

A FREE RESOURCE PACK FROM EDUCATIONCITY

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# PlayLive Challenge: Day 2



Mathematics



School Worksheets



Suitability

# PlayLive Challenge Week: Day 2 Worksheets

## Background to the Packs

This pack has been created to support your students as they look to compete in this year's PlayLive Challenge.

In contrast to previous years, this time around, we've decided to focus on one skill per day in the run up to the Challenge Day itself. The skills we're concentrating on are as outlined below, with this particular pack focusing on the area in bold text:

Day 1 Addition

**Day 2 Subtraction**

Day 3 Multiplication

Day 4 Division

*NOTE:* For great materials to help you organise your school's Challenge Day, including promotional posters, instructions, a top score poster, and of course certificates, please refer to the separate PlayLive Challenge Topical Resources pack.

## What Does This Pack Include?

In this pack, you will find practical activity ideas for you to undertake with your classes, as well as high quality worksheets, which will help your students build on their existing subtraction skills.

The worksheets, which come with answer sheets, become gradually more difficult as they progress, and include materials suitable for all primary school students.

## Activity Idea

### THREE MAGIC NUMBERS

If your students are learning how to subtract, take a look at the below activity idea...

#### What You'll Need:

- A list of mixed numbers in a pot

6 9 2 10 1 3 6 8 2

$\_ + \_ = \_$        $\_ - \_ = \_$        $\_ \times \_ = \_$

#### How to Play:

1. Students are to each choose three numbers out of a pot.
2. Then, ask them to write three sums using those numbers, e.g. they get the numbers 6, 4 and 2. They could do the sums  $6-2=4$  and  $6-4=2$ .
3. Once they have completed their sums, share them with the rest of the class.

Continued...

# PlayLive Challenge Week: Day 2 Worksheets (continued)

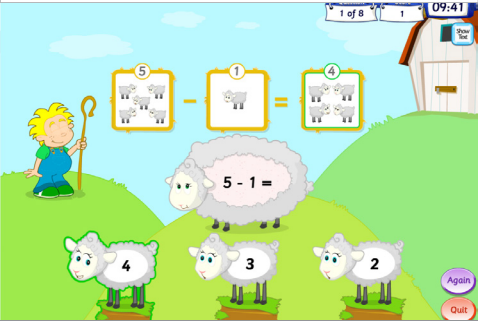
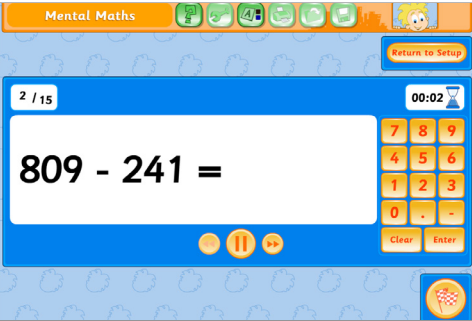
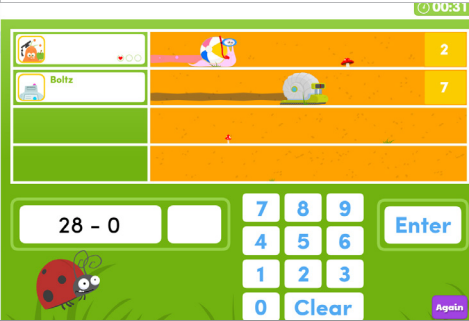
## Worksheets

To go to the content, simply click on the title in the index below:

5-7 YEAR OLDS	
<b>Dungeon Run</b>	
<p><b>Learning Objective:</b> Number – Addition and Subtraction</p> <p>Solve problems with addition and subtraction: applying their increasing knowledge of mental and written methods.</p>	<ul style="list-style-type: none"> <li>• Activity Sheet</li> <li>• Activity Sheet with Answers</li> <li>• ThinkIt</li> </ul>
7-9 YEAR OLDS	
<b>Card Clash</b>	
<p><b>Learning Objective:</b> Number – Addition and Subtraction</p> <p>Add and subtract numbers mentally, including a three-digit number and tens.</p>	<ul style="list-style-type: none"> <li>• Activity Sheet</li> <li>• Activity Sheet with Answers</li> <li>• ThinkIt</li> </ul>
9-11 YEAR OLDS	
<b>Wheel Subtraction</b>	
<p><b>Learning Objective:</b> Addition, Subtraction, Multiplication and Division</p> <p>Perform mental calculations, including with mixed operations and large numbers.</p>	<ul style="list-style-type: none"> <li>• Activity Sheet</li> <li>• Activity Sheet with Answers</li> </ul>

## Other Resources Linking to the Theme

Before deciding what to include in your lesson, check out our online content relating to subtraction too. It's simple to find, just enter the name in EducationCity's Search tool!

