

NAME: .....

FORM: .....



# Instruments

of the

# Orchestra

Homework Book





Most of the information, audio clips, pictures, videos and tests for this topic are found at:

[turton.musicfirst.co.uk](http://turton.musicfirst.co.uk)

We have designed the pages specifically to match these Turton lessons.

My username is my dinnercard number .....

My password is my birthdate (8 digits): .....

The resources include:

Information on each family & each instrument

Audio clips and pictures of each instrument

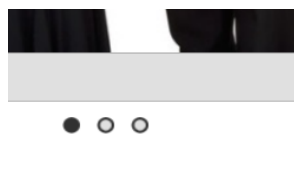
At the end of most lessons there is a test on that section of the topic. You will need to do this 'test' as part of the lesson and record your % score on the next page on the right.

## INSTRUCTIONS for changing pages & sections on the musicfirst website

You will need these instructions for all homeworks in this booklet.

Follow the lesson & listen to the clips.

Make sure you read all the pages – there are small blobs in the centre at the bottom for **page turns**.



blobs in the centre at the

After you have read each page (normally 4 or 5)

click on the **red 'continue'** to move on to the next section



You must click on the **tabs** (top right)



to see videos & printed music etc.

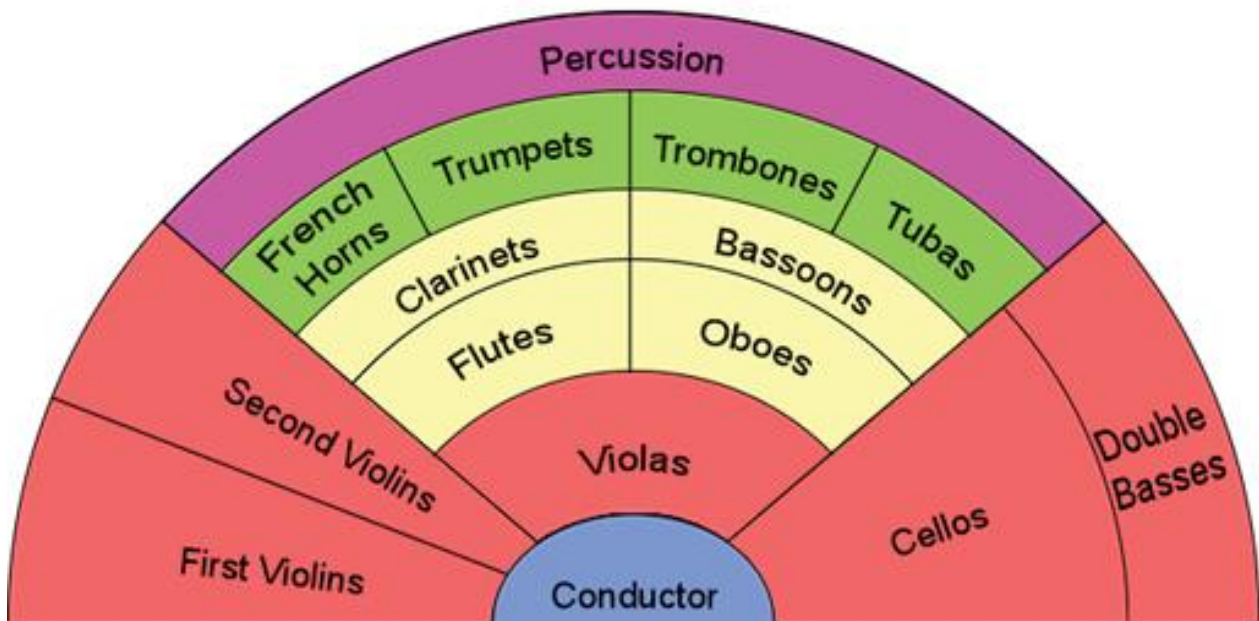
# Homework checklist & Test Marks

	TOPIC	Tick done	Marks & Test scores
H1	<b>Sections of the Orchestra</b> Work in the booklet		
H2	<b>Woodwind</b> – Q in booklet		<b>/12</b>
H3	<b>Woodwind</b> – Listening Test *		<b>%</b>
H3	<b>Woodwind</b> – Online Test *		<b>%</b>
H4	<b>Brass</b> – Q in booklet		<b>/12</b>
H5	<b>Brass</b> – Listening Test *		<b>%</b>
H5	<b>Brass</b> – Online Test *		<b>%</b>
H6	<b>Strings</b> – Q in booklet		<b>/12</b>
H7	<b>Strings</b> – Listening Test *		<b>%</b>
H7	<b>Strings</b> – Online Test *		<b>%</b>
H8	<b>Percussion</b> – Q in booklet		<b>/12</b>
H9	<b>Percussion</b> – Listening Test *		<b>%</b>
H9	<b>Percussion</b> – Online Test *		<b>%</b>
CT1	<b>Class Test 1</b> on woodwind & brass		<b>/10</b>
CT2	<b>Class Test 2</b> on strings & percussion		<b>/10</b>
CT3	<b>Class Test 3</b> on orchestra		<b>/10</b>
LT3	Listening Practice <b>Test 1</b>		<b>/12</b>
LT2	Listening Practice <b>Test 2</b>		<b>/12</b>

\* = test on [turton.musicfirst.co.uk](http://turton.musicfirst.co.uk)

# Homework 1 Sections of the Orchestra

## Sections of the Orchestra



There are 4 sections in an orchestra:

