Careers in the Classroom

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Think Physics

About Think Physics

Think Physics is based at Northumbria University, Newcastle

HEFCE 3 year funded project

Supporting children from pre-school through to post-16 to explore, engage and enjoy STEM subjects with specific focus on:

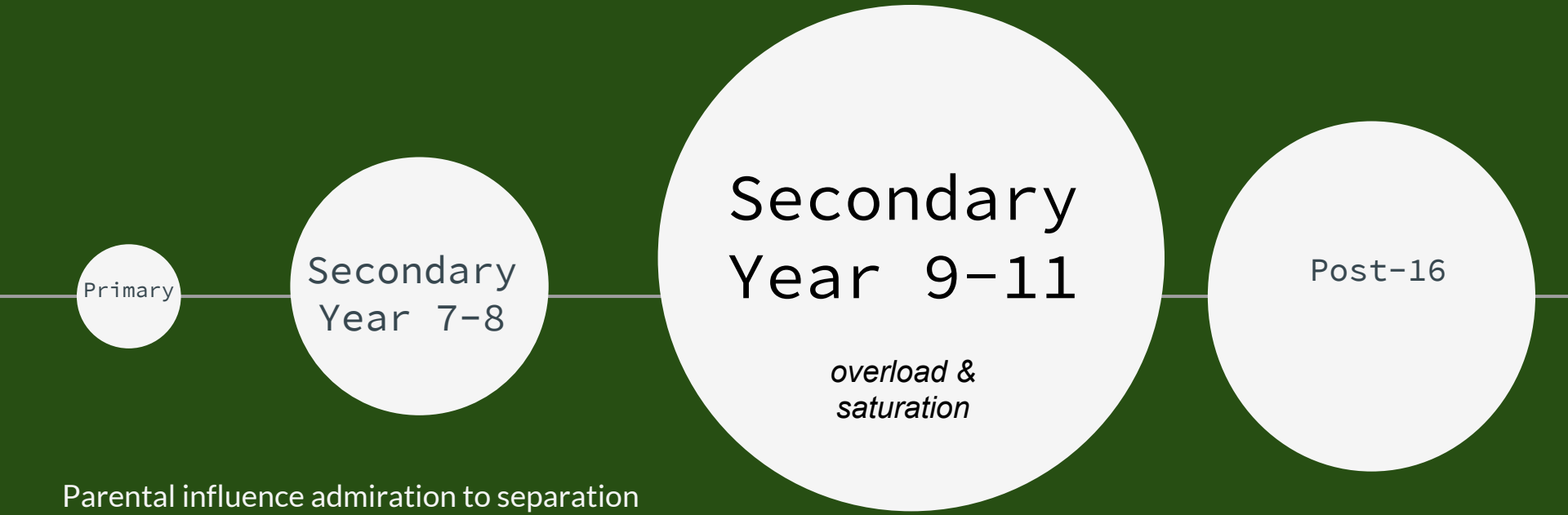
- Physics
- Females
- under represented groups
- Guidance and careers

Working with a number of partner schools with emphasis on sustained interactions

looking back...

What were your earliest career memories?

