



L.E.A.D.
Equate



'WORKING TOGETHER
TO L.E.A.D. THE HIGHEST
OUTCOMES FOR ALL'

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ADDITIONAL CPD FOR STEM: SCIENCE AND D&T



Additional CPD for STEM: Science and D&T

This brochure outlines additional CPD that L.E.A.D. schools can access for **FREE** as part of our exciting partnership with DTSA/STEM Learning.

Colleagues are able to book these courses through their STEM Learning online accounts. Leaders, teachers, teaching assistants, learning support assistants, and trainee teachers in L.E.A.D. schools can sign up for their STEM Learning Educator accounts here: www.stem.org.uk/user/register

If you have any issues with registering for a course, please email finance@dtso.org.uk to draw on support from Anna, our linked contact at DTSA.

Please note, the courses listed here are **in addition** to those listed in the L.E.A.D. Equate 2023-24 brochure. There are a number of exciting courses related to science in the main brochure.



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Science Leadership

Using the Ofsted Research Review

Science to Move your Curriculum Towards Excellence – Practical Work & Pedagogy

Aimed at:

- Primary science leads
- Senior leaders



This course is funded through our STEM Learning Partnership with DTSA and STEM Learning. Leaders, teachers, teaching assistants, learning support assistants, and trainee teachers in L.E.A.D. schools can sign up for their STEM Learning accounts here: www.stem.org.uk/register

If you have any issues with registering for a course, please email finance@dtsa.org.uk to draw on support from Anna, our linked contact at DTSA.

INTENDED IMPACT OF THE PROGRAMME:

Participants will understand the Ofsted Research Review on science education and how to apply its findings to their own practice. Participants will learn how to use evidence-based practices to improve science education and move their curriculum towards excellence.

OVERVIEW OF THE PROGRAMME CONTENT:

Participants will learn about the findings of the Ofsted Research Review on science education and explore evidence-based practices for improving practical work and pedagogy. They will learn how to apply these practices to their own setting

Being Ofsted Ready for Subject Leads and Middle Leaders for Primary Sciences

Aimed at:

- Primary science leads
- Senior leaders



INTENDED IMPACT OF THE PROGRAMME:

The “Being Ofsted Ready” course is designed to help subject leads and middle leaders for primary sciences understand the expectations of Ofsted and prepare for inspections. Participants will learn how to implement effective science education practices, evaluate their own provision, and provide evidence of impact.

OVERVIEW OF THE PROGRAMME CONTENT:

Participants will learn about the Ofsted framework and the expectations for science education. They will explore effective science education practices and learn how to evaluate their own provision using data and evidence.

This course is funded through our STEM Learning Partnership with DTSA and STEM Learning. Leaders, teachers, teaching assistants, learning support assistants, and trainee teachers in L.E.A.D. schools can sign up for their STEM Learning accounts here: www.stem.org.uk/register

If you have any issues with registering for a course, please email finance@dtsa.org.uk to draw on support from Anna, our linked contact at DTSA.



Wednesday 20th September 2023

1.30pm – 3.30pm

ONLINE

Cost: FREE

Online

Click here



Monday 11th March 2024

1pm – 3.30pm

ONLINE

Cost: FREE

Online

Click here





Enhancing Teaching and Learning for High-Quality Science

Practical Work

Making It Purposeful, Making It Better: Planning for Behaviour in Practical Lessons



Aimed at:

- All primary school teachers
- Science leads

INTENDED IMPACT OF THE PROGRAMME:

This course is designed to help teachers, and science leads develop their skills in planning and delivering effective practical science lessons that promote positive behaviour for learning.

OVERVIEW OF THE PROGRAMME CONTENT:

In line with the recommendations from Ofsted's research review for science (2021), participants will learn about the principles of practical work in science education and how to plan and deliver effective practical lessons that support student learning and progression. They will explore effective pedagogy and assessment strategies, as well as practical considerations such as health and safety and risk assessment. Participants will also learn how to plan for positive behaviour in practical lessons and how to create a supportive learning environment that promotes positive behaviour for learning.