Activities: Educational Content	Topic Tool: Explore Concepts as a Class	PlayLive: Interactive and Competitive Games
<p><b>Mummy Sheep</b></p> <p>Content ID: 1835</p>	<p><b>Mental Maths</b></p> <p>Content ID: 1963-1964, 1967-1968</p>	<p><b>PlayLive Subtraction</b></p> <p>Content ID: 25977-25978, 25980, 25991-25995</p>
 <p>Work with your students to check which number sentences are correct by adding and subtracting numbers up to 20.</p>	 <p>Set up a customised mental maths test for your students focusing just on subtraction!</p>	 <p>Release your students onto PlayLive Subtraction to answer as many questions as they can before the timer runs out.</p>

## Enjoyed these resources?

Why not start a free trial of the full EducationCity resource and see what else we can offer you?

Email us at [trials@EducationCity.com](mailto:trials@EducationCity.com)  
or call us on +44 (0)1572 725080!



Name: \_\_\_\_\_ Class: \_\_\_\_\_

Use the space below each question to work out the answer.

1 64 minus 23 equals what number?

\_\_\_\_\_

2 62 minus 13 equals what number?

\_\_\_\_\_

3 What is 34 take away 12?

\_\_\_\_\_

4 What is 68 take away 35?

\_\_\_\_\_

5 How many more than 23 is 47?

\_\_\_\_\_

6 How many more than 35 is 59?

\_\_\_\_\_

7 What is the difference between 86 and 49?

\_\_\_\_\_

8 What is the difference between 34 and 87?

\_\_\_\_\_

9 What is 73 subtract 45?

\_\_\_\_\_

10 What is 53 subtract 21?

\_\_\_\_\_





Name: \_\_\_\_\_ Class: \_\_\_\_\_

Use the space below each question to work out the answer.

**11** Take 12 from 45.

\_\_\_\_\_

**12** Take 24 from 83.

\_\_\_\_\_

**13** What is 18 less than 51?

\_\_\_\_\_

**14** What is 21 less than 86?

\_\_\_\_\_

**15** How many less than 92 is 67?

\_\_\_\_\_

**16** How many less than 84 is 28?

\_\_\_\_\_

**17** What is 62 minus 23?

\_\_\_\_\_

**18** What is 73 minus 17?

\_\_\_\_\_

**19** Subtract 46 from 91.

\_\_\_\_\_

**20** Subtract 15 from 79.

\_\_\_\_\_





Name: \_\_\_\_\_ Class: \_\_\_\_\_

Use the space below each question to work out the answer.

1 64 minus 23 equals what number?

41

2 62 minus 13 equals what number?

49

3 What is 34 take away 12?

22

4 What is 68 take away 35?

33

5 How many more than 23 is 47?

24

6 How many more than 35 is 59?

24

7 What is the difference between 86 and 49?

37

8 What is the difference between 34 and 87?

53

9 What is 73 subtract 45?

28

10 What is 53 subtract 21?

32





Name: \_\_\_\_\_ Class: \_\_\_\_\_

Use the space below each question to work out the answer.

11 Take 12 from 45.

33

12 Take 24 from 83.

59

13 What is 18 less than 51?

33

14 What is 21 less than 86?

65

15 How many less than 92 is 67?

25

16 How many less than 84 is 28?

56

17 What is 62 minus 23?

39

18 What is 73 minus 17?

56

19 Subtract 46 from 91.

45

20 Subtract 15 from 79.

64



Name : \_\_\_\_\_

Class: \_\_\_\_\_

Each number in the puzzle is **less than 100**  
and each number **ends in zero**.  
We both got different answers.

