

CHILDREN'S QUESTIONNAIRE PRE-PROGRAMME – 2016-2017

*Code:

*My name is.....

I'm a...

- Girl Boy

*I'm in...

- Year 4 Year 5 Year 6

Please tick the topic you are doing:

- Kitchen Concoctions A Pinch of Salt
- Water for Industry Exploring Colour and Industry
- Making Catalysts Electricity
- Cough Syrup Plastics Playtime

All of the questions below are about how you feel about science and industry. Try and answer as many as you can with **your ideas**.

Industry includes all the places that make things like plastic bags, mars bar wrappers, paints, cough medicine, antibiotics, petrol, and many other everyday things we use.

Tick a box for each question, which says how you feel about science:

	Yes	No	I don't know
I like science			
I'd like to be a scientist			
Science is too difficult			
Scientists are important in industry			
We do too much writing in science			
I like watching science programmes on TV			
I like doing science experiments at home			
We do too much science in school			
School science clubs are a good idea			
We have to do too much work in science			
I like reading science stories			

Add anything else that you would like to say about science:

.....

.....

Tick a box for each question, which says how you feel about industry:

	Yes	No	I don't know
Industry is useful			
Industry is safe			
Many scientists work in industry			
Industry is dangerous			
Industry causes pollution			
Many engineers work in industry			
I learn about industry from TV			
Young people work in industry			
I learn about industry from my teachers			
Scientists have important jobs in industry			
Our lives would be worse without industry			
There are women scientists and engineers			
Industry makes things we need			
Engineers have important jobs in industry			
I could work in industry in the future			

Add anything else that you would like to say about industry:

.....

.....

CHILDREN'S QUESTIONNAIRE POST-PROGRAMME – 2016-2017

*Code:

*My name is.....

I'm a...

Girl

Boy

*I'm in...

Year 4

Year 6

Year 6

All of the questions below are about how you feel about science and industry. Try and answer as many as you can with **your ideas**.

Industry includes all the places that make things like plastic bags, mars bar wrappers, paints, cough medicine, antibiotics, petrol, and many other everyday things we use.

Tick a box for each question, which says how you feel about science, now you have completed the programme:

	Yes	No	I don't know
I like science			
I'd like to be a scientist			
Science is too difficult			
Scientists are important in industry			
We do too much writing in science			
I like watching science programmes on TV			
I like doing science experiments at home			
We do too much science in school			
School science clubs are a good idea			
We have to do too much work in science			
I like reading science stories			

Add anything else that you would like to say about science:

.....

.....

Tick a box for each question, which says how you feel about industry, now that you have completed the programme:

	Yes	No	I don't know
Industry is useful			
Industry is safe			
Many scientists work in industry			
Industry is dangerous			
Industry causes pollution			
Many engineers work in industry			
I learn about industry from TV			
Young people work in industry			
I learn about industry from my teachers			
Scientists have important jobs in industry			
Our lives would be worse without industry			
There are women scientists and engineers			
Industry makes things we need			
Engineers have important jobs in industry			
I could work in industry in the future			

Add anything else that you would like to say about industry:

.....

.....

Have you enjoyed working on this programme? Write down...

The thing that you enjoyed the most.....

Why?

The thing that you enjoyed the least.....

Why?

Answer 'yes', 'no', or 'don't know' to the following questions:

	Yes	No	I don't know
I learned something new			
I enjoyed the challenges			
I like science more			
I liked learning about industry			
I enjoyed doing the investigations			
I enjoyed working in a group			

Please tell us more about your answers (such as why you have enjoyed or not enjoyed):

.....

TEACHERS' QUESTIONNAIRE PRE-PROGRAMME – 2016-2017

***Code:.....**

The aims of this questionnaire are to gather teachers' views of the manufacturing industry and its links with science, and to evaluate the effectiveness of the *Children Challenging Industry* programme. Any information provided here will be used anonymously.

Please list the CIEC resource packs used in classroom sessions (up to 3):

.....

How many days have you spent doing science CPD in the last three years?

.....

Have you ever worked in the science industries?

- Yes No

School Industry Links

Does the school have a policy on external links, which includes industry?

- Yes No

Have you ever organised a visit to industry?

- Yes No

Please tick the industrial companies or link organisations with which the school already has links:

- STEMNET
- STEM Ambassadors
- Local company
- Other (please specify).....

To your knowledge, have you ever used any resources produced or sponsored by industry or industry organisations (e.g. ESERO, CIEC)?

- Yes No

Please give details.....

What are your main objectives of the programme?

Please label the following four (or five) items in order of priority (i.e. give the most important objective a '1' and the least important a '4' or '5')

	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5
For professional development (ideas for teaching science)					
To increase the children's knowledge of science					
To increase the children's knowledge of industry					
To increase my knowledge of industry					
Other					

Other (please specify):

Your views on Industry

Please complete the table below:

	Strongly agree	Partly agree	Don't know	Partly disagree	Strongly disagree
Industry produces a wide variety of useful products					
Industry causes pollution					
Industry provides many career opportunities					
I feel negative about industry					
Industry improves our quality of life					
A job in industry would be tedious					
Industry creates wealth and boosts our economy					
Industry has a negative impact on the environment					
Industry offers interesting and rewarding jobs					

TEACHERS' QUESTIONNAIRE POST-PROGRAMME – 2016-2017

***Code:**.....

The aims of this questionnaire are to gather teachers' views of the manufacturing industry and its links with science, and to evaluate the effectiveness of the *Children Challenging Industry* programme. Any information provided here will be used anonymously.

I rate this programme as:

- Excellent Good Satisfactory

Please indicate the strengths of the sessions:

- Industrial context in lessons
- Expert knowledge in science
- Practical science activities
- National Curriculum coverage (including Working Scientifically)
- Extra/new person in class
- Teaching ideas
- Children's investigative skills
- Group work
- Equipment provision
- Career aspirations
- Opportunity to observe and/or assess children

Please add any comments about the programme here:

.....
.....

Please complete the table below:

	Strongly agree	Partly agree	Don't know	Partly disagree	Strongly disagree
My knowledge of industry has improved.					
My knowledge of teaching science has improved.					
My expectations of the programme were met.					
I will use the written resources again.					
The classroom sessions offered an effective link with industry.					
The site visit reinforces the classroom sessions.					
The site visit is a valuable part of the programme.					
I am now confident to arrange visits to the manufacturing industry.					

Please use the space below to add further comments, including any suggestions to improve the programme:

.....

.....

Please complete the table below:

	Strongly agree	Partly agree	Don't know	Partly disagree	Strongly disagree
Industry produces a wide variety of useful products					
Industry causes pollution					
Industry provides many career opportunities					
I feel negative about industry					
Industry improves our quality of life					
A job in industry would be tedious					
Industry creates wealth and boosts our economy					
Industry has a negative impact on the environment					
Industry offers interesting and rewarding jobs					