**Strings**

**Woodwind**

**Brass**

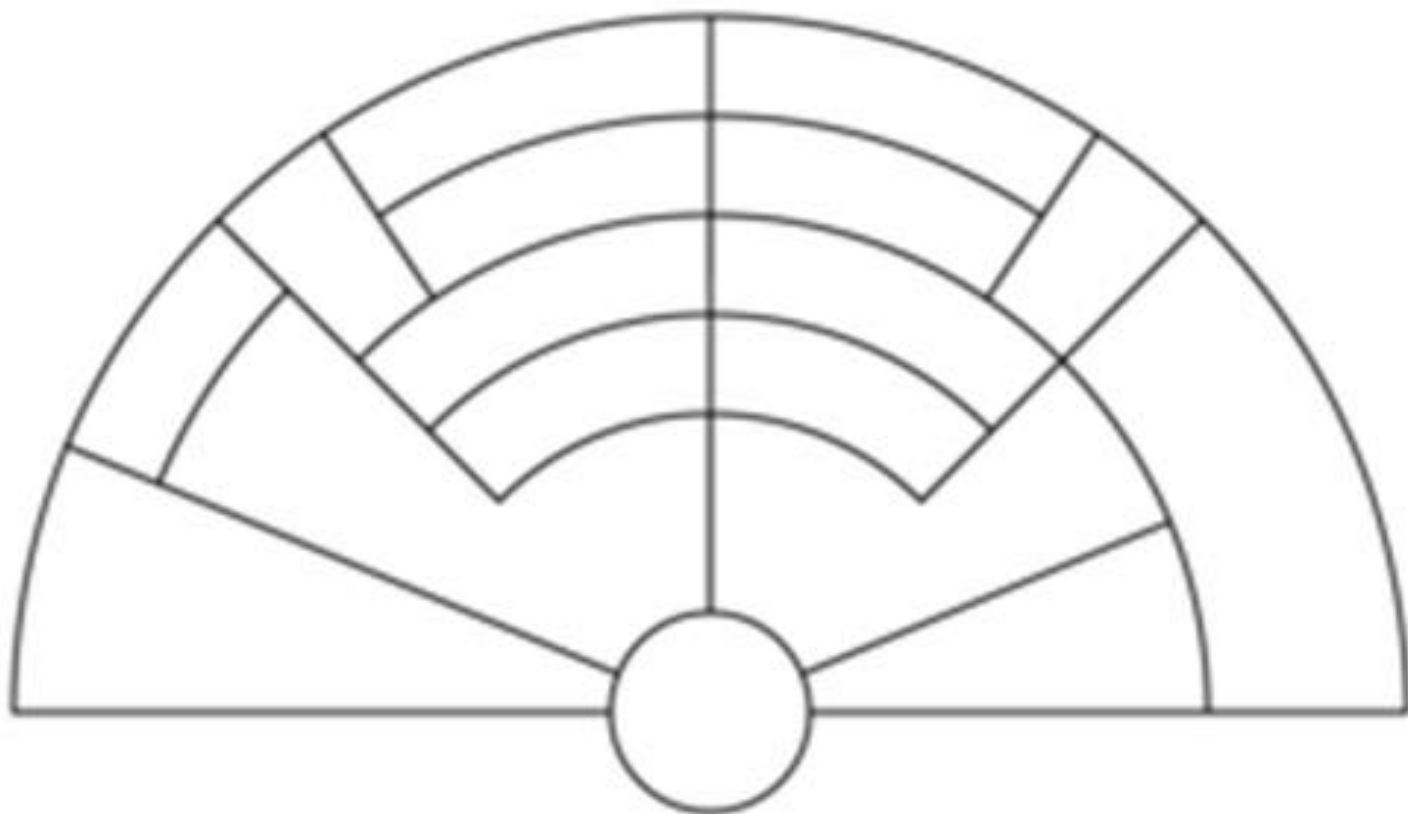
**Percussion**

The **String** family has the largest number of players (c 40) and sit at the front.

The **Woodwind** usually have at least 8 players and sit the in the middle.

The **Brass** usually have around 10 players and, as the loudest, sit at the back.

**Percussion** players often have to move about when playing so stand behind the brass.



Here is a very **similar** seating plan. Follow the instructions and place the instruments in the correct places by **writing their names in the shapes**.

STRINGS	PLACE
1 <sup>st</sup> violins	front left
2 <sup>nd</sup> violins	next to 1 <sup>st</sup> violins
cellos	front right
violas	next to cellos at the front
double basses	behind the cellos
WOODWIND	
flutes	behind 2 <sup>nd</sup> violins / centre L
oboes	behind violas / centre R
clarinets	behind flutes, to L of bassoons
bassoons	behind oboes, to R of clarinets
BRASS	
horns	behind clarinets
trumpets	to R of horns, behind bassoons
trombones & tuba	back right, behind trumpets
PERCUSSION	
percussion	back left behind horns
timpani (large drums)	square on its own at the back
harp	square next to horns
piano (if needed)	behind 2 <sup>nd</sup> violins

# The 4 sections of the orchestra

Who belongs in each section? Can you sort out this mixed up list of instruments and write them into the correct family boxes?

## Instruments

Flutes

Cellos

1<sup>st</sup> violins

Trombones

Clarinets

Percussion & Timpani

Horns

Oboes

Violas

Double Basses

Trumpets

Bassoons

Tuba

Harp

2<sup>nd</sup> violins

Piano

## STRINGS

## WOODWIND

## BRASS

## PERCUSSION

## Homework 2

# The Woodwind

### TASK:

- 1) Go to [turton.musicfirst.co.uk](http://turton.musicfirst.co.uk)
