Plant Power Bingo

Produced by Rose Elgar from the Cambridgeshire Multicultural Education Service. She has produced a series of bingo and dominoes activities for consolidating the spelling and meanings of scientific vocabulary for older students.

We welcome more contributions in this area since it supports the KS3 literacy strategy

The webaddress for this activity is
‹http://www.collaborativelearning.org/plantpower.pdf›

COLLABORATIVE LEARNING PROJECT
Project Director: Stuart Scott
Supporting a cooperative network of teaching professionals throughout the European Union to develop and disseminate accessible teaching materials in all subject areas and for all ages.

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BRIEF SUMMARY OF BASIC PRINCIPLES BEHIND OUR TEACHING ACTIVITIES:
The project is a teacher network, and a non-profit making educational trust. Our main aim is to develop and disseminate classroom tested examples of effective group strategies across all phases and subjects. We hope they will inspire you to use similar strategies in other topics and curriculum areas. We run teacher workshops, swapshops and conferences throughout the European Union. The project publishes a catalogue of activities plus lists in selected subject areas, and a newsletter available by post or internet: “PAPERCLIP’.

*These activities were influenced by current thinking about the role of language in learning. They are designed to help children learn through talk and active learning in small groups. They work best in mixed classes where children in need of language or learning support are integrated. They are well suited for the development of speaking and listening . They provide teachers opportunities for assessment of speaking and listening and other formative assessment.

*They support differentiation by placing a high value on what children can offer to each other on a particular topic, and also give children the chance to respect each other’s views and formulate shared opinions which they can disseminate to peers. By helping them to take ideas and abstract concepts, discuss, paraphrase and move them about physically, they help to develop thinking skills.

*They give children the opportunity to participate in their own words and language in their own time without pressure. Many activities can be tried out in mother tongue and afterwards in English. A growing number of activities are available in more than one language, not translated, but mixed, so that you may need more than one language to complete the activity.

*They encourage study skills in context, and should therefore be used with a range of appropriate information books which are preferably within reach in the classroom.

*They are generally adaptable over a wide age range because children can bring their own knowledge to an activity and refer to books at an appropriate level. The activities work like catalysts.

*All project activities were planned and developed by teachers working together, and the main reason they are disseminated is to encourage teachers to work effectively with each other inside and outside the classroom. They have made it possible for mainstream and language and learning support teachers to share an equal role in curriculum delivery. They should be adapted to local conditions. In order to help us keep pace with curriculum changes, please send any new or revised activities back to the project, so that we can add them to our lists of materials.

Plant Power Bingo

These Bingo cards can be used in a variety of ways. Here are two ways:

1. Each pair of students has a card. The teacher calls out definitions and if the students have the term on their card they can cover it with a counter.

2. For this you need definition cards which we have not had time to produce yet so maybe some students could work on these. A group of four have cards each. They take turns to pick a definition card (face down on the table) and read it out. The students with the term can cover it.

Plant Power Bingo 1

These are best printed on card cut up and laminated for lasting use

microscope	magnification	cells
nucleus	cytoplasm	cell membrane
cell wall	chloroplasts	chlorophyll

vacuole	photosynthesis	stomata
palisade cells	root hairs	veins
pollination	pollen grain	egg cell

fertilisation	photosynthesis	microscope
magnification	root hairs	veins
pollination	cell membrane	egg cell

vacuole	cytoplasm	stomata
nucleus	root hairs	cell wall
pollination	chloroplasts	egg cell

Plant Power Bingo 2

These are best printed on card cut up and laminated for lasting use

vacuole	magnification	photosynthesis
nucleus	stomata	cell membrane
palisade cells	chloroplasts	chlorophyll

microscope	root hairs	cells
veins	cytoplasm	pollination
cell wall	pollen grain	egg cell

fertilisation	magnification	egg cell
nucleus	pollen grain	cell membrane
pollination	chloroplasts	veins

root hairs	palisade cells	egg cell
stomata	pollen grain	photosynthesis
pollination	vacuole	chlorophyll

Plant Power Bingo 3

These are best printed on card cut up and laminated for lasting use

chloroplasts	palisade cells	cell wall
nucleus	cytoplasm	photosynthesis
cell membrane	vacuole	cells

fertilisation	magnification	cells
egg cell	cytoplasm	cell membrane
pollen grain	chloroplasts	chlorophyll

vacuole	fertilisation	stomata
palisade cells	microscope	veins
pollination	magnification	egg cell

fertilisation	photosynthesis	cell wall
magnification	root hairs	nucleus
pollination	cell membrane	microscope

Plant Power Bingo 4

These are best printed on card cut up and laminated for lasting use

photosynthesis	cytoplasm	stomata
chlorophyll	root hairs	cell wall
pollen grain	chloroplasts	egg cell

vacuole	microscope	photosynthesis
nucleus	root hairs	cell membrane
palisade cells	cell wall	chlorophyll

microscope	root hairs	magnification
veins	cytoplasm	pollen grain
cell wall	vacuole	fertilisation

cell wall	magnification	egg cell
nucleus	palisade cells	cell membrane
pollination	chloroplasts	microscope

Plant Power Bingo 5

These are best printed on card cut up and laminated for lasting use

root hairs	palisade cells	egg cell
nucleus	fertilisation	photosynthesis
pollination	vacuole	chloroplasts

chloroplasts	palisade cells	veins
nucleus	microscope	photosynthesis
fertilisation	vacuole	cells