This course is funded through our STEM Learning Partnership with DTSA and STEM Learning. Leaders, teachers, teaching assistants, learning support assistants, and trainee teachers in L.E.A.D. schools can sign up for their STEM Learning accounts here: www.stem.org.uk/register

If you have any issues with registering for a course, please email finance@dtta.org.uk to draw on support from Anna, our linked contact at DTSA.



Course Leader
Rob Butler



Wednesday 19th October 2023

3.30pm – 5pm

ONLINE

Cost: FREE

Online

Click here

Primary Classroom Strategies for Maximising Impact and Progression for Learners in Science

Aimed at:

- All primary school teachers
- Science leads



INTENDED IMPACT OF THE PROGRAMME:

This session will deepen participants' understanding of high-quality classroom practice for science education.

OVERVIEW OF THE PROGRAMME CONTENT:

Participants will develop their repertoire of classroom-based strategies to support strong outcomes in primary science.

This course is funded through our STEM Learning Partnership with DTSA and STEM Learning. Leaders, teachers, teaching assistants, learning support assistants, and trainee teachers in L.E.A.D. schools can sign up for their STEM Learning accounts here: www.stem.org.uk/register

If you have any issues with registering for a course, please email finance@dtta.org.uk to draw on support from Anna, our linked contact at DTSA.



Course Leader
Rob Butler



Tuesday 16th January 2024

3.30pm – 5pm

ONLINE

Cost: FREE

Online

Click here

Identifying Misconceptions in Primary Science



- Aimed at:
- All primary school teachers
 - Science leads

INTENDED IMPACT OF THE PROGRAMME:

Participants will develop their understanding and expertise in identifying and addressing common misconceptions in primary science education.

OVERVIEW OF THE PROGRAMME CONTENT:

Participants will learn about common misconceptions in primary science education and explore effective pedagogy and assessment strategies for identifying and addressing these misconceptions. They will also learn how to promote conceptual understanding and critical thinking among students, as well as how to use formative assessment data to inform their teaching and differentiate their instruction to meet the needs of all learners.

This course is funded through our STEM Learning Partnership with DTSA and STEM Learning. Leaders, teachers, teaching assistants, learning support assistants, and trainee teachers in L.E.A.D. schools can sign up for their STEM Learning accounts here: www.stem.org.uk/register

If you have any issues with registering for a course, please email finance@dtsa.org.uk to draw on support from Anna, our linked contact at DTSA.

Monday 12th February 2024

4pm – 5.30pm

ONLINE

Cost: FREE

Online

Click here



Supporting the Memory

Strategies and Techniques to Retain and Retrieve Knowledge In Primary Science



Course Leader
Rob Butler

- Aimed at:
- All primary school teachers and leaders

INTENDED IMPACT OF THE PROGRAMME:

To support primary school teachers in planning to promote retention and retrieval of core knowledge from the primary science curriculum.

OVERVIEW OF THE PROGRAMME CONTENT:

This programme will introduce key ideas from cognitive science related to memory, retention and retrieval.



Tuesday 18th June 2024

3.30pm – 5pm

ONLINE

Cost: FREE

Online

Click here



This course is funded through our STEM Learning Partnership with DTSA and STEM Learning. Leaders, teachers, teaching assistants, learning support assistants, and trainee teachers in L.E.A.D. schools can sign up for their STEM Learning accounts here: www.stem.org.uk/register

If you have any issues with registering for a course, please email finance@dtsa.org.uk to draw on support from Anna, our linked contact at DTSA.



Subject Knowledge for Science

Subject Knowledge Twilight

KEY STAGE 1



Aimed at:

- Year 1 and 2 teachers
- Science leads

INTENDED IMPACT OF THE PROGRAMME:

This twilight session will help teachers and science leads to develop their subject knowledge and skills in science in lower Key Stage 1, aligned with the National Curriculum recommendations.

