance to swap it for a more useful **Action** object by correctly answering a question. These useful objects can help you to take action if flooding happens.

The winning team is the one that collects the greatest number of Action objects on their board by the end of the game.



Questions & Answers

1. How much of the earth's surface is covered by water?

Answer: 71% (margin of error at leader's discretion!)

2. Can you name the longest river in the world?

Answer: River Nile (6,650km)

3. Can you name a river in your local area?

Answers depend on locality.

4. Can you name a cause of flooding?

Possible answers and further info: heavy rain – can cause 'surface water' or 'flash' flooding when ground is too wet or dry to soak up; heavy rain can also lead to river flooding when rivers break their banks and water spills over; sea water can be thrown on land by a storm; a burst pipe in a building; water coming up from below the surface like a spring can cause 'groundwater' flooding; high tides at sea can cause 'tidal' flooding in coastal areas – also linked to sea level rises caused by climate change.

5. Name something you can do if you know your house or school might be at risk of flooding in the future?

Possible answers and further info: encourage home or school to have a flood plan; make sure that everyone is aware of what to do; sign up to flood warnings; get an emergency flood kit ready in case of need to evacuate; take photos of your possessions; know your local area; share advice; tell a responsible adult and ask them to take action...

6. What do you think is a benefit of signing up to receive flood warnings on your phone?

Possible answers: so you are alerted when a flood might happen and can take action; so you can learn more about flooding and what to do...

7. Give one example of something you can do to stay safe in a flood.

Possible answers: stay away from flood water; move precious items, pets and people away from water; tell adults not to drive through flood water; move to higher ground...

8. What action can you take if your house starts to get flooded?

Possible answers: turn off electricity; get out your emergency flood kit; help elderly and vulnerable neighbours out of danger; switch off gas and water supplies; put flood protection equipment in place; move items either upstairs or to a high place; move pets to safety...

9. Name something that could go in your emergency flood kit that you could take with you if you need to leave your home quickly in a flood.

Possible answers: waterproofs; food and drink; sentimental item; important documents; warm clothing; first aid kit; torch and batteries; bank card/money; mobile phone charger...

10. Which items in your house would you want to keep away from flood water?

Possible answers: anything! Individual choice, just to get them thinking about what is important to them.

11. Why do you think it might be dangerous to walk through floodwater?

Possible answers: hazards you can't see – standing water and mud can obscure holes and sharp objects; fast flowing water may sweep you off your feet – never try to swim through floodwater; large waves crashing on shore may contain rocks and rubbish which can cause injury; large waves crashing against piers and seawalls during flood events may sweep you off your feet – stay well clear; floodwater contains sewage, chemicals and rotting food – wash your hands thoroughly if you touch it.

12. Why do you think it might be dangerous to try and drive through floodwater?

Possible answers: you can't see how deep it is; your car could get swept along by a current; cars moving through floodwater can sweep more water in people's houses; flood water lifts off manhole covers and grids which you can may get stuck in.

13. What damage do you think floodwater can do to people's homes?

Possible answers: damage furniture and belongings; ruin personal belongings; contaminate items so they have to be cleaned or thrown out; sweep items away in the water; make the house itself very wet (walls, doors etc) leading to mould etc...