- 2) Type in your login details (turn back to page 2 to check)
- 3) Click on *Focus on Sound/ My Class* / then **Woodwind stage 1**
- 4) Follow the online lesson through and answer the questions in this booklet below. The answers are all on the pages of the website lesson.

	Questions	Your answers
1	Name the 4 different woodwind instruments in the orchestra.	
2	How many flutes are there normally in an orchestra?	
3	Which piece do the woodwind play on the first page of information?	
4	Sometimes there is an extra small flute that can play even higher notes. What is it called?	
5	Flutes are now made out of metal but were originally made out of? (see page 2 of the online info)	
6	Flute notes are usually? (circle the answer)	mainly high pitch / very low / very loud
7	What sort of reed does the Oboe use?	
8	What are the metal buttons on woodwind instruments called?	

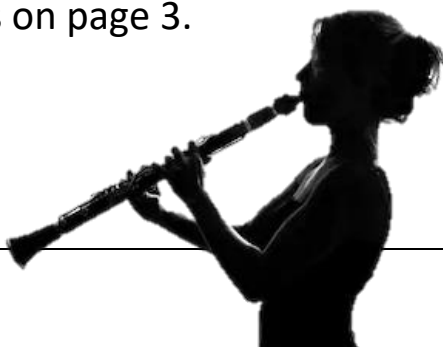
9	Which is correct for the Oboe? (circle the answer)	fairly high pitch / fairly low pitch
10	What sort of reed does a Clarinet use?	
11	Like the oboe, the bassoon uses what sort of reed?	
12	The bassoon is the largest instrument in the woodwind family and so makes the .....? sounds	



## Homework 3

### TASK:

- 1) Go to [turton.musicfirst.co.uk](http://turton.musicfirst.co.uk)
- 2) Type in your login details (turn back to page 2 to check)
- 3) Click on *Focus on Sound/ My Class* / then **Woodwind stage 1**
- 4) Take the **listening test on woodwind** (you have to listen to the audio clips and drag the correct instrument name into each box)
- 5) Then take the **other test on woodwind features** (it's click and drag again)
- 6) **Record your 2 scores** in the woodwind score boxes on page 3.





