Genetically Engineered Crops – recent introduction of genome editing technology CRISPR. Ban on GM Crops in South Australian. Views of scientists and public on scientific issues (‘Pew Survey’ – is GM safe to eat?)

Food technology - Natural additives in bread compared to “non-natural” additives and the effect on taste, texture and the look of the baked product. Governments proposal for an innovative food manufacturing hub in SA and the development of new food products. Consumer food trends and how the industry changes to suit what is popular.

Pesky pests – Impact of Mr Fox on livestock in South Australia and the drafting of a new fox policy. Beating pest bugs with natural predators in Biological control. The problem with the fruit fly and how South Australian is on the trail to kill its buzz

SMART Farms – What apps are available to help grains growers in South Australia and how are they effective. The benefits and limitations of using GPS and GIS mapping on farms. Boosting the breeding rates of cows by tracking their social behaviour and movement with GPS collars. Collecting data from crops using drones and the issues related to privacy of the data collected.

Water use – The development of efficient irrigation in growing vegetables in our dry state. Employing technologies like Enviroscan to monitor water usage. Farms using desalinated water for their crops e.g. Sun Drop farm.

Growing food by design – Creating effective greenhouse through advancement in technology. The role of The Plant Accelerator in South Australia and the use of SmartHouses in growing and researching food. Vertical farming – they’re doing it Korea, would it work here in South Australia.

Something Fishy - Environmentally sustainable fish farming in South Australia e.g. Robarra expansion for Barramundi farming, Current project to build up stocks of Murray Cod in our states river. Fishing with Supertrawlers and the what this could mean for SA waters. Turning Pipi (cockles) from food for fish into food for people.
Where do I start looking? Below are some suggestions of organisations to search. Use these to find key words, resources, contacts, research news, media articles.

In your research project include media articles from ABC Rural, Landline, PIRSA. Email experts and ask they a couple of questions. Can you go out in the field and look for yourself. Why not get hands on and do an investigation at home or school to add to your project.

<table>
<thead>
<tr>
<th>General</th>
<th>Food</th>
<th>Animal and Plant Health</th>
<th>Horticulture</th>
<th>Water resources</th>
<th>Agriculture</th>
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</thead>
</table>
| Primary Industries and Regions South Australia (PIRSA) | Australian Institute of Food Science and Technology  
CSIRO  
FOODplus  
South Australian Food Users Guide  
FSANZ  
SARDI Food Innovation | Roseworthy – Companion Animal Centre and Equine Centre  
Biosecurity SA  
Plant Cell Walls ARC  
Belair National Park Nursery  
Adelaide and Mt Lofty Botanical Gardens  
Meat and Livestock Australia (MLA) | Horticulture Australia ‘HAL’  
Australian Institute of Horticulture  
Adelaide and Mt Lofty Botanic Gardens | SA Desalination Plant  
Bolivar  
SA Water  
Murray Darling Basin Authority  
Banrock Station Wetlands, Urrbrae Wetlands  
or your local wetland  
The Macquarie Marshes Wetland System | National Farmers Federation (NFF)  
Future Farmers Network  
University of Adelaide – Roseworthy  
Future Farming Forum |