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| **River Studies – Indoor session ( 50 minutes)**  |
| Equipment* River features flashcards
* River Features “ blanks “ worksheet
* Trays, sand, water, measuring jugs, stopwatches, pieces of wood, spoons

Health and safety* Keep their hands away from their mouths.
* Wash hands at the end of session.
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| Time | Activity |
| 5 | Introduction* Tame Valley Wetlands Landscape Partnership Scheme
* Housekeeping information
* Aims and Objectives of Session – laid out on powerpoint
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| 10 | Flashcard Game* Each table is given a set of flashcards
* Describe a feature of a river
* Groups confer and decide which feature you are describing
* Ask the children to show their answers
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| 20 | Powerpoint* Continue with Powerpoint presentation
* Raise questions about rainfall in urban areas compared with rural areas
* Talk about the wildlife found in and along the River Tame
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| 15 | Investigation – Follow instructions from Education pack* Distribute equipment to each group
* Fill water up as and when needed
* Explain the need to pour slowly
* Give children a chance to all have a go at some part of the experiment
* Results ca be collated and used as part of follow up work at school
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| **River session outdoors (30 minutes)**  |
| Equipment* First aid kit and mobile phone
* Tape measure, oranges / apples, stop watches
* Pencils and clipboards with one piece of plain paper for field sketch, and ‘Measuring the flow rate’ worksheet.

Health and safety* Keep their hands away from their mouths.
* Wash hands at the end of session.
* Ensure that children are told not to climb on the rail and to stay on the correct side
* Be aware of the weather and the levels of the river as they can rise quickly
* Depending on time of year, ensure nettles are strimmed before visit.
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| Time | Activity |
| 5 | * Safety talk
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| 10 | * Draw a field sketch of the river. Explain the importance of field sketches and what to include.
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| 15 | * Flow rate experiment using oranges
* Split children into groups
* One person throws the orange into the river, upstream of the first marker. One person stands at the first marker and shouts as the orange goes past. One person has a stop watch and starts the watch on their shout. A third person stands at the final marker post and shouts out as the orange passes them. The timer stops the watch and the time is recorded. This is done a number of times either within the group or the whole class share results.
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