OVERVIEW OF THE PROGRAMME CONTENT:

Participants will learn about the Key Stage 1 science curriculum and develop their subject knowledge and skills in science education, including effective pedagogy and assessment strategies.

This course is funded through our STEM Learning Partnership with DTSA and STEM Learning. Leaders, teachers, teaching assistants, learning support assistants, and trainee teachers in L.E.A.D. schools can sign up for their STEM Learning accounts here: www.stem.org.uk/register

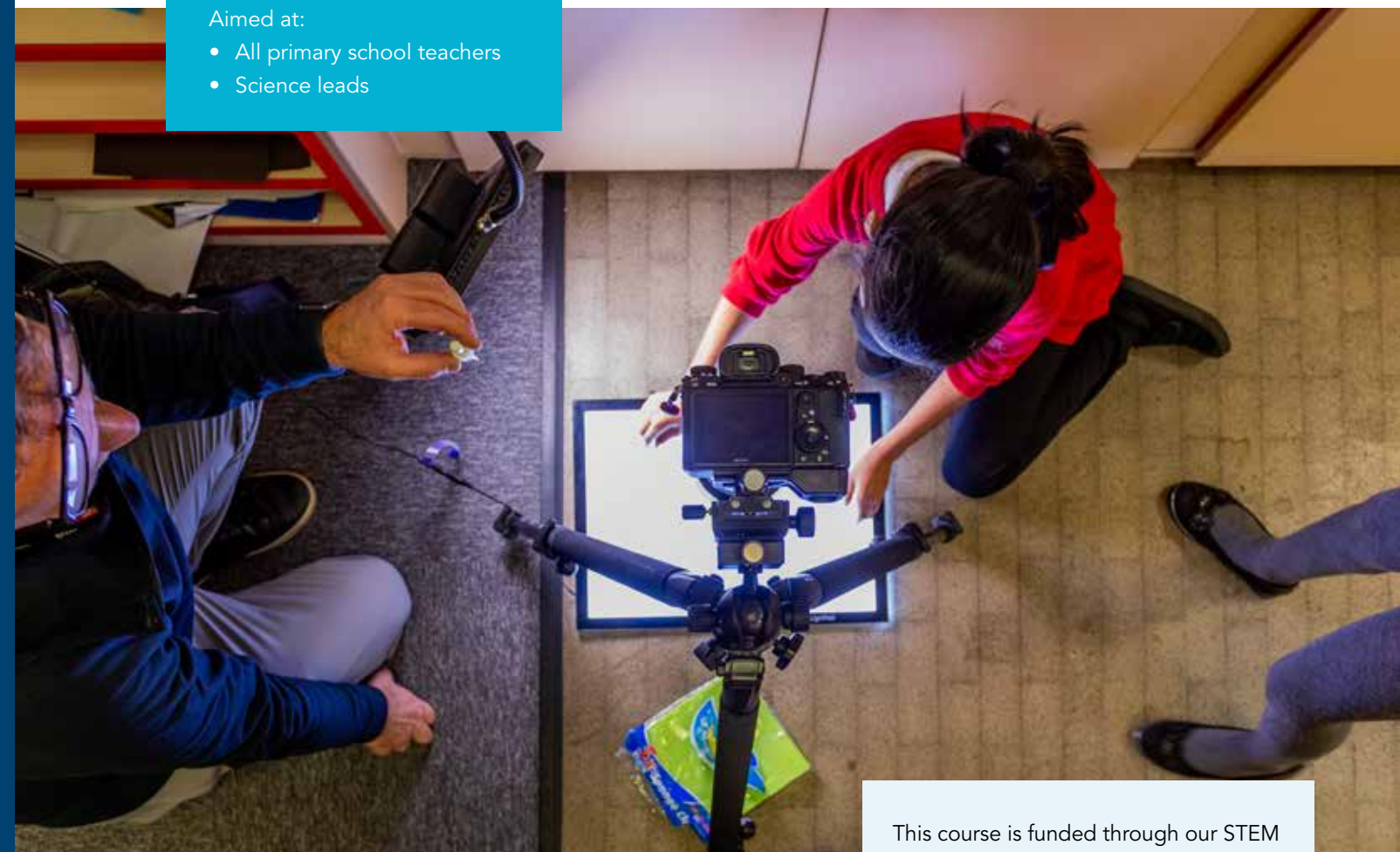
If you have any issues with registering for a course, please email finance@dtsa.org.uk to draw on support from Anna, our linked contact at DTSA.