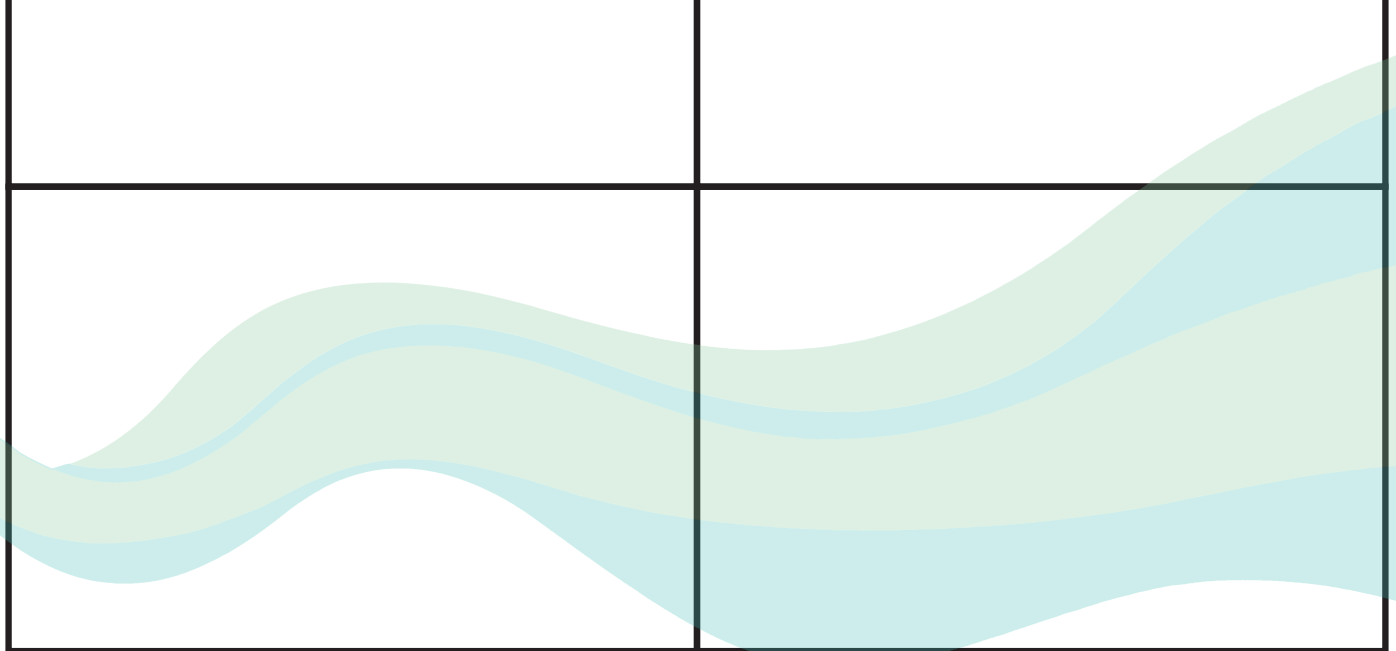
14. Name something you could do to help a friend or family member whose home has been flooded.

Possible answers: help them by donating supplies; give them a hug; listen to them; make them a meal...

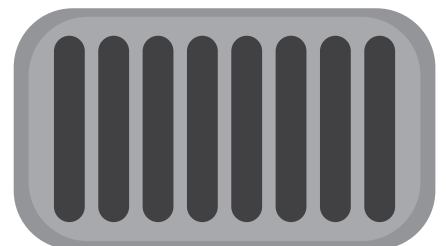
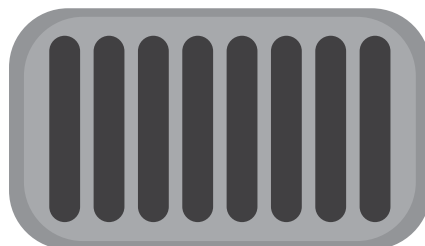
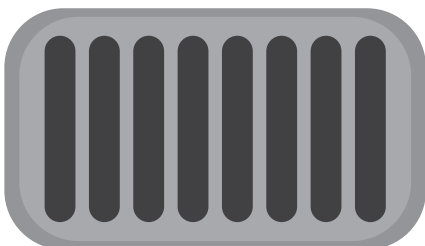
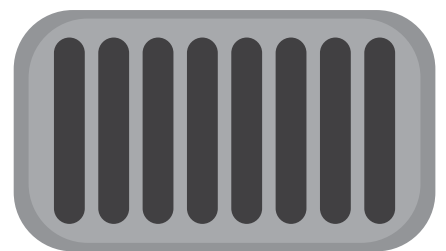
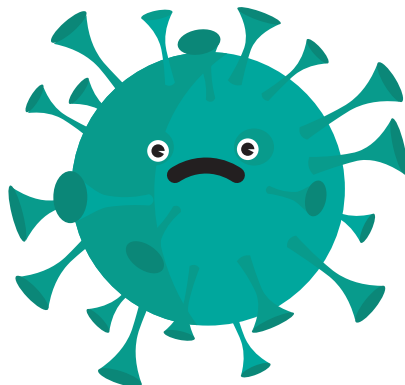
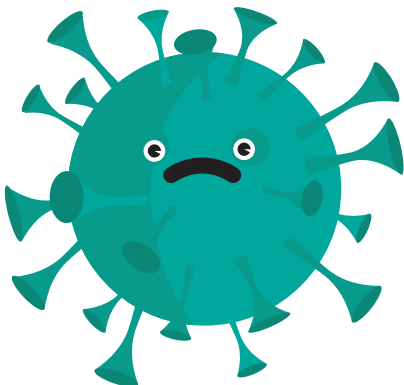
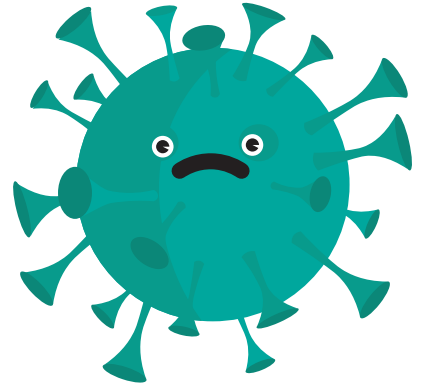
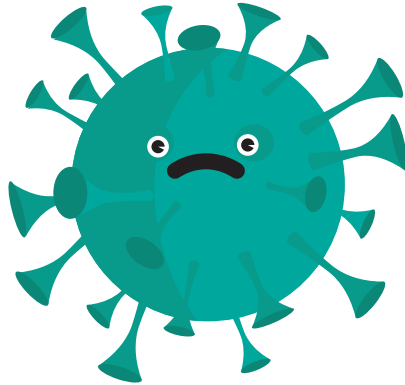
15. Are all floods a bad thing? Give a reason for your answer.