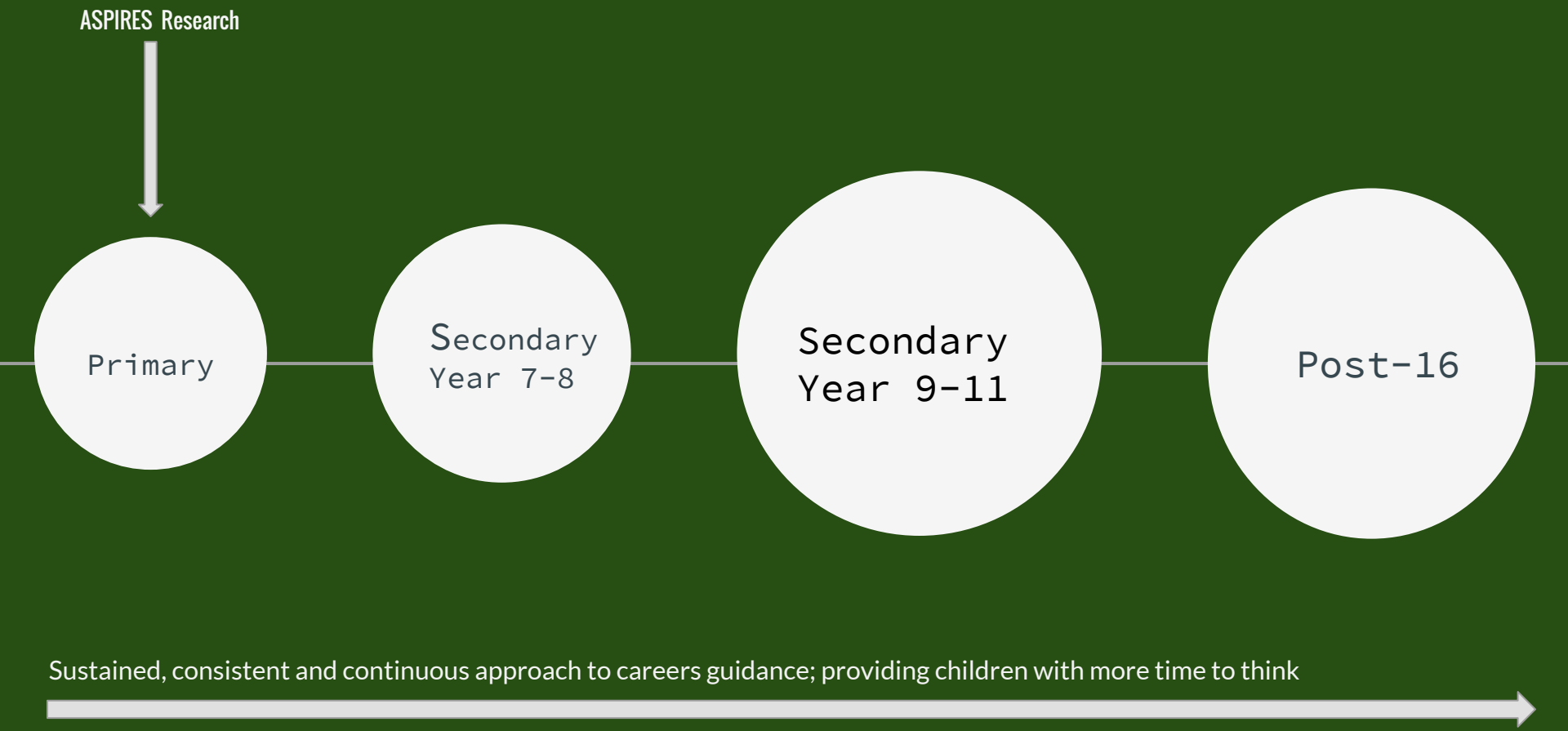
When does career guidance typically take place?



Parental influence admiration to separation

Educational, social, emotional, personal pressures and development

Spreading the load...



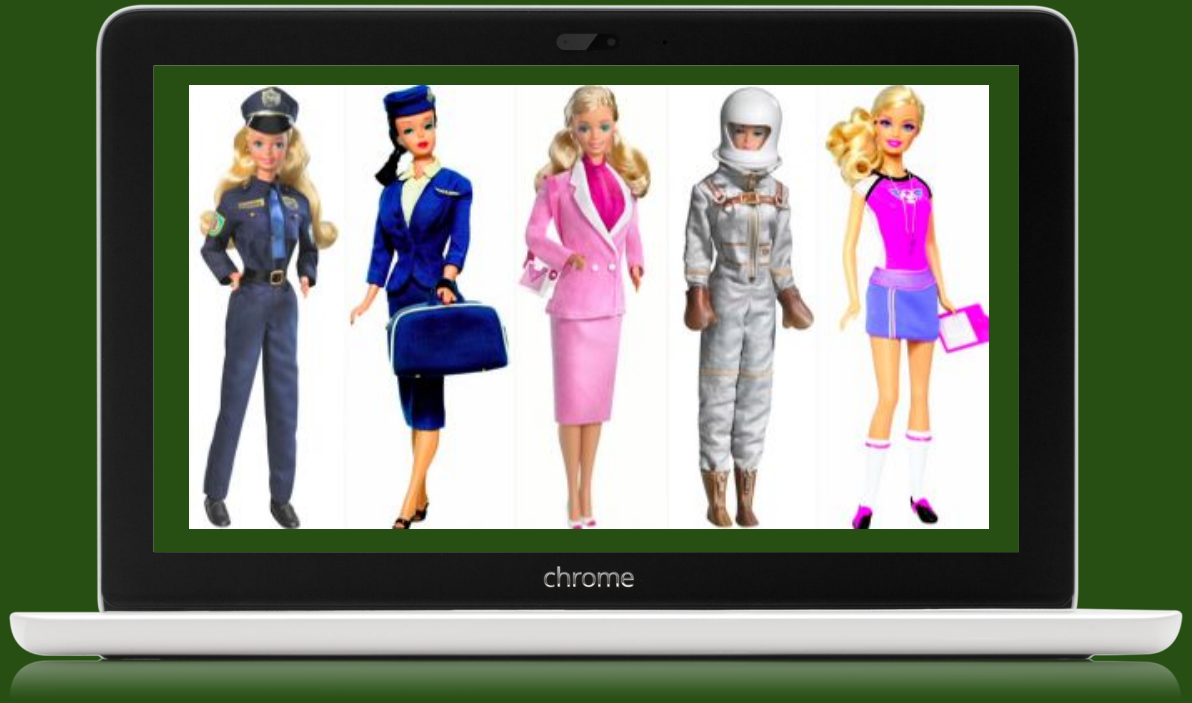
What does a Primary Careers Programme look like?