Which one of us is correct?

20	+	40	= 60
-		-	
10	+	20	= 30
= 10		= 20	

	+		= 60
-		-	
	+		= 30
= 10		= 20	

30	+	30	= 60
-		-	
20	+	10	= 30
= 10		= 20	

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Name: \_\_\_\_\_ Class: \_\_\_\_\_

Write the missing numbers in these sequences.

1 562 — 572 — 582 —  —  —  — 622

2 349 — 339 — 329 —  —  —  — 289

Calculate.

3  $425 + 60 =$  \_\_\_\_\_

4  $368 + 30 =$  \_\_\_\_\_

5  $744 - 20 =$  \_\_\_\_\_

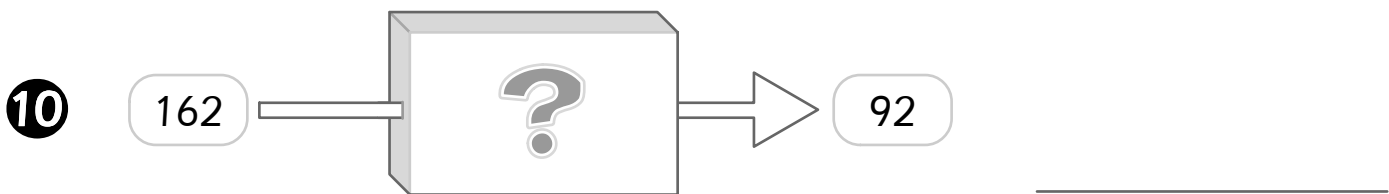
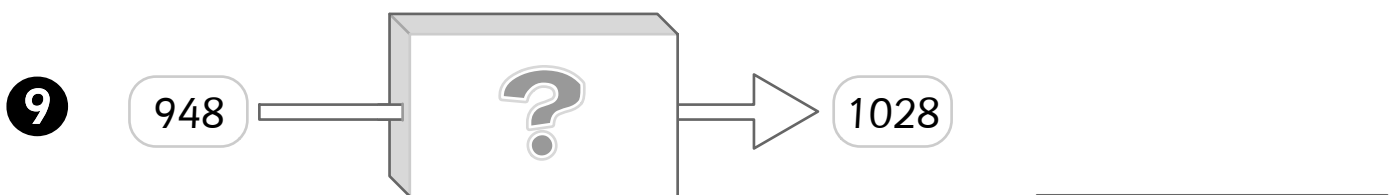
6  $281 - 70 =$  \_\_\_\_\_

7  $572 + 40 =$  \_\_\_\_\_

8  $617 - 50 =$  \_\_\_\_\_



What operation and number goes in each of these machines?





Name: \_\_\_\_\_ Class: \_\_\_\_\_

Write the missing numbers in these sequences.

1    562 — 572 — 582 — **592** — 602 — 612 — 622

2    349 — 339 — 329 — **319** — 309 — 299 — 289

Calculate.

3     $425 + 60 =$                       **485**

4     $368 + 30 =$                       **398**

5     $744 - 20 =$                       **724**

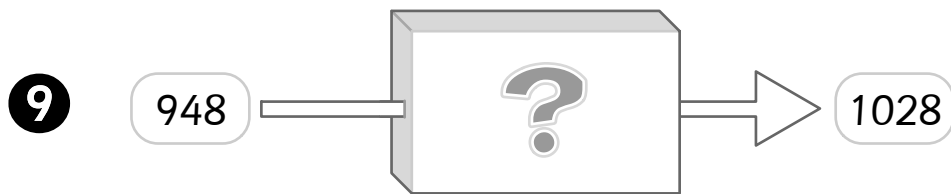
6     $281 - 70 =$                       **211**

7     $572 + 40 =$                       **612**

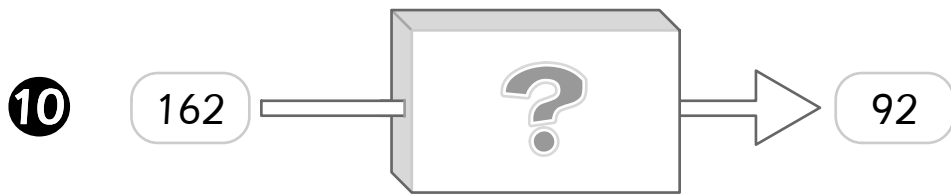
8     $617 - 50 =$                       **567**



What operation and number goes in each of these machines?