Linking Science and Foundation Topics

Across the Primary Curriculum

Aimed at:

- All primary school teachers
- Science leads



INTENDED IMPACT OF THE PROGRAMME:

This session will help teachers and science leads to integrate science education with foundation topics across the primary curriculum.

OVERVIEW OF THE PROGRAMME CONTENT:

Participants will learn about the principles of interdisciplinary learning and how to integrate science education with other foundation topics, such as history and geography. They will also explore effective pedagogy and assessment strategies for linking science and foundation topics across the primary curriculum.

This course is funded through our STEM Learning Partnership with DTSA and STEM Learning. Leaders, teachers, teaching assistants, learning support assistants, and trainee teachers in L.E.A.D. schools can sign up for their STEM Learning accounts here: www.stem.org.uk/register

If you have any issues with registering for a course, please email finance@dtsa.org.uk to draw on support from Anna, our linked contact at DTSA.

Friday 29th September 2023

4pm – 5.30pm

ONLINE

Cost: FREE

Online

Click here



Monday 2nd October 2023

4pm – 5.30pm

ONLINE

Cost: FREE

Online

Click here



HELP! I'm Teaching Evolution



- Aimed at:
- All primary school teachers
 - Science leads

INTENDED IMPACT OF THE PROGRAMME:

This course will support teachers and science leads in developing their subject and pedagogical content knowledge related to evolution.

OVERVIEW OF THE PROGRAMME CONTENT:

Participants will learn about the principles of evolution and its role in science education, developing their subject knowledge and confidence in teaching evolution to primary school pupils in line with the National Curriculum. They will also explore effective pedagogy and assessment strategies for teaching evolution, as well as strategies for addressing common misconceptions and challenges.

This course is funded through our STEM Learning Partnership with DTSA and STEM Learning. Leaders, teachers, teaching assistants, learning support assistants, and trainee teachers in L.E.A.D. schools can sign up for their STEM Learning accounts here: www.stem.org.uk/register

If you have any issues with registering for a course, please email finance@dtso.org.uk to draw on support from Anna, our linked contact at DTSA.



Tuesday 10th October 2023

1.30pm – 3.30pm

ONLINE

Cost: FREE

Online

Click here



Course Leader
John Jefferies



Subject Knowledge Twilight LOWER KEY STAGE 2

- Aimed at:
- Year 3 and 4 teachers
 - Science leads

INTENDED IMPACT OF THE PROGRAMME:

This twilight session will help teachers and science leads to develop their subject knowledge and skills in lower Key Stage 2 science, aligned with the National Curriculum recommendations.

OVERVIEW OF THE PROGRAMME CONTENT:

Participants will learn about the Lower Key Stage 2 science curriculum and develop their subject knowledge as well as their pedagogical understanding, including assessment strategies.



This course is funded through our STEM Learning Partnership with DTSA and STEM Learning. Leaders, teachers, teaching assistants, learning support assistants, and trainee teachers in L.E.A.D. schools can sign up for their STEM Learning accounts here: www.stem.org.uk/register

If you have any issues with registering for a course, please email finance@dtso.org.uk to draw on support from Anna, our linked contact at DTSA.