Not that different to a good secondary careers programme.

A primary careers programme can support and contextualise the primary curriculum and topics

Should not create more work, rather; it' s about awareness and making relevant links incorporated in SOW and Lesson planning

Engages and inspires parents/guardians as well as children. Could this be a way of tackling social mobility?



Not about choosing a career but exploration

Based on...

Think Physics

Delivery of workshops with embedded careers messages/titles, CPD, assemblies, parent postcards, discussion of skills, attributes & pathways. [influenced by ASPIRES 2013]

Gatsby Good Careers Programme

Secondary school pilot taking place in the NE with the Gatsby benchmarks suggested by Sir John Holman.

Little Futures Programme

PhD research working with some of the transition primary schools of the pilot to implement the same benchmarks.

Make Introductions

You only know what you know - expand their understanding and language. E.g Tim Peake the astronaut and the rest of the space team.

Future You

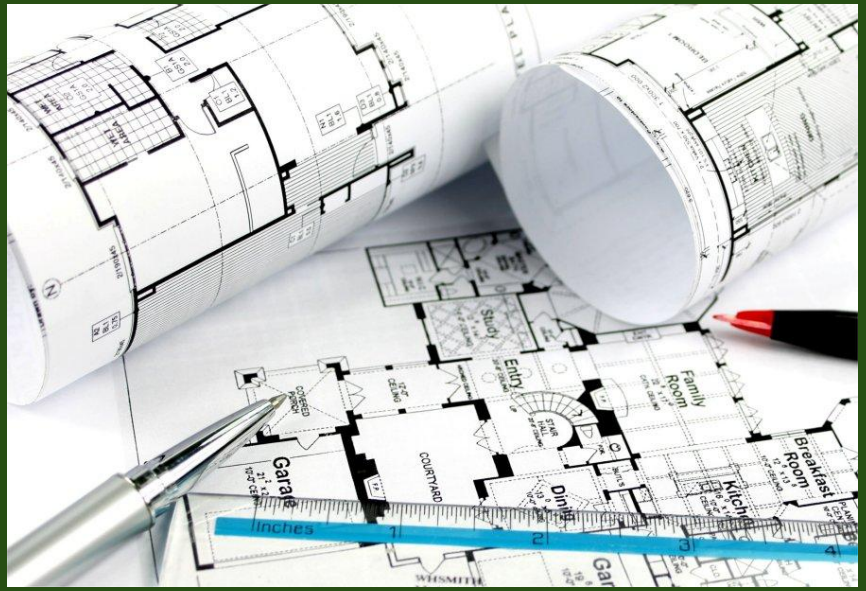
Encourage children to think about the future, how could they impact the future? What qualifications and skills are needed, what type of future person would you need to be?

News - the moon landings

Share great stories, cool tech, new inventions with young children to start lessons. Example: Hololens Minecraft

Encounters - Immersion

Create an adventure to help children believe they could be the explorer, botantist, zoologist, climatologist, or geo-physicist for example.



Role models - Inspire & Aspire

Role models don't just have to be stood in the classroom Maral (Architect and RIBA Ambassador). Role models who are local and not just at the peak of their careers.

~~Positive reinforcement - You can~~ too

Positive messages, knowledge of routes and pathways to great jobs an awareness of unconscious bias, developing attributes needed for success

What next?

Ideas to take away

Examples used today

Sign up to Think Physics Newsletter

Resources

Contact

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Further Reading:
Aspires [2013]

Gatsby [2013]
Good Career Guidance