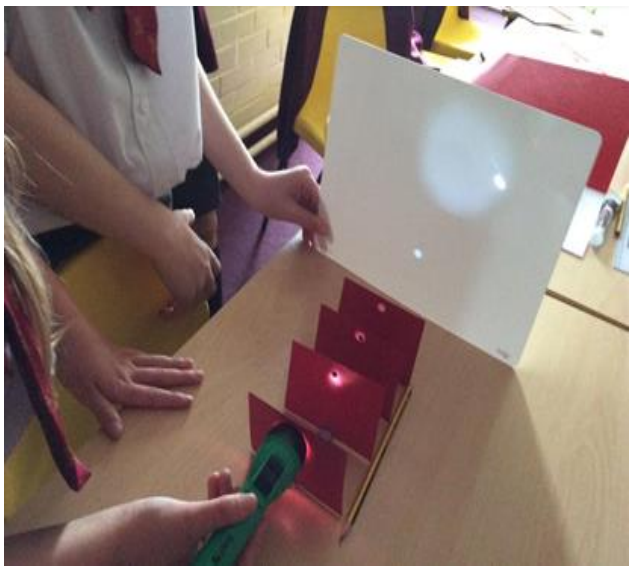
Science Questionnaire

Earlier this academic year we asked you to complete a questionnaire about Science at TPS.

We received a huge response, which was extremely helpful. After analysing the results we have been working hard to improve the teaching and learning of science.

We are now really interested to gain your views again to see what difference our improvements have made.



Please could you complete the questionnaire by Friday 9th July, by following this link
TPS Summer Science Questionnaire

From the questionnaires in Autumn Term, the following areas for development were identified and have been addressed:

Children's engagement and enjoyment in science

You said 55% of children never talked about their science lessons

- New science curriculum introduced across the whole school.
- Curriculum is balanced between science knowledge and practical science enquiries.
- Clear progression of skills from Nursery to Year 6 to ensuring learning is sequential.
- Regular pupil voice to gauge children's views to improve the curriculum.
- Knowledge organisers introduced for review activities and sticky learning exercises. This has helped children retain key concepts, which has freed up time in lessons to concentrate on scientific enquires.
- Staff training has supported children's independence when planning and carrying out scientific enquiries.
- Staff have improved their questioning strategies to encourage children to be more dynamic thinkers.
- Strong links with English curriculum. Topics taught in English link with the science curriculum.
- Children with special education needs have been supported through pre-tutoring and additional scaffolding lessons.
- 'Woodland Learning' sessions have a regular focus on Science, providing children with a range of practical science experiences, which they can relate to real world situations.

More opportunities for child led investigations

Many parents suggested more practical activities as a way to improve their child's engagement with science in school

- Staff have attended training to develop their skills in being facilitators during scientific enquiries so that it is the children who are leading the investigations.
- Children now have enough resources to undertake enquiries in small groups or pairs to further support independent learning

Reporting pupils' attainment to parents

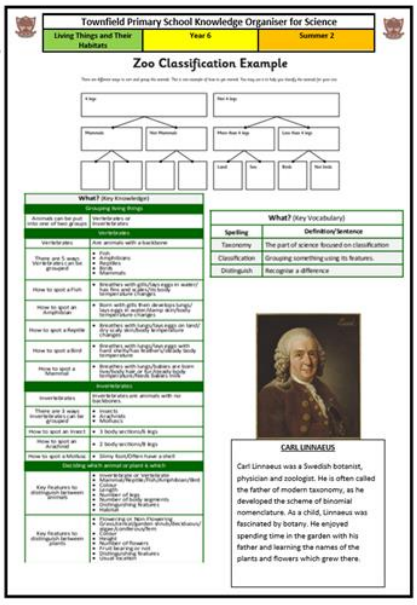
Only 5% of parents are aware of children's attainment in science

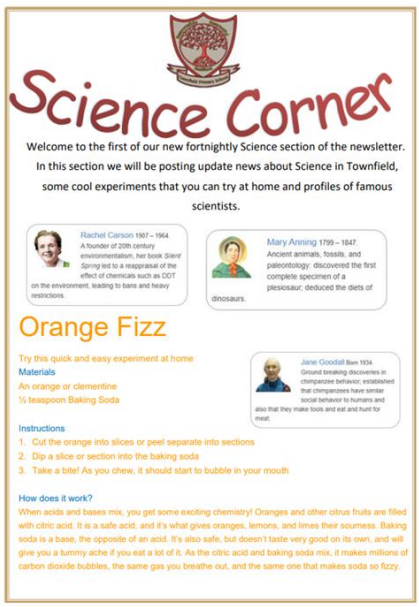
- Children's progress in science was shared by teachers during parents evening.
- Seesaw has been used to share information about the children's learning in science during school closure and continues to be used to share information about home learning.
- Children's progress will also be communicated through the end of year reports.

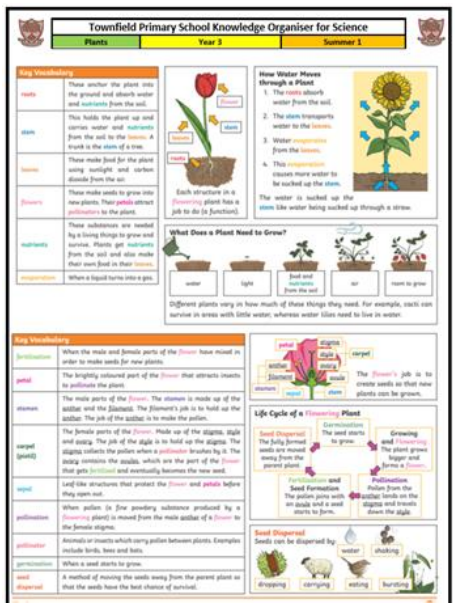
Sharing information about the science curriculum with parents

76% of parents are not aware about what their child is learning in science

- Science webpage has been improved to include regular updates about the science curriculum in every year group. Key documents are also available to download, including: knowledge organisers, curriculum overview, milestones and our vision and principles.
- Knowledge organisers have also helped to inform parents of the key concepts and information for each topic.
- Every two weeks the newsletter will publish "Science Corner" which will have fun experiments to do at home, highlight important historical figures from science and have any news from school.







Science visits

90% of parents said their child has not been on a science visit.

- A science plan for trips and visitors across the school has been devised ready for when Covid19 restrictions lift. Visits include: Chester Zoo, Liverpool Museum, Ness Gardens and Gordale.
- Some visitors to school, have been able to take place, including a scientist who works in chemical engineering, visited Year 5 and 6.
- Woodland Learning has also provided a fantastic enhancement to the science curriculum.