Monday 6th November 2023

4pm – 5.30pm

ONLINE

Cost: FREE

Online

Click here



HELP! I'm Teaching Gears, Levers and Pulleys

Aimed at:

- All primary school teachers
- Science leads



This course is funded through our STEM Learning Partnership with DTSA and STEM Learning. Leaders, teachers, teaching assistants, learning support assistants, and trainee teachers in L.E.A.D. schools can sign up for their STEM Learning accounts here: www.stem.org.uk/register

If you have any issues with registering for a course, please email finance@dtsa.org.uk to draw on support from Anna, our linked contact at DTSA.

INTENDED IMPACT OF THE PROGRAMME:

This session will enable participants to develop their subject knowledge and confidence in teaching gears, levers, and pulleys, aligned with the National Curriculum.

OVERVIEW OF THE PROGRAMME CONTENT:

Participants will learn about the principles of gears, levers, and pulleys and their role in science education, developing their subject knowledge and confidence in teaching these concepts to primary school pupils. They will also explore effective pedagogy and assessment strategies for teaching gears, levers, and pulleys, as well as strategies for addressing common misconceptions and challenges.

Checking for Understanding in Primary Science

INTENDED IMPACT OF THE PROGRAMME:

As part of our wider focus on formative assessment for the 23-24 academic year, this course will help teachers and science leads to broaden their repertoire of strategies for checking for understanding in primary science.

OVERVIEW OF THE PROGRAMME CONTENT:

Participants will learn about the principles of effective assessment in primary science education and explore different assessment purposes, such as formative assessment and summative assessment. They will also learn how to use assessment data to inform their teaching and adapt their instruction to meet the needs of all learners.

This course is funded through our STEM Learning Partnership with DTSA and STEM Learning. Leaders, teachers, teaching assistants, learning support assistants, and trainee teachers in L.E.A.D. schools can sign up for their STEM Learning accounts here: www.stem.org.uk/register

If you have any issues with registering for a course, please email finance@dtsa.org.uk to draw on support from Anna, our linked contact at DTSA.



Aimed at:

- All primary school teachers
- Science leads

Monday 13th November 2023

1.30pm – 3.30pm

ONLINE

Cost: FREE

Online

Click here



Monday 13th November 2023

4pm – 5.30pm

ONLINE

Cost: FREE

Online

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Subject Knowledge Twilight

UPPER KEY STAGE 2



- Aimed at:
- Year 5 and 6 teachers
 - Science leads

This course is funded through our STEM Learning Partnership with DTSA and STEM Learning. Leaders, teachers, teaching assistants, learning support assistants, and trainee teachers in L.E.A.D. schools can sign up for their STEM Learning accounts here: www.stem.org.uk/register

If you have any issues with registering for a course, please email finance@dtsa.org.uk to draw on support from Anna, our linked contact at DTSA.

Design and Technology

INTENDED IMPACT OF THE PROGRAMME:

This twilight session will help teachers and science leads to develop their subject knowledge and skills in upper Key Stage 2 science, aligned with the National Curriculum recommendations.

OVERVIEW OF THE PROGRAMME CONTENT:

Participants will learn about the Upper Key Stage 2 science curriculum and develop their subject knowledge and skills in science education, including effective pedagogy and assessment strategies.

Monday 5th February 2024

4pm – 5.30pm

ONLINE

Cost: FREE



CAD and Exploded Diagrams



Aimed at:

- All primary school teachers
- Design and Technology leads

INTENDED IMPACT OF THE PROGRAMME:

Participants will develop their skills in creating exploded diagrams using CAD software. Participants will learn how to create effective exploded diagrams that support student learning and progression in D&T education.

OVERVIEW OF THE PROGRAMME CONTENT:

Participants will learn about the principles of exploded diagrams and their applications in D&T education. They will explore effective pedagogy and assessment strategies, learning how to use CAD software to create effective exploded diagrams and how to integrate them into their D&T curriculum.