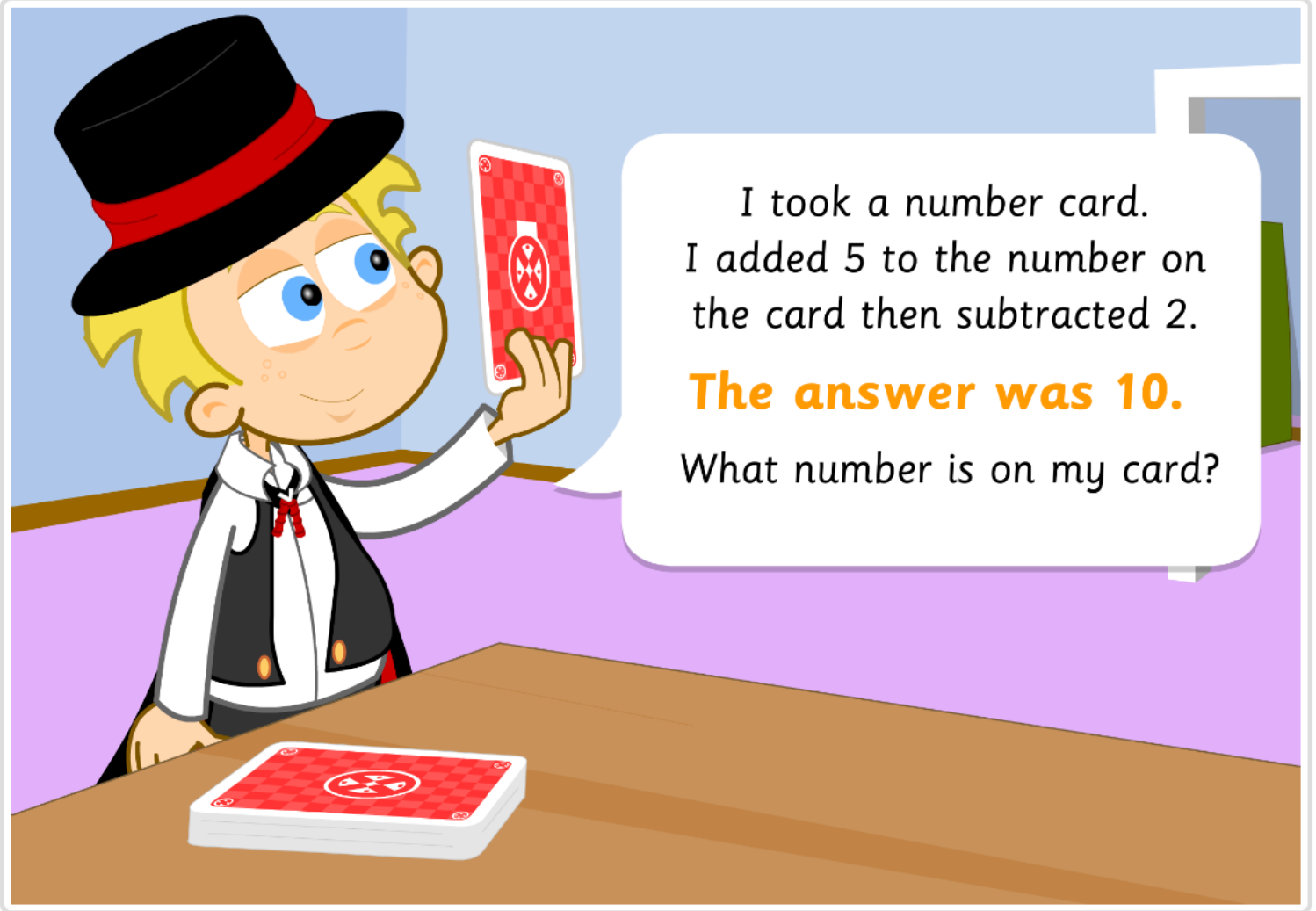
\_\_\_\_\_ + 80



\_\_\_\_\_ - 70

Name : \_\_\_\_\_

Class: \_\_\_\_\_




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Name : \_\_\_\_\_

Class: \_\_\_\_\_

You could find my  
number by working  
**backwards**.



