Think Science! Checklist for Years 3-6

Your video entry should show the judges how you did each part of your investigation. This list will help you to keep on track! Print it out and put a tick against each item you have included in your video. If you have missed anything you may like to record your video again to include the sections you missed.

Questioning and predicting

- ☐ Have you clearly stated the question you are going to answer in your investigation?
- ☐ Have you told us your prediction? (What do you expect to happen?)
- ☐ Have you included a reason for your prediction? (Why did you expect this to happen?)

Planning and conducting

- ☐ Have you described the steps of your investigation?
- ☐ Have you said what thing you changed, what you kept the same, and what you measured?
- ☐ Have you listed the materials and equipment you used?
- ☐ Have you mentioned how you used the materials and equipment safely?
- ☐ Have you included photos or video that shows how you did your investigation?
- ☐ Have you shown observations and measurements that you made during your investigation?

Processing, modelling and analysing

- ☐ Have you included tables or graphs (or other methods) that you used to organise your data?
- ☐ Have you described what your data show?
- ☐ Have you told us about any patterns or relationships in your data that you can see?

Evaluating

- ☐ Did your investigation answer your question at the beginning? Tell us and explain to us why or why not.
- ☐ Have you told us whether your prediction was correct or not?
- ☐ Could your investigation be improved? Have you told us how?
- ☐ Did you notice any possible sources of error? Tell us about them.
- ☐ Can you think of any questions for further investigation? What are they?

Communicating

Communicating well is an important part of every science investigation! Make sure that you plan and prepare your video presentation carefully.

Try to make a video that is interesting and enjoyable for the viewer to watch, so they pay attention and learn about your great investigation! Use your creativity!

Watch your completed video. You may like to include other friends, family, or class members in your audience to see what they think as well.

Here are some things to check while watching your video:

- ☐ Are all team members speaking loud enough for the viewer to clearly hear?
- ☐ Are all team members speaking at the right speed (not quickly or slowly)?
- ☐ If appearing on screen, are all team members looking at the camera while speaking?
- ☐ Is only one team member speaking at a time? This is very important!
- ☐ Is there background noise? It needs to be very low or none.
- ☐ Is all text on your screen large enough for the viewer to read?
- ☐ Are all photos good: in focus and taken with enough lighting?
- ☐ Are all data tables large enough to see all text?
- ☐ Are all graphs large enough to see all details?
- ☐ Have you allowed enough time for the viewer to look at your tables and graphs?
- ☐ Have you included creative elements to interest the viewer?
- ☐ Has your teacher checked the spelling of all text?
- ☐ Is your video between 3 and 4 minutes long?

TIP: Try not to just read your notes to the screen. Learn your investigation information well, so that you can talk to your audience (the judges and other people you invite to watch your video) about what you investigated, how you did it and what you discovered.

If you check your video and find there are problems or you have missed some things in the checklist, try to fix them well before the competition closes.

Good luck!! We look forward to seeing your investigation!! ☺