## Homework 4

# The Brass

### TASK:

- 1) Go to [turton.musicfirst.co.uk](http://turton.musicfirst.co.uk)
- 2) Type in your login details (turn back to page 2 to check)
- 3) Click on *Focus on Sound/ My Class* / then **Brass stage 1**
  
- 4) Follow the online lesson through and answer the questions in this booklet below. The answers are all on the pages of the website lesson.

	Questions	Your answers
1	Name the 4 different brass instruments in the orchestra.	
2	How many horns are there normally in an orchestra?	
3	Which other family of instruments can you hear in the brass piece on page 1 of the brass info?	
4	Brass players all produce sound by doing what with their lips into the mouthpiece?	
5	What are the 3 'buttons' called on a trumpet? (see page 2 of the online info)	
6	The Trumpet plays the ? in the brass section (circle the answer)	Quietest notes / highest notes / lowest
7	All brass instruments are made from	
8	Why is it that the horn players lower sounds than the trumpet? (see page 3 of the online info)	

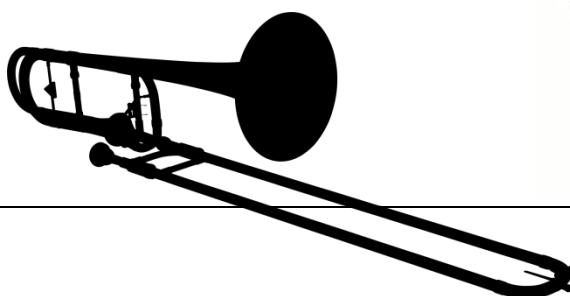
9	Which is correct for the trombone? (circle the answer)	uses 3 valves / has a slide / has keys
10	What sort of pitch does the trombone play? (circle the answer)	high / very low / medium low
11	Why does the tuba produce the lowest sounds in the brass family?	
12	The sound comes out of the 'bell' but starts with the player's lips buzzing into the ?	tubing / mouthpiece / slide



## Homework 5

### TASK:

- 5) Go to [turton.musicfirst.co.uk](http://turton.musicfirst.co.uk)
- 6) Type in your login details (turn back to page 2 to check)
- 7) Click on *Focus on Sound/ My Class* / then **Brass stage 1**
- 8) Take the **listening test on brass** (you have to listen to the audio clips and drag the correct instrument name into each box)
- 9) Then take the **other test on brass features**  
(it's click and drag again)
- 10) **Record your 2 scores** in the brass score boxes on page 3.



## Homework 6

# The Strings

### TASK:

- 1) Go to [turton.musicfirst.co.uk](http://turton.musicfirst.co.uk)
- 2) Type in your login details (turn back to page 2 to check)
- 3) Click on *Focus on Sound/ My Class* / then **Strings stage 1**
- 4) Follow the online lesson through and answer the questions in this booklet below. The answers are all on the pages of the website lesson.

	Questions	Your answers
1	Name the 4 string instruments that look the same except for their size.	
2	The larger the string instrument the (what) the pitch? (circle the answer)	lower / higher / louder / quieter
3	If a string player is told to play 'arco' they need to use the?	
4	What is the Italian name for plucking the strings with fingers?	
5	Which is the highest pitched string instrument? (see page 2 of the online info)	
6	What does the wooden box shaped body of a string instrument do to the sound?	
7	What is the difference between a viola and a violin – both the look & the sound?	

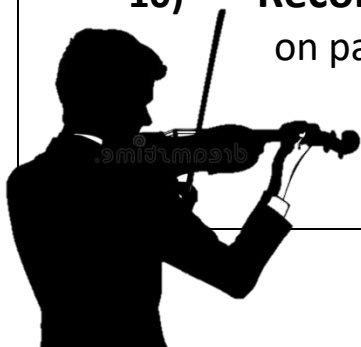
8	Which piece of music did the cello play? (circle the answer – on pg3 online)	Ed Sheeran 'Perfect' / Pachelbel 'Cannon'
9	Which is the lowest string instrument?	
10	Could a harp player use a bow?	
11	How many strings does a harp usually have?	
12	Which 2 string instruments do you have to sit down to play?	