This course is funded through our STEM Learning Partnership with DTSA and STEM Learning. Leaders, teachers, teaching assistants, learning support assistants, and trainee teachers in L.E.A.D. schools can sign up for their STEM Learning accounts here: www.stem.org.uk/register

If you have any issues with registering for a course, please email finance@dtta.org.uk to draw on support from Anna, our linked contact at DTSA.



Tuesday 10th October 2023

3.30pm – 5pm

ONLINE

Cost: FREE

Online

Click here



Course Leader
John Jefferies



Electrical Systems and Control



Aimed at:

- All primary school teachers
- Design and Technology leads

INTENDED IMPACT OF THE PROGRAMME:

This course provides a comprehensive understanding of electrical systems and control and how they can be used to support student learning and progression in D&T education.

OVERVIEW OF THE PROGRAMME CONTENT:

Participants will explore the principles of electrical systems and control and their applications in real-world contexts. They will explore effective pedagogy and assessment strategies, as well as practical considerations such as health and safety and risk assessment. Participants will also learn how to design and deliver engaging and inspiring electrical systems and control activities that support student learning and progression.

This course is funded through our STEM Learning Partnership with DTSA and STEM Learning. Leaders, teachers, teaching assistants, learning support assistants, and trainee teachers in L.E.A.D. schools can sign up for their STEM Learning accounts here: www.stem.org.uk/register

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Course Leader
John Jefferies

Wednesday 1st November 2023

3.30pm – 5pm

ONLINE

Cost: FREE

Online

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Food & Nutrition; Textiles and Structures



Aimed at:

- All primary school teachers
- Design and Technology leads

INTENDED IMPACT OF THE PROGRAMME:

This course focuses on textiles as well as food and nutrition, enabling colleagues to deepen their engagement with these key disciplines within Design and Technology.

OVERVIEW OF THE PROGRAMME CONTENT:

Participants will learn key principles to support high-quality curriculum design, teaching, and assessment within food and nutrition and textiles.

This course is funded through our STEM Learning Partnership with DTSA and STEM Learning. Leaders, teachers, teaching assistants, learning support assistants, and trainee teachers in L.E.A.D. schools can sign up for their STEM Learning accounts here: www.stem.org.uk/register

If you have any issues with registering for a course, please email finance@dtsa.org.uk to draw on support from Anna, our linked contact at DTSA.



Wednesday 22nd November 2023

3.30pm – 5pm

ONLINE

Cost: FREE

Online

Click here



Course Leader
John Jefferies



Curriculum Enrichment and Cross-curricular Opportunities



Aimed at:

- All primary school teachers
- Design and Technology leads

INTENDED IMPACT OF THE PROGRAMME:

This course builds on the commitment to high quality experiences and enrichment for pupils across L.E.A.D. schools, exploring how the Design and Technology curriculum can be enriched and how cross-curricular learning can be mapped and enhanced.

OVERVIEW OF THE PROGRAMME CONTENT:

Participants will learn about the principles of curriculum enrichment and cross-curricular learning and how they can be used to enhance student engagement and achievement.

This course is funded through our STEM Learning Partnership with DTSA and STEM Learning. Leaders, teachers, teaching assistants, learning support assistants, and trainee teachers in L.E.A.D. schools can sign up for their STEM Learning accounts here: www.stem.org.uk/register

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Tuesday 12th December 2023

3.30pm – 5pm

ONLINE

Cost: FREE

Online

Click here



Course Leader
John Jefferies



Assessment, Evidencing and Progression



Aimed at:

- All primary school teachers
- Design and Technology leads

INTENDED IMPACT OF THE PROGRAMME:

Participants will develop their skills in assessing student learning and progress in D&T education. Participants will learn how to plan and deliver effective assessment and evidencing strategies that support student learning and progression.