**10** plus **2** equals **12**.

**12** minus **5** equals **7**.



Name: \_\_\_\_\_ Class: \_\_\_\_\_

Complete these subtraction calculations.

1  $3,546 - 1,470 =$  \_\_\_\_\_

2  $8,845 - 5,360 =$  \_\_\_\_\_

3  $18,654 - 5,320 =$  \_\_\_\_\_

4  $56,789 - 8,350 =$  \_\_\_\_\_

5  $68,249 - 33,670 =$  \_\_\_\_\_

6  $69,134 - 25,840 =$  \_\_\_\_\_

7  $84,695 - 25,310 =$  \_\_\_\_\_

8  $54,581 - 11,160 =$  \_\_\_\_\_

9  $95,264 - 12,330 =$  \_\_\_\_\_

10  $62,984 - 36,110 =$  \_\_\_\_\_

11  $78,951 - 15,160 =$  \_\_\_\_\_

12  $326,542 - 12,620 =$  \_\_\_\_\_

13  $584,695 - 12,310 =$  \_\_\_\_\_

14  $945,264 - 22,350 =$  \_\_\_\_\_

15  $6,425 - 200 - 10 =$  \_\_\_\_\_

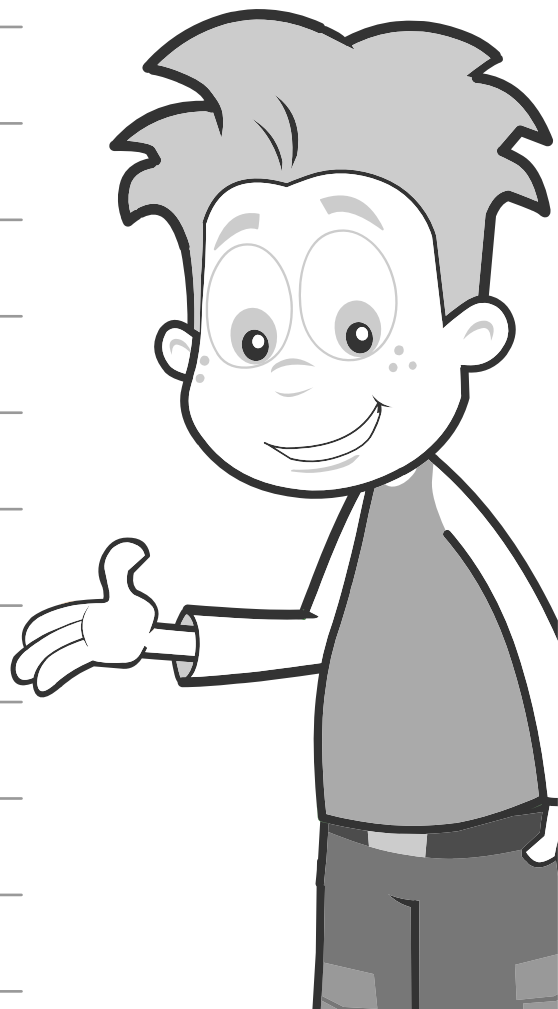
16  $3,895 - 400 - 20 =$  \_\_\_\_\_

17  $2,456 - 200 - 30 =$  \_\_\_\_\_

18  $5,362 - 2,000 - 20 =$  \_\_\_\_\_

19  $8,256 - 5,000 - 10 =$  \_\_\_\_\_

20  $4,596 - 3,000 - 30 =$  \_\_\_\_\_





Name: \_\_\_\_\_ Class: \_\_\_\_\_

Complete these subtraction calculations.

