ADVANCING LEARNING

Problem-solving for Future-proofing

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ADVANCING LEARNING

- Over to you
- Identify the importance of problem solving
- Explore problem solving in the classroom
- Q & A

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What can you see in the images?

1

2

3

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What is the connection between these images?

1

2

3

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ADVANCING LEARNING

They all solve real-life problems…

1

2

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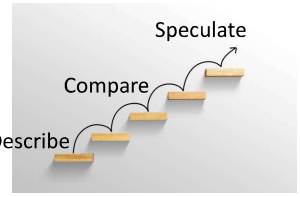
Eh?! Excuse me Anna… but how on earth does this **link** to learning and teaching English?

What **skills** did you use to answer my questions?



- Over to you
- Identify the importance of problem solving
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A teacher has just discovered that the answers he gave to a grammar question in class were incorrect. If he tells the students and corrects himself he will look like a fool, but if he doesn't and someone finds out the truth, he will be in trouble.

PROBLEM

True or False?

1. Everybody needs to solve problems every day. ✓
2. Problem solving is one of the most important life skills ✓
3. We are born with the skills we need to do this. ✗

The earlier learners begin solving problems, the better placed they are to make good decisions on their own. The more ready they are to deal with **bigger challenges** in real-life.

When teenagers learn skills and strategies for problem-solving and **sorting out** conflicts by themselves, they feel good about themselves.

Typically, effective problem-solving skills result in happier, more confident and more **independent individuals**.

https://raisingchildren.net.au/

We identified the problem

A teacher has just discovered that the answers he gave to a grammar question in class, yesterday was incorrect. If he tells the students and corrects himself he will look like a fool, but if he doesn't and someone finds out the truth, he will be in trouble.

What should he say or do about this?

Generate **solutions**

WDYT?
(What do you think?)

A

Stick his head in the sand…

B

Shout it out!!

What makes you say that?

Evaluating possible solutions

The Why chain *(adapted from Sakichi Toyoda)*

Why should his students know the right formation?

Because they need to do well in their exams.

Why do they need to do well in their exams?

Because …..

Why….

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WDYT? (What do you think?)

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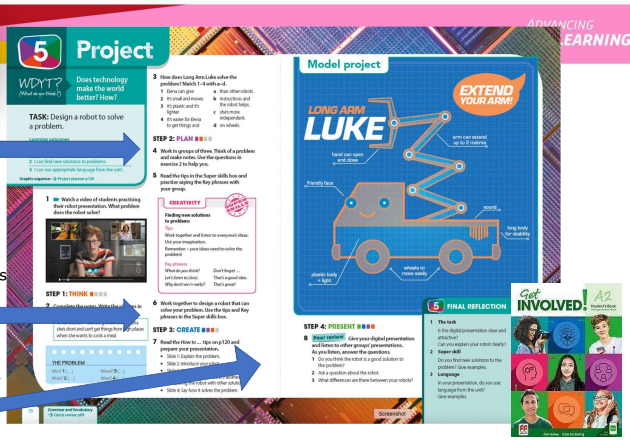
identify the problem

generate solutions choose & create

evaluate groups' solutions



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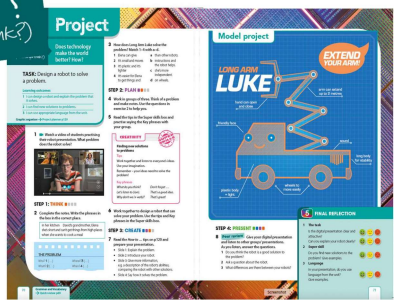
WDYT? (What do you think?)

Which skills do our teens need to work on *problem solving* **together**?



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Active Listening
- not judging
- asking open questions
- asking for clarification
- paraphrasing ideas

COMMUNICATION SUPER SKILLS

Asking for help and giving suggestions

Tips

Ask questions about your ideas.
Say the things you like.
Give alternative ideas.

Key phrases

What do you think of this?
Is this a good idea?
Do you agree?
I like … a lot.
I'm not sure about …
What about … ?

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ADVANCING LEARNING

Applying 'total thinking'
-Critical thinking
-Creative thinking

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ADVANCING LEARNING

Applying 'total thinking'
-Critical thinking
-Creative thinking

CREATIVITY SUPER SKILLS

CRITICAL THINKING SUPER SKILLS

Thinking about things in different ways

Tips

Don't choose your first idea. Write it down, but think about other people too.

Ask: 'Is this true for me?'

Think about why they are important to you (you see them often, you talk about things together, they help you, etc.)

Key phrases

What do you think?
Are other people important?
What about your classmates?
Have you got any cousins/uncles/aunts … ?
Is/Are your … important to you?
Are you sure about that?

's ideas.
the
…
d idea.
!

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- Respecting other opinions and considering options
- Negotiating to work towards a joint solution

COLLABORATION SUPER SKILLS

COMMUNICATION SUPER SKILLS

Asking for help and giving suggestions

Tips

Ask questions about your ideas.
Say the things you like.
Give alternative ideas.

Key phrases

What do you think of this?
Is this a good idea?
Do you agree?
I like … a lot.
I'm not sure about …
What about … ?

WDYT? (What do you think?)

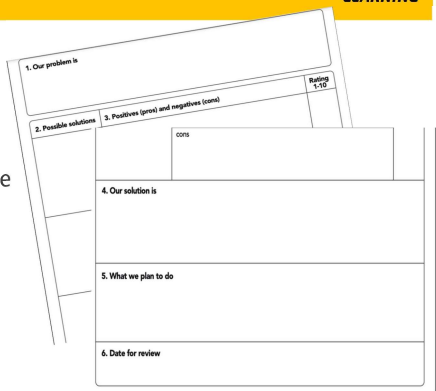
They develop:

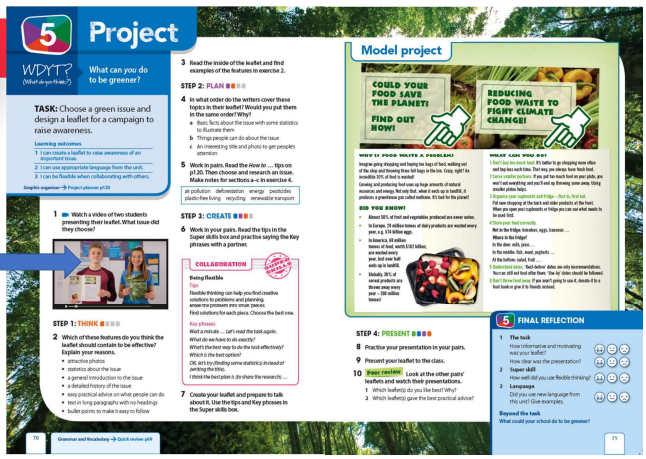
- Language ☺
- Active listening
- Applying 'total thinking'
- Respecting other opinions and considering options
- Negotiating to work towards a joint solution

Highlights Interconnectedness	Allows for self-directed learning
PBL	
Enhances participation and learning	Develops learners more holistically

Enabling *all* learners

- Model the process (video)
- Feed in necessary language
- Ask Qs & give suggestions
- Provide structure
- **Give it enough time!**





Spoon feeding, in the long run teaches us nothing, but the shape of the spoon.

E.M. Forster

Thank you for your time
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