OVERVIEW OF THE PROGRAMME CONTENT:

Participants will learn about the principles of assessment, evidencing, and progression in D&T education. They will explore effective pedagogy and assessment strategies. Participants will also learn how to design and deliver effective assessment and evidencing strategies that support student learning and progression, including the use of digital tools and technologies.



This course is funded through our STEM Learning Partnership with DTSA and STEM Learning. Leaders, teachers, teaching assistants, learning support assistants, and trainee teachers in L.E.A.D. schools can sign up for their STEM Learning accounts here: www.stem.org.uk/register

If you have any issues with registering for a course, please email finance@dtso.org.uk to draw on support from Anna, our linked contact at DTSA.



Tuesday 9th January 2023

3.30pm – 5pm

ONLINE

Cost: FREE

Online

Click here



Course Leader
John Jefferies



KS2 - KS3 Transition



Aimed at:

- All primary school teachers
- Design and Technology leads

INTENDED IMPACT OF THE PROGRAMME:

Participants will learn how to plan and deliver effective transition strategies that support student learning and progression in Design and Technology.

OVERVIEW OF THE PROGRAMME CONTENT:

Participants will learn about the challenges and opportunities of the KS2 - KS3 transition and how to plan and deliver effective transition strategies that support student learning and progression. Participants will also learn how to work collaboratively with secondary schools to ensure a smooth transition for students.

This course is funded through our STEM Learning Partnership with DTSA and STEM Learning. Leaders, teachers, teaching assistants, learning support assistants, and trainee teachers in L.E.A.D. schools can sign up for their STEM Learning accounts here: www.stem.org.uk/register

If you have any issues with registering for a course, please email finance@dtso.org.uk to draw on support from Anna, our linked contact at DTSA.



Tuesday 30th January 2024

3.30pm – 5pm

ONLINE

Cost: FREE

Online

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Course Leader
John Jefferies



Supporting Colleagues to Deliver Genuine D&T



Aimed at:

- Design and Technology leads

INTENDED IMPACT OF THE PROGRAMME:

Participants will learn how to work collaboratively with colleagues to plan and deliver engaging and inspiring D&T activities that support student learning and progression.

OVERVIEW OF THE PROGRAMME CONTENT:

Participants will learn how to support colleagues to plan and deliver engaging and inspiring D&T activities that support student learning and progression, including the use of digital tools and technologies. Strategies for supporting colleagues with subject knowledge and pedagogy will be shared, developing the confidence of D&T leaders.

This course is funded through our STEM Learning Partnership with DTSA and STEM Learning. Leaders, teachers, teaching assistants, learning support assistants, and trainee teachers in L.E.A.D. schools can sign up for their STEM Learning accounts here: www.stem.org.uk/register

If you have any issues with registering for a course, please email finance@dtso.org.uk to draw on support from Anna, our linked contact at DTSA.



Tuesday 5th March 2024

3.30pm – 5pm

ONLINE

Cost: FREE

Online

Click here



Course Leader
John Jefferies



STAY CONNECTED



L.E.A.D. Equate

The Regatta, Henley Way, Lincoln LN6 3QR
Telephone: 01522 214459



General enquiries: helenthomas@leadtshub.co.uk or admin@leadtshub.co.uk

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Early Careers based enquiries: rachael@leadtshub.co.uk

Teaching & Learning / Active Packages enquiries: sophiehurst@leadtshub.co.uk

English Hub enquiries:

Amy Wells (Leader): amywells@leadtshub.co.uk

Carrieanne Nicolson (Admin/Coordinator): carrieanneicolson@leadtshub.co.uk

Finance enquiries: helenwise@leadtshub.co.uk

L.E.A.D. EQUATE ONLINE:

Website: www.leadequatetsa.co.uk

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ENGLISH HUB ONLINE:

Website: www.wshenglishhub.co.uk

Twitter: [@WSHEnglishHub](https://twitter.com/WSHEnglishHub)