1  $3,546 - 1,470 =$  2,076

2  $8,845 - 5,360 =$  3,485

3  $18,654 - 5,320 =$  13,334

4  $56,789 - 8,350 =$  48,439

5  $68,249 - 33,670 =$  34,579

6  $69,134 - 25,840 =$  43,294

7  $84,695 - 25,310 =$  59,385

8  $54,581 - 11,160 =$  43,421

9  $95,264 - 12,330 =$  82,934

10  $62,984 - 36,110 =$  26,874

11  $78,951 - 15,160 =$  63,791

12  $326,542 - 12,620 =$  313,922

13  $584,695 - 12,310 =$  572,385

14  $945,264 - 22,350 =$  922,914

15  $6,425 - 200 - 10 =$  6,215

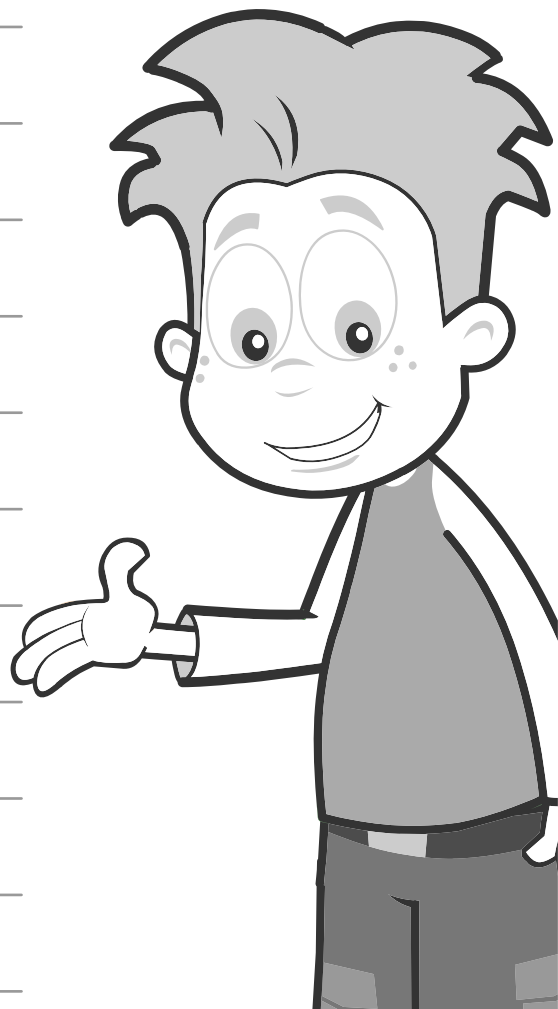
16  $3,895 - 400 - 20 =$  3,475

17  $2,456 - 200 - 30 =$  2,226

18  $5,362 - 2,000 - 20 =$  3,342

19  $8,256 - 5,000 - 10 =$  3,246

20  $4,596 - 3,000 - 30 =$  1,566



# About EducationCity

EducationCity produces fun, educational materials to engage students in learning and empower teachers to tailor their teaching. [Take a look at how EducationCity can support teachers and students in the classroom:](#)



## Target Lesson Objectives Easily

Find relevant content that links to the Curriculum for Excellence by using our Curriculum Map or Search tool.

Comprehensive and clearly organised by strand, content is so easy to access!



## Plan in Advance

When planning lessons, teachers can choose Activities in advance and put them into a MyCity so they're easy for students to access. Choose a meaningful name for each MyCity and they can update and retrieve them year after year!



## Differentiated Teaching

Monitor progress with SuccessTracker and teachers can identify the strengths and areas of development for each student and so choose relevant activities to help them progress.



## Flexible Learning

EducationCity is accessible via desktops, laptops, tablets and whiteboards, so can support teachers and students whatever equipment is available in their classroom.



## Lesson Plans

Teachers can access our ready-made Lesson Plans, topical content and teacher resources to support teaching and learning in the classroom.

There's more to EducationCity than Activities alone!



## Blog

Helps teachers keep abreast of events in the teaching arena and changes to the resource, as well as how EducationCity is supporting the education community.



**“Teachers have been delighted with the content of this package and most impressed with how easy it is to find appropriate learning and teaching resources and then to use them in a variety of ways.”**

**Mark Sanderson,**

Senior ICT Consultant, Herefordshire Learning and Achievement Service

## Want to find out more about EducationCity?

Ask your school about EducationCity to see if they've considered using it as a resource in school. To take a free trial, all they need to do is call us on +44 (0)1572 725080 or email [trials@EducationCity.com](mailto:trials@EducationCity.com)

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