## Homework 7

### TASK:

- 5) Go to [turton.musicfirst.co.uk](http://turton.musicfirst.co.uk)
- 6) Type in your login details (turn back to page 2 to check)
- 7) Click on *Focus on Sound/ My Class* / then **Strings stage 1**
- 8) Take the **listening test on strings** (you have to listen to the audio clips and drag the correct instrument name into each box)
- 9) Then take the **other test on strings features** (it's click and drag again)
- 10) **Record your 2 scores** in the strings score boxes on page 3.



## Homework 8

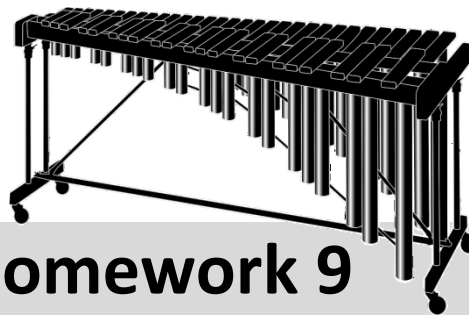
# Percussion

### TASK:

- 1) Go to [turton.musicfirst.co.uk](http://turton.musicfirst.co.uk)
- 2) Type in your login details (turn back to page 2 to check)
- 3) Click on *Focus on Sound/ My Class* / then **Percussion stage 1**
- 4) Follow the online lesson through and answer the questions in this booklet below. The answers are all on the pages of the website lesson.

	Questions	Your answers
1	Name 6 percussion instruments often seen in an orchestra.	
2	Music written in the last 100-200 years often has more percussion than music written before 1800?	true / false
3	To produce sound on percussion you normally need to do what to it?	blow / scrape / hit / press
4	What does the pedal on a timpani do? (see page 2 of the online info)	
5	Which 2 drums produce the lowest sounds in the orchestra?	
6	Which drum has metal wires strapped to the bottom to produce a rattly sound?	
7	Which 2 ways can you play cymbals?	
8	The note bars on a glockenspiel are made from?	
9	The note bars on a xylophone are made from?	

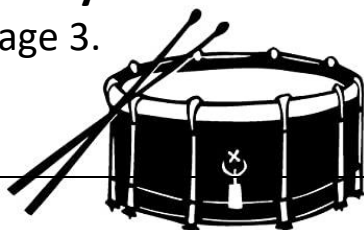
10	Out of the 6 instruments seen in the lesson – which are the best 2 for playing tunes / melodies?	
11	The note bars on the xylophone (see pic) look a bit like another instrument you know (seen every day in the music rooms)	
12	Listen to the piece with the cymbals (Ride of the Valkyries). Can you name another metal instrument playing at the same time – they are small, a special shape ... and you have all seen them!	



## Homework 9

### TASK:

- 5) Go to [turton.musicfirst.co.uk](http://turton.musicfirst.co.uk)
- 6) Type in your login details (turn back to page 2 to check)
- 7) Click on *Focus on Sound/ My Class /* then **Percussion stage 1**
- 8) Take the **listening test on percussion** (you have to listen to the audio clips and drag the correct instrument name into each box)
- 9) Then take the **other test on percussion features** (it's click and drag again)
- 10) **Record your 2 scores** in the percussion score boxes on page 3.



# Homework 10 – Key points for Revision

## WOODWIND

<b>Flute</b>	Produces sound like blowing across a bottle. It is the highest woodwind instrument (except for its little <b>Piccolo</b> cousin).
<b>Oboe</b>	Uses a double reed. Has a clear reedy sound (fairly high pitch).
<b>Clarinet</b>	Uses a single reed. Has a woody medium pitched sound.
<b>Bassoon</b>	Uses a double reed. Is the lowest & largest member of the woodwind.

## BRASS

<b>Mouthpiece</b> <b>Bell</b> <b>Lips</b>	Brass players produce notes by buzzing their lips into a metal mouthpiece. The sound is amplified (made louder) by the bell at the other end.
<b>Trumpet</b>	The highest, brightest brass instrument. Uses 3 valves.
<b>Horn</b>	Medium pitch. Uses valves
<b>Trombone</b>	Medium / low pitch. Uses a slide.
<b>Tuba</b>	The lowest pitched brass instrument. Uses 3 valves.