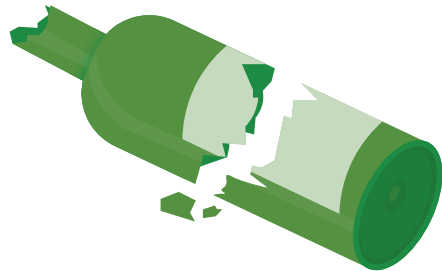
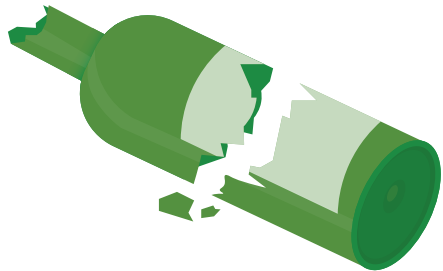
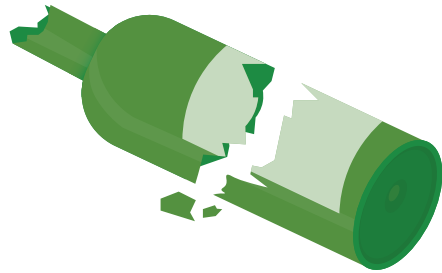
Opportunity here to discuss positive as well as negative aspects of flooding. Examples of the benefits of flooding include: flooding of fields can help to improve soil fertility and bring benefits to farming, plants and animals; some crops like rice are specifically grown in flooded fields...

Flooding Mucky Dip! Gameboard



Flooding Mucky Dip! RISK CARDS (cut these up and laminate)

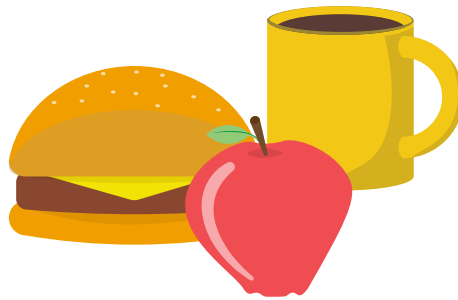




Flooding Mucky Dip! ACTION CARDS (cut these up and organise into sets)



Flood plan



Food and drink



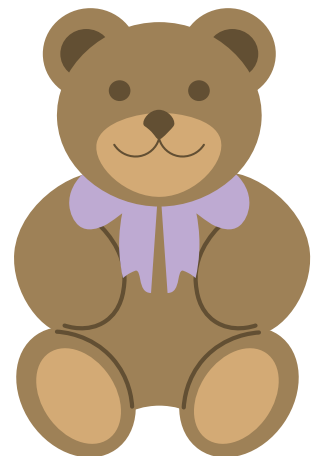
Waterproofs



First aid kit



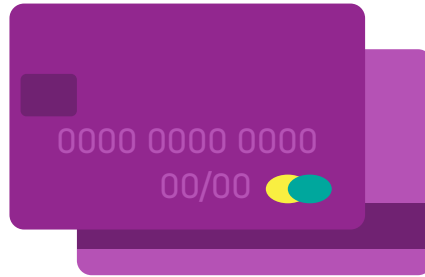
Torch



Teddy or toy



**Mobile phone
and charger**



Bank cards or money



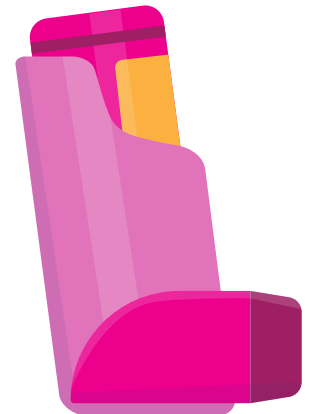
Passport



Family pets



Useful phone numbers



Medicines