

Think Science! Video Checklist for Years 7–10

Communication is an important science skill, and the video that your team creates will play a major part in your success in Think Science! 2025.

The best videos are well planned before any filming is done to ensure they fit the maximum 5 minutes allowed. Your video needs to be creative, entertaining and fun, and grab your viewer's attention. Check out all of our winners from 2024, including our Primary school winners, at [2024 Think Science Competition Summary and Results | ANSTO](#) to see what makes a great investigation video!

To plan your video, you should construct a **storyboard** which indicates what you will show to your audience for each scene and what you will say for that scene. You can use our **storyboard template** to help you!

While creating your storyboard, and during your filming process, this checklist will help to ensure you have included everything. We have also provided **maximum times** to cover each aspect in the video. Your video must be **no longer than 5 minutes**.

Print the video checklist and put a tick against each item to check you have included it in your storyboard.

Questioning and predicting (maximum 60 seconds including introduction)



We have:

- stated the scientifically testable question or aim of our investigation
- presented a short summary of the science and scientific concepts that relate to our investigation
- proposed a testable hypothesis (what we think will happen based on our research)

Planning and conducting (maximum 90 seconds)



We have:

- identified the independent and dependent variables (what we changed and what we measured) and described how we measured them
- described how other variables were kept the same to ensure a fair test
- stated safety risks and any ethical issues for our investigation, and explained how we minimised these risks and issues (risk assessment)
- included photos or video to clearly show the set-up of our equipment for our investigation (equipment)
- clearly described the logical steps we followed to carry out our investigation (method)
- included video showing our team carrying out our investigation and recording the results

Processing, modelling and analysing (maximum 60 seconds)



We have:

- presented an appropriate, well-organised and easily readable table of all our observations and measurements, including our trial averages (results)
- included an appropriate, easily readable graph or clear photos of our results
- described any patterns, trends or relationships shown by our results, and identified any anomalies

Evaluating



We have:

- stated our conclusion, and whether or not our results support our hypothesis
- explained our results using our knowledge of the science and scientific concepts related to our investigation
- related our findings to the real world and suggested questions for further investigation
- reflected on possible sources of error in our investigation and stated how our investigation could be improved

Communicating

Now that you have checked your storyboard it's time to make your **video**.

Here is a checklist for your team to consider when you are making your video:



We are:

- including creative ideas and features to engage the viewer and make it fun to watch
- filming in a quiet area so there is no background noise
- filming where there is enough lighting so that everything presented can be clearly seen
- looking at the camera when speaking and have only one team member speaking at a time
- speaking loud enough and clearly enough for the viewer to hear and understand
- speaking at the right pace (not too quickly or too slowly)
- ensuring that any text, data tables and graphs presented on screen are large enough to be easily read and to clearly see all details, and enough time has been allocated for the viewer to look at and understand them
- using voice-overs to explain tables, graphs and other visuals presented on screen
- checking the spelling of all our text
- checking that our final version of the video is **between 4 and 5 minutes long**.
Videos longer than 5 minutes will be excluded from judging.

HINT: Play your video for your teacher, friends and family to get their feedback before submitting – they might notice something you missed that needs fixing!

Good luck!! We look forward to watching your investigation video!! 😊