## STRING

<b>Bow / Pluck</b>	Most string instruments work in the same way, but come in different sizes. You can play them with a bow (arco) or pluck the strings (pizzicato).
<b>Violin</b>	The smallest and highest string instrument.
<b>Viola</b>	The same as a violin but a little bigger so a little lower (medium pitch)
<b>Cello</b>	Sit to play. Medium / low pitch.
<b>Double Bass</b>	Sit or stand to play. The largest & lowest string instrument.
<b>Harp</b>	Has about 47 strings and 9 pedals. Always played plucked. V hard to play.

## PERCUSSION

<b>Timpani</b>	Large tuned drums – can play different notes. Change notes with pedal.
<b>Bass Drum</b>	Large low drum (deep & boomy)
<b>Snare Drum</b>	Small drum with metal wires strapped across the bottom skin – rattly.
<b>Cymbals</b>	Metal discs – Either hit 2 together or play one with a stick.
<b>Xylophone</b>	Wooden bars played with sticks. Similar note shapes to a keyboard
<b>Glockenspiel</b>	Metal bars played with sticks. Similar note shapes to a keyboard. Bell-like

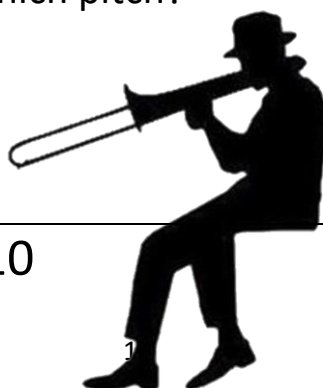
# Class Test 1 – Woodwind & Brass

1	Which is the lowest woodwind instrument?	
2	Which is the highest pitched brass instrument	
3	The clarinet is the only woodwind instrument in the orchestra to use a single reed.	True / False
4	What is the extra small flute called?	
5	Name the only brass instrument without valves?	
6	What buzzes to cause vibrations to make the sound for brass players?	
7	Name 2 woodwind instruments that use a double reed.	
8	Name the lowest pitched brass instrument	
9	Which woodwind instrument does not use a reed?	
10	The horn plays at which pitch?	Low / Medium / High



Total

/10





## Class Test 2 – Strings & Percussion

1	Which is the lowest string instrument?	
2	Which is the highest pitched string instrument	
3	The harp is the only string instrument in the orchestra where you have to sit down to play	True / False
4	String players sometimes use their fingers to pluck the strings, but mainly play using a	
5	Timpani are 'tuned' percussion because they can play different notes	True / False
6	Which tuned percussion instrument uses wooden bars – xylophone or glockenspiel?	
7	Which percussion instrument makes the deepest, lowest sounds	
8	What is the instrument called that looks like a violin but is a little larger (and lower).	
9	Which drum has wires strapped underneath to make it rattle?	
10	Can you remember the Italian word that means pluck the string with your finger? 'p...'	

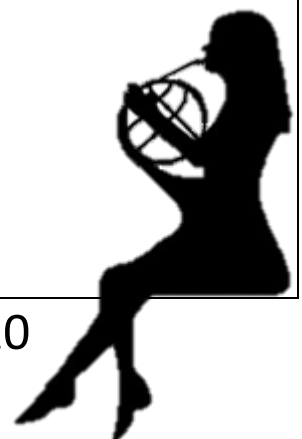


Total

/10

# Class Test 3 – Orchestra

1	Where do the violins sit in an orchestra?	
2	Which is the only string instrument in an orchestra that never uses a bow?	
3	The brass and Percussion are the loudest sections in the orchestra.	True / False
4	Which 2 woodwind instruments use a double reed?	
5	Name 2 tuned percussion instruments.	
6	Which string instrument plays the lowest pitches?	
7	Trumpet, Horn, Tuba, Trombone is the correct order of brass from high to low?	True / False
8	Violin, Cello, Double Bass, Harp Which string instrument have I missed out?	
9	Arco & Pizzicato mean what	
10	Circle the total number of woodwind usually found in an orchestra?	4 / 8 / 16



Total

/10

# Listening Test Practice 1 + 2 (LT1 / LT2)

The teacher will play these clips in class – or they might ask you to find them at

turton.musicfirst.co.uk website - 'Focus on Sound' / My class / .....

Simply name the solo instrument in each audio clip.

There are 2 different practice tests to try.

