



**G7 – Behind the Smartphone**

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| <p><b>Introduction</b></p>   | <p>This activity helps students consider the lifecycle of a product and the implications of over consumption for people, peace, planet, prosperity, and partnership. It can be used as a “stand alone” activity or as part of a wider scheme of learning looking at child labour, human rights, and sustainable living.</p> <p>For young entrepreneurs it provides a stimulus to ask questions about resources, supply and demand, values, profit, marketing and “greenwashing” – What is the story behind your mobile phone, electric car or latest gadget?</p> <p><i>Image by OpenClipart-Vectors frompixabay.com</i></p> |  |   |
| <p><b>Learning Objectives:</b></p>   | <ul style="list-style-type: none"> <li>• To understand that materials need to be extracted, manufactured, transported, packaged, marketed and that every stage has an environmental, financial and human cost</li> <li>• To introduce the idea of the circular economy and the importance of refuse, reduce, reuse, and recycle in business practices and human behaviour</li> </ul>  |  |   |
| <p><b>EntreComp Area</b></p>   | <p>Ideas &amp; Opportunities</p>  | <p>Resources</p>   | <p>Into Action</p>  |
| <p><b>EntreComp Competence:</b></p> <p><i>(Delete if not applicable)</i></p> | <p>Valuing Ideas<br/>Ethical &amp; sustainable thinking</p>   | <p>Self-Awareness and self-efficacy<br/>Mobilizing resources<br/>Financial &amp; economic literacy<br/>Mobilizing others</p> | <p>Taking the initiative<br/>Planning and management<br/>Coping with uncertainty, ambiguity, and risk<br/>Working with others<br/>Learning through experience</p> |
| <p><b>Vocabulary</b></p>   | <p>Environmental protection, raw materials, value, waste, working conditions</p>  |  |   |
| <p><b>Resources required</b></p>   | <p><a href="#">The global supply chain of a mobile phone   Ethical Consumer</a><br/>Poster of minerals in Smartphones<br/><a href="https://www.geolsoc.org.uk/~media/shared/documents/education%20and%20careers/Resources/Posters/Minerals%20in%20a%20smartphone%20poster.pdf?la=en">https://www.geolsoc.org.uk/~media/shared/documents/education%20and%20careers/Resources/Posters/Minerals%20in%20a%20smartphone%20poster.pdf?la=en</a><br/>What’s in your Smartphone? – Kim Petroff video clip<br/><a href="https://www.youtube.com/watch?v=eldJ22AfsO8">https://www.youtube.com/watch?v=eldJ22AfsO8</a></p>             |  |   |



## Teaching and Learning Activity



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|-------------------------|---|
| <b>Curriculum Links</b> | Design and Technology, Science, Geography, Social Studies   |
| <b>Teacher Notes</b>    | <p>Research materials/organisations able to support your campaign in your home country/community.</p> <p>Look for educational projects or campaigns you can join in with locally. This can provide a wealth of resources or informed visitors to make the learning real and meaningful.</p> <p>Are their local social enterprises or entrepreneurs who are seeking to work sustainably and minimise their impact on the environment? What can be learned from them?</p> <p>How are electrical goods/other waste recycled or reused in your neighbourhood?</p> |

### Mobile Phone Campaign Bavaria

Information, education about resources, recycling provided by [Mobile phone campaign Bavaria](#) > [Mission One World \(mission-einewelt.de\)](#) as used by Dr Jauffman Mittleschule to enhance the global citizenship education curriculum.

Mobile phones are an integral part of everyday life. In Germany alone, more than 35 million new mobile phones are purchased every year. Each device is only used for approximately 18 months and then replaced by a new one. Mobile phones alone cause at least 5,000 tons of electronic waste annually. Disused mobile phones often disappear in the drawer and remain there. But the small "treasure chests" contain valuable raw materials such as gold or copper. They are too valuable to be left unused, also because the extraction of raw materials causes massive problems.

#### The HandyAktion Campaign

Collect used mobile phones at school, community shops and spaces

Support educational projects in Liberia, El Salvador, and Bavaria

Organize workshops, actions, educational units on the subject of "raw materials - working conditions - opportunities for action"

Make demands on politicians for a globally fair raw materials policy!

#### 1. Information and education two workshops led by specialists.

- Where do the raw materials come from that are needed for electronic devices? What are the consequences of raw material extraction for people and the environment?
- Under what conditions are mobile phones manufactured?
- How are cell phones disposed of?
- What are the options for continued use, repair, recycling?
- Are there fair and environmentally friendly mobile phones?
- What options do we have, the companies, the politicians?



## Teaching and Learning Activity



2. **We organize an exhibition** -invite school / wider school family...
3. **We get active.**
  - Find out about the problematic sides of the mobile phone!
  - Make human rights and environmental degradation a topic - with information stands, at group evenings, in schools, in communities or in partnership work!
  - Organize a lecture or a film evening with films informing attendees about Sustainable Development Goals
  - Find out how you can continue to use an old phone!
  - Participate in the phone collection campaign and support educational projects!
  - Question your own consumer behaviour!
  - Demand from politicians that raw materials be fair and more transparency in the value chain!
  - Stand up for fair working conditions and environmental protection!
4. **Start a mobile phone collection campaign.**

Collected phones are sent to a central collection point,

  - a) resold
  - b) recycled

The proceeds go to charity.