## Y7 Instrument Practice 1

## Y7 Instrument Practice 2

1			1	
2			2	
3			3	
4			4	
5			5	
6			6	
7			7	
8			8	
9			9	
10			10	
11			11	
12			12	

# Review



Rate your skills!

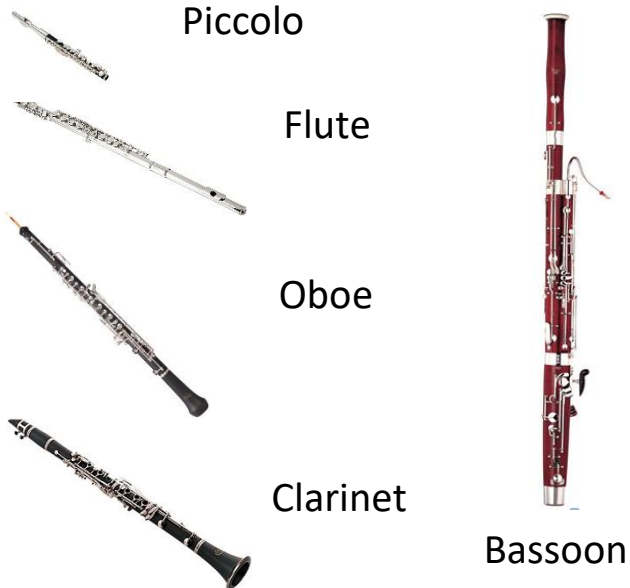
From 1 for 'need lots more practice' up to 5 for 'I'm pretty confident'!

Topic	Level 1 - 5
Do you feel you can talk about the instruments in an orchestra?	
I can list the <b>woodwind</b> instruments and describe them	
I can list the <b>brass</b> instruments and describe them	
I can list the <b>string</b> instruments and describe them	
I can list the <b>percussion</b> instruments and describe them	
I can identify the <b>woodwind</b> instruments <b>by sound</b>	
I can identify the <b>brass</b> instruments <b>by sound</b>	
I can identify the <b>string</b> instruments <b>by sound</b>	
I can identify the <b>percussion</b> instruments <b>by sound</b>	

What do you need to work most on before the end of year test?

# Pictures and Pitches

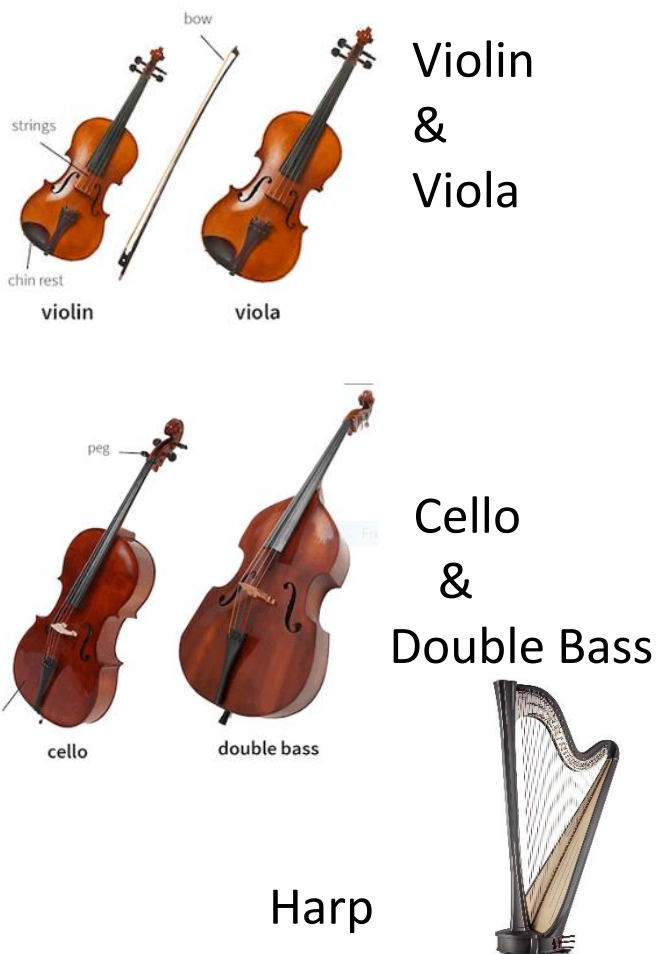
## Woodwind (high – low)



## Brass (high – low)



## Strings (high – low)



## Percussion



